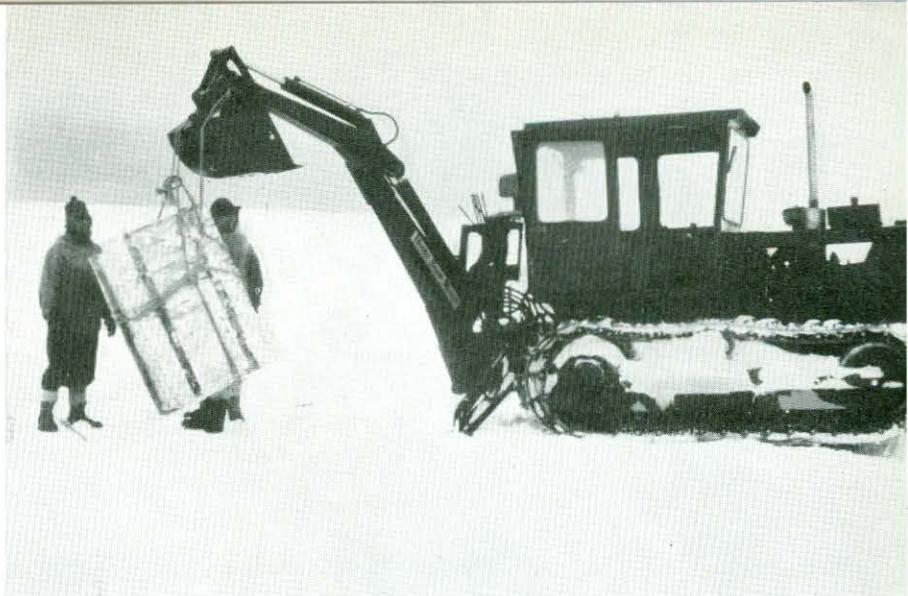


Dié D4 kruiptrekker is 'n waardevolle byvoeging tot die vervoer te SANAE. (Foto—Departement van Vervoer.)



NEW TRANSPORT AT SANAE

“With the expansion of the scientific programmes as well as the increase in members of the expedition, from the original 11 in 1962 to the present 18-man team, extensive improvements in logistic support were necessary.

“This Department considered it necessary to purchase a suitable heavy duty tractor to meet the ever-increasing logistic needs of the team. A D4 Caterpillar was purchased and fitted with special 36 in. wide tracks to give a low ground pressure of approximately 3½ lbs. per sq. in. A special heated cab was also designed and built by a firm of body builders in Johannesburg and this is proving a great success. The necessary modifications on the tractor were done by Caterpillar at their branch in Bellville, Cape, where a Hoptoe crane and power take-off

were fitted. The gross weight of the vehicle is 7½ tons and it is capable of pulling 9 fully-loaded sledges.

“Reports received from SANAE recently claims that the tractor is a great success.

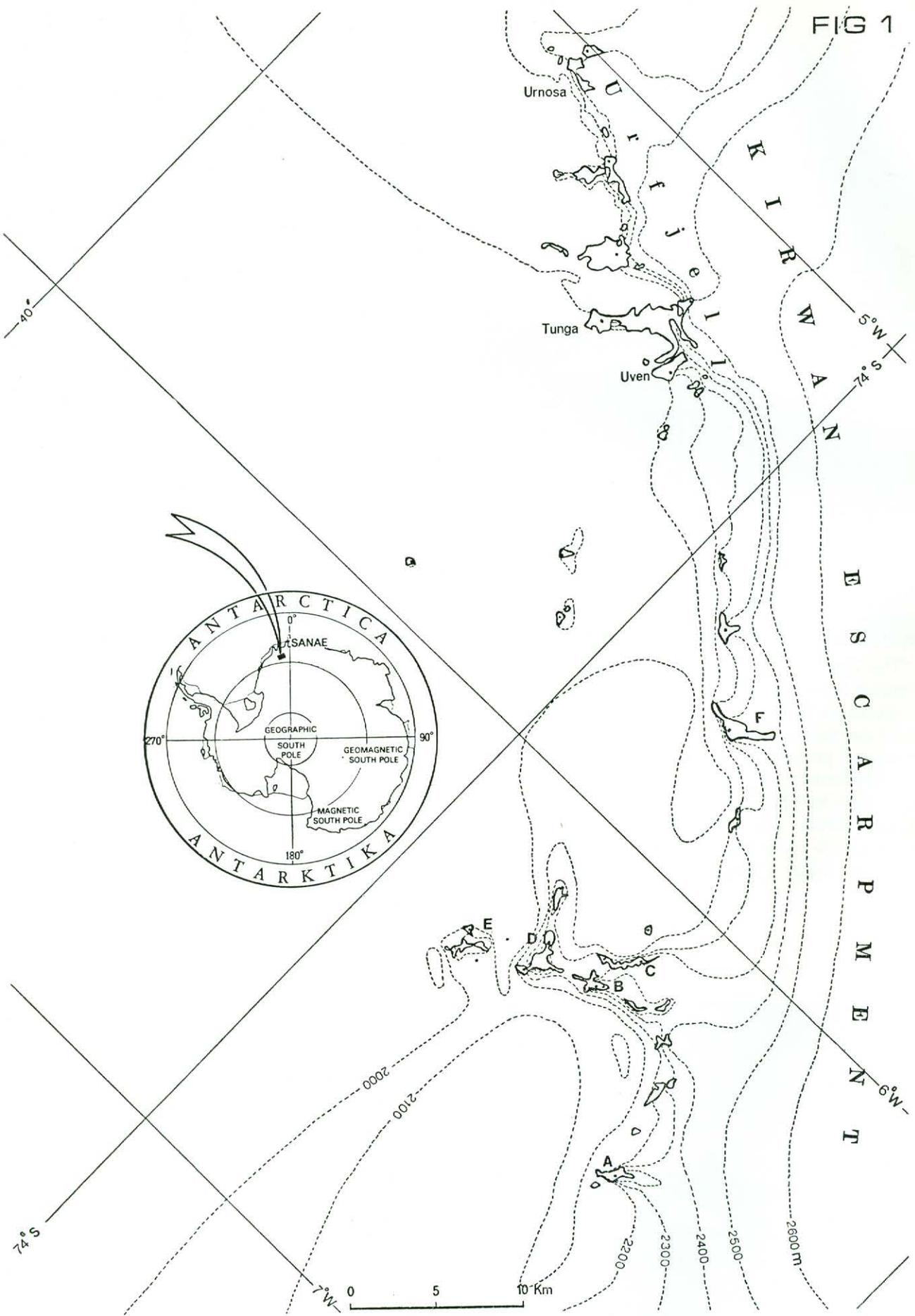
“A further experiment was carried out when a Volkswagen sedan which had been withdrawn from service at the Government Garage, Cape Town was modified to become a special snowmobile vehicle. This vehicle is being used as a general runabout and its success—or otherwise—will only be known after the present winter when it would be possible to establish if there are any shortcomings. The Department feels that the success of the vehicle depends entirely on the co-operation and constructive criticism of all concerned.”

(Article—*Courtesy, Department of Transport.*)



The modifications made to the Volkswagen to enable it to travel on snow and ice are clearly visible in this photograph. (Photo—Department of Transport.)

FIG 1



This map shows the area explored by the four members of SANAE 10 who wintered at Borga Base during 1969 (Map—By courtesy of Geological Survey.)

Chris Muir contacting U.S. Base, Palmer Station, Antarctic Peninsula. Borga Base I, Winter 1969. Radio Equipment RF301 (100W SSB).

(Photo—L. Wolmarans.)



Surveying the last group of unmapped mountains on the Antarctic Continent. The impressive polar escarpment, a wall of ice up to 2,000 feet high rises beyond the mountains of the Urfjell Range 74° 15'S, 6° 30' W. (Photo—W. Hodsdon.)

Arrival at the furthest group of Mountains of the Kirwan Escarpment. For the first time ever the tranquility of these mountains is disturbed by human presence. (Photo—W. Hodsdon.)

