

## **Supplementary Material**

### **William (Bill) Francis Budd 1938–2022**

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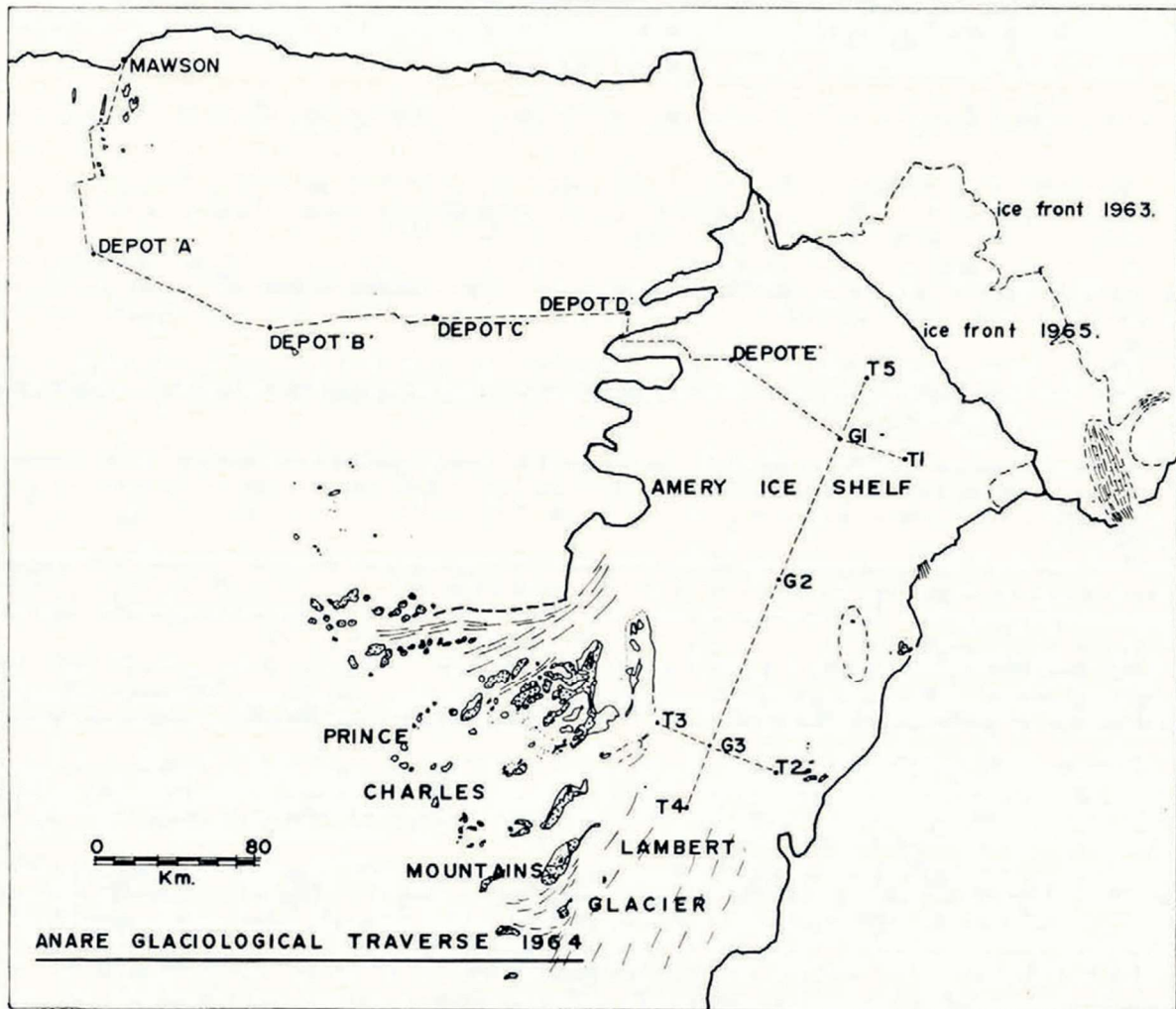
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## Supplementary Material to “William (Bill) Francis Budd 1938-2022”

**Map 1. Amery Ice Shelf Surveys.**

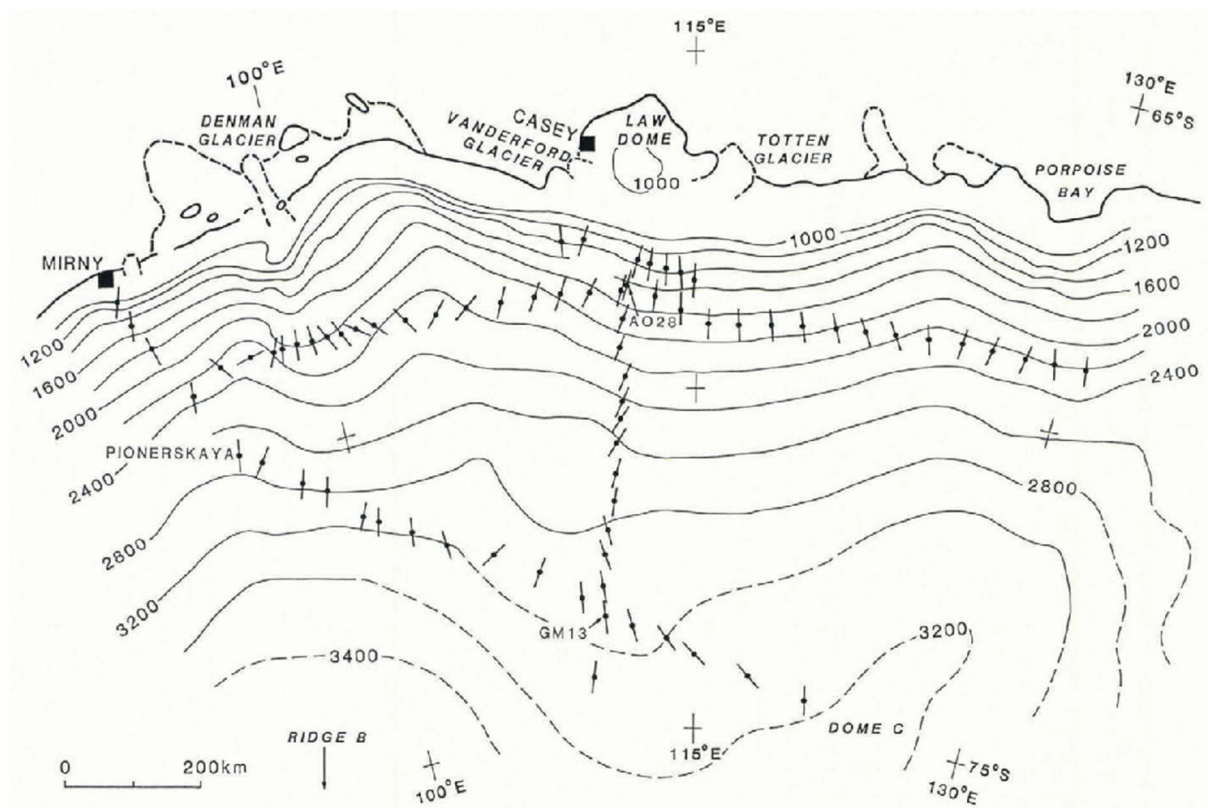
Source: Budd, W. F. (1966) The dynamics of the Amery Ice Shelf, *Journal of Glaciology* 6(45), 335-58.



The route from Mawson to Depot E on the Amery Ice Shelf and the survey line 200 km south from G1 were established by the 1962 party. The 1963 party completed the 370 km central line from G1 to T4 and laid out the 70 km transverse-line in the south and the 100 km transverse-line in the north. The 1964 party, including Bill Budd, resurveyed the whole route to determine surface elevation and snow accumulation, and measured the ice velocity, from repeat astronomical fixes at Depot E, G1, G2 and G3. Horizontal strain rates were also determined by remeasurement of grids of canes at G1, G2 and G3. They also extended the centre line north to T5. In 1968 and during the 1969/70 summer, a more comprehensive survey of ice movement was made at 88 sites along these lines using electronic distance measuring equipment. On this map, the transition from the Lambert Glacier to the Amery Ice Shelf (the grounding zone) is shown about 250 km north of where it was later found to be from satellite data.

**Map 2. Australian Surveys in Wilkes Land for the IAGP.**

Source: Young, N.W., Goodwin, I.D., Hazelton, N.W.J. and Thwaites, R.J., 1989. Measured velocities and ice flow in Wilkes Land, Antarctica, *Annals of Glaciology*, **12**, 192-197.



Dots show the locations of surface ice movement measurements made using the Transit doppler navigation system. These were made along a flowline south from Casey (1971-1979); approximately along the 2000 m surface elevation contour to the east (1980-1982) and west (1983-1986) of that flowline; and in collaboration with the Soviet Antarctic Expedition traverses between Mirny and Dome C (1976-1984). Measurements of surface snow accumulation and radar ice thickness measurements were also made along these routes.

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