

FURTHER PAPERS RELATIVE TO THE

HONOLULU TO CAPE PALLISER.

Honolulu ... Lat. $21^{\circ} 18' N.$, Long. $157^{\circ} 55' W.$
 Cape Palliser, Lat. $41^{\circ} 37' S.$, Long. $175^{\circ} 17' E.$
 Lat. $21^{\circ} 18' = 111^{\circ} 18' =$ Co. Lat., and Lat. $41^{\circ} 37' = 48^{\circ} 23' =$ Co. Lat.
 Long. $175^{\circ} 17'$ to Long. $157^{\circ} 55' = \frac{1}{2}$ diff. Long. $13^{\circ} 24'.$
 $\frac{1}{2}$ diff. Long. $13^{\circ} 24' =$ Sine 9.3650158

				18.7300316	
Co. Lat. Sine	...	...		9.9692720	
Co. Lat. Sine	...	...		9.8736722	
				38.5729758	
				19.2864874	...
$\frac{1}{2}$ diff. Co. Lat. Sine	...	...		9.7166387	19.2864874
$8^{\circ} 22' 31''$ Tang.	...	...		9.5698487	Sine 9.5417883
				33.44' 47"	Sine 9.7446991
Distance 4,049 $\frac{1}{2}$ miles	=			67.29' 34"	

CAPE FAREWELL TO WILSON'S PROMONTORY.

Cape Farewell ... Lat. $40^{\circ} 30' S.$, Long. $172^{\circ} 42' E.$
 Wilson's Promontory, Lat. $39^{\circ} 8' S.$, Long. $146^{\circ} 23' E.$
 Lat. $40^{\circ} 30' = 49^{\circ} 30'$ Co. Lat. and Lat. $39^{\circ} 8' = 50^{\circ} 52'$ Co. Lat.
 Long. $172^{\circ} 42'$ to Long. $146^{\circ} 53' = \frac{1}{2}$ diff. Long. $13^{\circ} 9' 30''$
 $\frac{1}{2}$ diff. Long. $13^{\circ} 9' 30'' =$ Sine 9.3572539

				18.7145078	
Co. Lat. Sine	...	...		9.8810455	
Co. Lat. Sine	...	...		9.8896822	
				38.4852355	
				19.2426177	...
$\frac{1}{2}$ diff. Co. Lat. Sine	...	...		8.0764997	19.2426177
$86^{\circ} 5' 51''$ Tang.	...	...		11.1661180	Sine 9.9989918
				10.5' 33"	Sine 9.2436259
Distance, 1,211 miles	=			20.11' 6"	

CAPE REINGA TO WILSON'S PROMONTORY.

Cape Reinga ... Lat. $34^{\circ} 26' S.$, Long. $172^{\circ} 41' E.$
 Wilson's Promontory, Lat. $39^{\circ} 8' S.$, Long. $146^{\circ} 23' E.$
 Lat. $34^{\circ} 26' = 55^{\circ} 34'$ Co. Lat., and Lat. $39^{\circ} 8' = 50^{\circ} 52'$ Co. Lat.
 Long. $172^{\circ} 41' E.$ to Long. $146^{\circ} 23' = \frac{1}{2}$ diff. Long. $13^{\circ} 9'.$
 $\frac{1}{2}$ diff. Long. $13^{\circ} 9' =$ Sine 9.3569836

				18.7139672	
Co. Lat. Sine	...	...		9.9163406	
Co. Lat. Sine	...	...		9.8896822	
				38.5199900	
				19.2599950	...
$\frac{1}{2}$ diff. Co. Lat. Sine	...	...		8.6128235	19.2599950
$77^{\circ} 18' 5''$ Tang.	...	...		10.6471715	Sine 9.9892450
				10.45'	Sine 9.2707500
Distance, 1,290 miles	=			21.30'	

MANUKAU TO WILSON'S PROMONTORY.

Manukau ... Lat. $37^{\circ} 3' S.$, Long. $174^{\circ} 32' E.$
 Wilson's Promontory, Lat. $39^{\circ} 8' S.$, Long. $146^{\circ} 23' E.$
 Lat. $37^{\circ} 3' = 52^{\circ} 57'$ Co. Lat., and Lat. $39^{\circ} 8' = 50^{\circ} 52'$ Co. Lat.
 Long. $174^{\circ} 32'$ to Long. $146^{\circ} 23' = \frac{1}{2}$ diff. Long. $14^{\circ} 4' 30''.$
 $\frac{1}{2}$ diff. Long. $14^{\circ} 4' 30'' =$ Sine 9.3859489

18.7718978