

REPORT OF THE SELECT COMMITTEE

Lat. 41° 37' = Co. Lat. 48° 23' and Lat. 17° 29' = Co. Lat. 72° 31'.			
Long. 175° 17' E. to Long. 149° 29' W. = $\frac{1}{2}$ diff. Long. 17° 37'.			
$\frac{1}{2}$ diff. Long. Sin.	...	9·4809366	
Sin. ²	...	18·6618732	
Co. Lat. Sin.	...	9·9794593	
Co. Lat. Sin.	...	9·8736722	
		2)38·8150047	
		19·4075023	... 19·4075023
$\frac{1}{2}$ diff. Co. Lat. Sin.	...	9·3202495	
50° 43' 2" Tang.	...	10·0872528	... Sin. 9·8887581
		19° 16' 46"	... 9·5187442
Distance, 2,313·5 miles	=	38° 33' 32"	

GREAT CIRCLE OF COURSE.—CAPE PALLISER TO TAHITI.

(See Diagram No. 7.)			
38° 33'...	...	0·2053744	... 0·2053744
35° 14'...	...	9·7611063	... 9·7611063
72° 31'...	...	9·9994593	... 48° 23' ... 9·8736722
W. 62° E.	...	9·9459400	S. 43° 48' W. ... 9·8401529
Course from			Course from
Palliser to Tahiti.			Tahiti to Palliser.

ON GREAT CIRCLE FOR DISTANCE.—AUCKLAND TO TAHITI.

Tahiti ... Lat. 17° 29' S., Long. 149° 29' W.			
Auckland, Lat. 36° 50' S., Long. 174° 47' E.			
Lat. 17° 29' = Co. Lat. 72° 31' and Lat. 36° 50' = Co. Lat. 53° 10'.			
Long. 174° 49' to Long. 149° 29' = $\frac{1}{2}$ diff. Long. 17° 51'.			
$\frac{1}{2}$ diff. Long. Sin.	...	9·4864674	
Sin. ²	...	18·9729348	
Co. Lat. Sin.	...	9·9794593	
Co. Lat. Sin.	...	9·9032977	
		2)38·8556918	
		19·4278459	... 19·4278459
$\frac{1}{2}$ diff. of Co. Lat. Sin.	...	9·2254625	
		10·2023834	... Sin. 9·9279063
		18° 25' 56"	... 9·4999396
Distance, 2,212 miles	=	36° 51' 52"	

GREAT CIRCLE FOR COURSE.—AUCKLAND TO TAHITI.

(See Diagram No. 8.)			
36° 52' ...	...	0·2218814	... 0·2218814
35° 42' ...	...	9·7660715	... 9·7660715
72° 31' ...	...	9·9794593	... 53° 10' ... 9·9032977
N. 68° 5' E.	...	9·9074122	S. 51° 7' W. = 9·8912506
Course from			Course from
Auckland to Tahiti.			Tahiti to Auckland.

ON GREAT CIRCLE FOR DISTANCE.—TAHITI TO SAN FRANCISCO.

Tahiti	...	Lat. 17° 29' S., Long. 149° 29' W.
San Francisco,	Lat. 37° 48' N., Long. 122° 24' W.	