

Memorandum

R. A. TERRY
LICENSED SURVEYOR

PHONES: OFFICE B 3765
HOUSE B 4569

~~146 COLLINS STREET~~

D: Leber

The Lands Dept. used Air Photo to pinpoint the pipe I was able to get a reasonably accurate distance from Wood's Quoin - thus a closer computation of Trig. results than I had done as a previous check.

Lat 14/3
1961

R. A. TERRY

SURVEYOR

AUTHORISED UNDER R.P. ACT

86 Murray Street

14th March

195 61

Dr. Grote Reber,
C. S. I. R. O. Offices,
Stowell Avenue,
Hobart.

Dear Sir,

Prints (24) of the Surveys completed at Bothwell
herewith.

1. Observations for Azimuth were taken from a sunken pipe on Dennistoun Estate to cairn at Wood's Quoin Trigonometrical Station, and method used was by a daylight star (Alpha Centauri in the west on 15th January). A preliminary azimuth (to locate the calculated position of Alpha Centauri in daylight) was obtained from the calculated chronometer time of meridian passages of the Sun's edges. A later check was made by observations from an eccentric station near Wood's Quoin Trigonometrical Station to the buried pipe at an approximately known distance on Dennistoun. The stellar observations were fully completed, and were accepted and used on this work. The results of the observation, and approximate checks are hereunder :-

By Sun's passage	-	47°	56'	28"	(approximate only)
By Alpha Centauri	-	47°	55'	44"	
By Trig. observations-		47°	55'	46"	

2. Distances were measured with a continuous, steel tape, especially made and graduated for this work.

Levels were taken by the usual method, i.e. level and staff, and the datum was assumed as zero at the centre.

Degrees of accuracy

Azimuth,	+	01 second
Distances,	1	in 50,000
Levels,	1	in 200,000

Yours faithfully,

R. A. Terry

Forwarded 22/3/61

lay

True East/West line runs thru:

Nail in top of peg marked with three pipes
to southwest! This
is center of survey by R.A. Terry.

and --

End of arrow atop concrete gate post just
north of high cattle ramp at fork in road.