

south to the  $\frac{1}{4}$  S. Post between  
 an old hub tack on  
 Secs. 16+17. using the ground  
 range of well defined fences  
 to determine the bearing of  
 the section line.

The line adopted gives a  
 Mag. Var. of  $16^{\circ} 31' E$ .

Note, In running South I  
 run on 10' offset to east on  
 account of brush etc)

2651.5 to point due east of  $\frac{1}{4}$  S point  
 and 1652 east of same.

Continuation Aug 11. a.m.

To determine true course of line  
 joining N.E. cor. Sec 17. and  $\frac{1}{4}$  S. between  
 Secs 16+17. (I since learn that the  
 $\frac{1}{4}$  S. post bet. 16+17 has been correctly  
 reset by Mach. judging from references  
 in his possession.) I use only  
 the course northward as there are too  
 many obstructions to the view to run  
 the course southward for angles  
 calculation on opp. page.

Setting therefore on  $\frac{1}{4}$  S. bet 16+17  
 and T. D. on tack point on Random  
 line I turn  $49^{\circ} 30'$  to R. + East  
 thus obtaining true pointing for  
 the Sec. line.

(over)

From course running north!

$$\begin{aligned} 27 \ 38.2 &= 1582063 \\ \text{By } 2651.5 &= 3.423492 \\ \text{Sin } 49^{\circ} 32' &= \frac{8.158571}{4.685560} \\ 2972.2 &= 3.473011 \end{aligned}$$

From course running South: -

$$\begin{aligned} 27 \ 6.52 &= 0.814241 \\ \text{By } 2651.5 &= 3.423492 \\ \text{Sin } 8^{\circ} 27\frac{1}{2}' &= \frac{7.390756}{4.685560} \\ 507.2 &= 2.705176 \end{aligned}$$

