

Put it in Writing!

Paula - 11-17-58

Dear Dr. Reber: -

Thanks for the letter, but
sorry I overlooked putting in
these cards -

Your new observational sounds
gets thrilling. ^{↳ Termite Drilling} Hope you
have a lot of success with it.

I, too, am sorry that we
are not to have further
opportunity to compare the
Bowgraph records -

Sincerely

P. J. Mean.

September - 1958 - Kole Kole

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Hr	B-read	i	di	P ₁	Q ₁	P ₂	Q ₂
01	648.3	0	+7.7	+7.70	0.00	+7.70	0.00
02	638.3	1	-2.3	-2.22	-0.60	-1.99	1.15
03	630.2	2	-10.4	-9.01	-5.20	-5.20	-9.01
04	629.5	3	-15.1	-10.68	-10.68	0.00	-15.10
05	624.8	4	-15.8	-7.90	-13.69	+7.90	-13.69
06	626.7	5	-13.9	-3.60	-13.43	+12.04	-6.95
07	633.4	6	-7.2	0.00	-7.20	+7.20	0.00
08	642.8	7	+2.2	-0.57	+2.13	-1.90	-1.10
09	650.9	8	+10.3	-5.15	+8.82	-5.15	-8.82
10	657.4	9	+16.8	-11.88	+11.88	0.00	-16.80
11	659.3	10	+18.7	-16.20	+9.35	+9.35	-16.20
12	654.3	11	+13.7	-13.24	+3.55	+11.86	-6.85
13	649.3	12	+8.7	-8.70	0.00	+8.70	0.00
14	639.5	13	-1.1	+1.06	+0.28	-0.95	-0.55
15	630.7	14	-9.9	+8.57	+4.95	-4.95	-8.57
16	625.9	15	-14.7	+10.39	+10.39	0.00	-14.70
17	624.8	16	-15.8	+7.90	+13.69	+7.90	-13.69
18	625.0	17	-15.6	+4.04	+15.08	+13.51	-7.80
19	630.2	18	-10.4	0.00	+10.40	+10.40	0.00
20	640.3	19	-0.3	-0.08	+0.29	+0.26	+0.15
21	650.0	20	+9.4	+4.70	-8.24	-4.70	-8.24
22	655.9	21	+15.3	+10.82	-10.82	0.00	-15.30
23	657.3	22	+16.7	+14.47	-8.35	+8.35	-14.47
24	653.6	23	+13.0	+12.57	-3.37	+11.26	-6.50
		Sum+	132.5	82.22	90.81	116.43	0.15
		Sum-	132.6	89.23	81.58	24.84	185.49
		Not	-0.1	-7.01	+9.23	+91.59	-185.34
		Not/12	-0.008	-0.584	+0.769	+7.632	-15.445
				P ₁	Q ₁	P ₂	Q ₂
				A ₁ = 322° 47.2'		A ₂ = 153° 51'	
				322.8°		153.8°	
				a ₁ = 0.966		a ₂ = 17.317	
				Time 9.48 Hr.		Time - 10.87 Hr.	

N

MIN

Sept. 1958. K. K.

(1) Hr.	(2) B-read	(3) L	(4) dL	(5) P3	(6) Q3	(7) P4	(8) Q4
01		0	+7.7	+7.70	0.00	+7.70	0.00
02		1	-2.3	-1.63	-1.63	-1.15	-1.91
03		2	-10.4	0.00	-10.40	+5.20	-9.01
04		3	-15.1	+10.69	-10.69	+15.10	0.00
05		4	-15.8	+15.80	0.00	+7.90	+13.69
06		5	-13.9	+9.83	+9.83	-6.95	+12.04
07		6	-7.2	0.00	+7.20	-7.20	0.00
08		7	+2.2	+1.56	-1.56	+1.10	+1.90
09		8	+10.3	+10.30	0.00	-5.15	+8.92
10		9	+16.8	+11.89	+11.89	-16.80	0.00
11		10	+18.7	0.00	+18.70	-9.35	-16.19
12		11	+13.7	-9.69	+9.69	+6.85	-11.87
13		12	+8.7	-8.70	0.00	+8.70	0.00
14		13	-1.1	+0.78	+0.78	-0.55	-0.95
15		14	-9.9	0.00	+9.90	+4.95	-8.57
16		15	-14.7	-10.40	+10.40	+14.70	0.00
17		16	-15.8	-15.80	0.00	+7.90	+13.69
18		17	-15.6	-11.04	-11.04	-7.80	+13.51
19		18	-10.4	0.00	-11.40	-10.40	0.00
20		19	-0.3	+0.21	-0.21	-0.15	-0.26
21		20	+9.4	-9.40	0.00	-4.70	+8.20
22		21	+15.3	-10.83	-10.83	-15.30	0.00
23		22	+16.7	0.00	-16.70	-8.35	-14.46
24		23	+13.0	+9.19	-9.19	+6.50	-11.26
		Sum+		77.95	78.39	86.60	71.95
Sum	15374.4	Sum -		77.49	82.65	93.85	74.48
Ave	640.6	Not		+0.46	-4.26	-7.25	-2.53
		Not		+0.0383	-0.355	-0.604	-0.211
		1/12		P3	Q3	P4	Q4

N

MN

$A_3 = 173^\circ 50.5'$
 173.8°

$A_4 = 250^\circ 44.6'$
 250.7°

$a_3 = 0.365$

$a_4 = 0.640$

Time 7.1 Hr

Time - 4.32 Hr.

Sept. 1958 KK.

$$\frac{P_1}{Q_1} = \frac{-0.584}{+0.769} = \tan A_1 \quad \text{Quad IV}$$

$$\frac{P_2}{Q_2} = \frac{+7.632}{-15.445} = \tan A_2 \quad \text{Quad. II}$$

$$\log 0.584 = 19.76641 - 20$$

$$\log 7.632 = 0.88264$$

$$\log 0.769 = \underline{9.88593 - 10}$$

$$\log 15.445 = \underline{1.19159}$$

$$\log \tan A_1 = 9.88048 - 10$$

$$\log \tan A_2 = 9.69105 - 10$$

$$A_1 = 37^\circ 12.8'$$

$$A_2 = 26^\circ 9'$$

$$A_1 = 322^\circ 47.2'$$

$$A_2 = 153^\circ 51'$$

$$\text{Time} = 8.48 + 1 = 9.48 \text{ Hrs.}$$

$$\text{Time} = 9.87 + 1 = 10.87 \text{ Hrs.}$$

$$\log 0.584 = 19.76641 - 20$$

$$\log 7.632 = 10.88264 - 10$$

$$\log \sin A_1 = 9.78109 - 10$$

$$\log \sin A_2 = \underline{9.64417 - 10}$$

$$\log a_1 = 9.98482 - 10$$

$$\log a_2 = 1.23847$$

$$a_1 = 0.9656$$

$$a_2 = 17.317$$

$$\frac{P_3}{Q_3} = \frac{+0.0383}{-0.355} = \tan A_3 \quad \text{Quad II}$$

$$\frac{P_4}{Q_4} = \frac{-0.604}{-0.211} = \tan A_4 \quad \text{Quad III}$$

$$\log 0.0383 = 18.58320 - 20$$

$$\log 0.604 = 19.78104 - 20$$

$$\log 0.355 = \underline{9.55023 - 10}$$

$$\log 0.211 = \underline{9.32428 - 10}$$

$$\log \tan A_3 = 9.03297 - 10$$

$$\log \tan A_4 = 10.45676 - 10$$

$$A_3 = 6^\circ 9.5'$$

$$A_4 = 70^\circ 44.6'$$

$$A_3 = 173^\circ 50.5'$$

$$A_4 = 250^\circ 44.6'$$

$$\text{Time} = 6.14 + 1 = 7.14 \text{ Hrs.}$$

$$\text{Time} = 3.32 + 1 = 4.32 \text{ Hrs.}$$

~~Time~~

$$\log 0.0383 = 18.58320 - 20$$

$$\log 0.604 = 19.78104 - 20$$

$$\log \sin A_3 = \underline{9.03047 - 10}$$

$$\log \sin A_4 = \underline{9.97499 - 10}$$

$$\log a_3 = 9.55273 - 10$$

$$\log a_4 = 9.80605 - 10$$

$$a_3 = 0.3654$$

$$a_4 = 0.6398$$

Sept 1958 K K Time Comp.

Time T_1 -

$$A_1 = 322^\circ 47.2'$$
$$= 322.8^\circ$$

$$\frac{450 - 322.8}{15} = \frac{127.2}{15} = 8.48 \text{ Hr.}$$

Since 01 Hr = 0.

$$T_1 = 8.48 + 1.0 = 9.48 \text{ Hr.}$$

Time T_2

$$A_2 = 153^\circ 51'$$
$$= 153.8^\circ$$

$$\frac{450 - 153.8}{30} = \frac{296.2}{30} = 9.87 \text{ Hr.}$$

$$T_2 = 9.87 + 1.0 = 10.87 \text{ Hr.}$$

Time T_3 .

$$A_3 = 173^\circ 50.5'$$
$$= 173.8^\circ$$

$$\frac{450 - 173.8}{45} = \frac{276.2}{45} = 6.14 \text{ Hr.}$$

$$6.14 + 1.0 = 7.14 \text{ Hr.}$$

Time T_4

$$A_4 = 250^\circ 44.6'$$
$$= 250.7^\circ$$

$$\frac{450 - 250.7}{60} = \frac{199.3}{60} = 3.32 \text{ Hr}$$

$$3.32 + 1.0 = 4.32 \text{ Hr.}$$

Sept- 1958 - Kde Kule

