Unyanyembe Journal, 28 January 1866 - 5 March 1872

David Livingstone

[405
]

April
1867

Level of the Lake Lemba by boiling point
& Barometer over 2800 feet & under 2900
feet but the amount varies - the Barometers
make it over 3000 feet

2$^{\text{d}}$ May

Level of Lake Barometer shews 6 AM 26.96 = 74 ˚
= 2859 feet
At 9 AM 27.05=78 ˚
= 2700 feet
At 3 PM 27.0 = [...]
Top of overhanging ridge at 9 AM 25.22 =
Temp. of Lake at 7 AM 77 ˚
at 3 PM 85

Chitimba's village or Rivulet Chiloa
22 May 1867 Lat 8 ˚ 58'
By Boiling Point Long 31 ˚ 30' E
204 ˚ - air 70 ˚ Feet 4610 -
Aneroids 25.08. Feet 4712 9 AM -
102 x

Ford of Lofu - Chungu's village 8 ˚ 55 Lat
Aneroids 26.00 air 81 ˚ 3 PM - 2 Sept$^{\text{r}}$
Feet 4137.

Hara, 8 Sept. 1867 Lat 8 ˚ 55 S. Long 29 ˚ 27' E.
9 AM air 70 ˚ = 26.30 = Feet 3730.

R. Chisera 28$^{\text{th}}$ Sept. 9 A.M.

Aneroids 26.44 = air 77 °

Feet 3398

Lopere - Kamosenga Rt. Kamungu's vil
5$\underline{\text{th}}$ Oct. Boiling Pt 206 ° air 75 ft 3449
Bar same time 26.26 = 3828
379x
[0412]

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[same obs$\underline{\text{ns}}$] Repeated

22 May
1867

village of Chitimba Rivulet Chiloa
Ulungu Boiling point 204 ° Temp. - 70 - 9 AM
Feet - 4558 of Altitude

Aneroids' 25.08 air 70 °
2 25.29
3 25.76 = 4790 feet

4558
2222 Diff
2) 9338
Mean Height 4669

observation repeated

5$\underline{\text{th}}$ Oct

Kurungu's vil. on Kamosenga Rt- Lopere
9 AM 206 ° = 3449 feet
Aneroids 26.60 = 3509[1]
52 Diff.
2) 6958
Mean Heigh = 3479

8$^{\text{th}}$ Nov

Lake Moero 3 PM 30 feet above water
Boiling point 207 ° 81 = 2900 feet
Aneroids - 26.6 == 78 ° = 3120
220 x
2) 6020
Mean = 3010 feet

6$\underline{\text{th}}$ Dec

9 AM Mofwe - Casembe's town by lakelet
Boiling point 206 ˚ 8 - 76 ˚ = 2990 feet
Aneroids 3153
163
2) 6143
Mean Height 3071 feet

21$^{\text{st}}$
January
1868

Buire [^] [or Kabuire] vil Kab[^][w]abwata 10 AM
Boiling Point 206 ˚ 6. 78 ˚ = 3118 feet
Aneroids - 25.36 - 78 [On the right-hand side of the page Livingstone includes calculations for height.]

31$\underline{\text{st}}$ Dᵒ

Dᵒ Boiling Point 206 ˚.4 - 3 = 74 ˚ = 9.30 AM
Barometers corrected 2654 = 74 ˚ 9.30
[0413]

1867.
April 4$^{\text{th}}$

Average of Altitudes observed at Lake Liemba
Barometers (Aneroid) 6 AM air 75 ˚ Feet 3013 - 27.50

4$^{\text{th}}$

Dᵒ corr. 26.97 9 AM - 75 ˚ – 3063

4$^{\text{th}}$

Boiling Point - 207 ˚ 9 [^][30]AM - Dᵒ82 ˚ – 2906

4$^{\text{th}}$

Barometers corrᵈ 26.96 3 PM - 82 ˚ – 3105

13$\underline{\text{th}}$

Barometerscorr^d 27.11 9 AM - 77 ° – 2917

D^o

Boiling Point mean 206.8 9 AM - 78 ° – 3001

13th

Boiling Point 207 ° .3 3 PM - 83 ° – 2737

20th

Barometers (27.15) corr. 3 PM 83 ° – 2898

D^o

Boiling point 207 ° .6 9 AM 83 ° – 2561

3 May

Boiling point 207.5 9 AM 80 ° – 2603

Barometer (Pambete) 27.06 9 AM 76 ° – 2965

10) 31808

2882 Mean 2882
[0414]

[408
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1868
April
18th

Lake Moero 18th April 1868 about 30 feet above water
Bar. N ° 1. 3. PM [Several sets of calculations on the right hand side of the page.]
Boiling Point 3 - PM.

19th

Bar. at 9. AM
Boiling Pt. 9. AM.

      19ᵗʰ

Bar. Noon - 26.60 = 81 ˚
Bar. 3 PM 26.55 = 83 ˚

      20ᵗʰ

Bar. 6 AM. 26.52 = 70
[Calculations.]

      October
      19ᵗʰ
      1868

Moero - 4 ʰ PM. Boiling Point 206 ˚ 1 = 85 ˚ = Lake Water
− 5ʰ = 40 ᵐ PM Dᵒ Dᵒ 206 ˚ 2 = 79 ˚ 82 ˚
Bar. 4 PM
5 - 40 PM

      20ᵗʰ

6 AM -
26.49 - 82 ˚ =[Calculations to figure out Height By Barometer]
Height by Barometer

      19ᵗʰ April

Bar.[Calculations for height of Lake Moero.]

      Dᵒ

Boiling pt

      19ᵗʰ & 20

Bar.

October 19$\underline{\text{th}}$

Barometer

-

- Boiling pt
By Bar & Boil pt Height of Moero
[0415]

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Town of Cazembe on the Nor East bank of Mofwe
and 50 or 8o feet above the Lakelet - 6$\underline{\text{th}}$ May 1868

6$\underline{\text{th}}$

Bar. 3 PM. [Calculations on right-hand side of the page.]

7$\underline{\text{th}}$

Bar. 3 PM.

8$\underline{\text{th}}$

Bar. 9 AM.

–

Bar - 3 - PM.
[Calculations in two columns.]
Differing from Moero on 3 feet.

Kabwabwata in Kabuire

1$\underline{\text{st}}$Nov

Barometer corrected 26.38 = 86 ° 3 PM Feet 3733

5$\underline{\text{th}}$

– – 26.55 = 83 ° 9 AM Feet 3547

6<u>th</u>

$-- 26.48 = 87°$ Noon - Feet 3629

8<u>th</u>

$-- 26.46 = 85°$ 6 PM - <u>Feet 3612</u>

Mean -   -

feet 3630

5<u>th</u>

Boiling Point $206°$-$4 = 83°$ 9 AM Feet 3267

D^o

$-- 206° 2 = 85°$ Noon Feet 3102

8<u>th</u>

$-- 206° 2 = 85°$ 6 PM Feet 3397
Diff. Bar. - .9 Boiling pt 375 feet Mean - <u>3255</u>
Mean of Bar & Boiling pt. Feet 3442.
[0416]

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19<u>th</u>
July
1868

Lake Bangweolo - water level -
Bar at Noon. 25.95 - $= 70°$
Bar 3 PM - $25.90 = 71°$
Bar 6 PM - $25.85 = 63°$

20<u>th</u>

Bar 9 AM 25.90 - $= 66°$
Bar 3 PM 25.85 72

23<u>d</u>

Bar 9 AM 26.00 high wind [$66°$]
Bar 3 PM 25.95 $== 70°$
[Calculations for height]

July
20$^{\underline{th}}$

Boiling Point at 9 AM - 205°.4 = 66°
$--$ 3 PM - 205°.6 = 72°
[Calculations for height of lake.]
Difference 450 ==== 3923 mean height of lake
[0417]

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[0418]

[412
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[0419]

[413
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[0420]

[414
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[0421]

[415
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