

Table 13

Mean (

Inland Stations.

	Number of Days.*	0-1 hr.	1-2 hr.	2-3 hr.	3-4 hr.	4-5 hr.
1937—						
July.....	15	9.9	9.9	10.0	9.8	9.5
August.....	30	13.7	13.2	12.7	12.1	11.4
September.....	30	16.4	15.8	15.5	15.0	14.7
October.....	30	21.7	21.5	21.1	20.6	20.3
November.....	30	25.5	25.0	24.5	24.0	23.3
December.....	28	23.7	23.4	23.2	23.1	22.8
1938—						
January.....	21	25.9	25.1	25.3	25.2	24.7
February.....	25	22.7	22.5	22.3	22.2	21.9
March.....	26	24.6	24.5	24.0	24.1	23.6
April.....	24	19.7	19.8	19.2	18.8	18.7
May.....	31	15.6	15.3	15.0	14.6	14.2
June.....	—	—	—	—	—	—
1937—						
July.....	28	13.8	13.2	12.8	12.2	12.0
August.....	29	18.4	17.7	17.1	16.6	15.9
September.....	28	19.7	19.5	19.2	17.8	17.2
October.....	29	23.3	22.7	22.1	21.5	20.9
November.....	29	25.8	25.3	24.7	24.2	23.5
December.....	28	25.1	24.6	24.2	23.6	23.3
1938—						
January.....	30	26.0	25.4	25.0	24.5	23.9
February.....	26	24.8	24.3	23.7	23.6	23.3
March.....	29	26.1	25.3	25.1	24.7	23.9
April.....	—	—	—	—	—	—
May.....	—	—	—	—	—	—
June.....	26	15.6	15.3	14.5	14.4	13.9
1937—						
July.....	27	12.4	12.1	11.6	11.1	11.0
August.....	24	15.7	15.0	14.5	14.1	13.4
September.....	28	17.2	16.2	15.6	15.3	15.0
October.....	27	19.2	18.2	17.7	17.4	17.0
November.....	28	22.5	21.7	20.9	20.3	19.7
December.....	10	20.5	19.7	20.0	19.5	19.3
1938—						
January.....	—	—	—	—	—	—
February.....	—	—	—	—	—	—
March.....	23	25.9	25.2	24.5	24.0	23.5
April.....	28	20.9	20.4	19.3	18.7	18.3
May.....	—	—	—	—	—	—
June.....	13	15.3	14.6	14.7	14.6	13.8

419-420b →

TABLE 13.(cont.)

Mean Cooling Temperature for Each Hour of the Day for the Various Months.
Johannesburg.

5-6 hr.	6-7 hr.	7-8 hr.	8-9 hr.	9-10 hr.	10-11 hr.	11-12 hr.	12-13 hr.	13-14 hr.	14-15 hr.
9.4	9.6	14.2	23.6	25.0	27.1	28.2	29.8	30.3	30.0
11.3	11.6	17.0	26.5	29.6	31.6	33.2	34.7	35.3	34.4
14.5	15.8	21.8	27.4	30.2	31.6	32.9	34.9	35.0	34.5
20.4	24.5	29.1	31.7	33.5	35.1	36.7	37.7	38.0	37.9
24.4	29.9	34.1	36.2	37.8	39.5	40.4	41.6	41.6	41.6
23.6	26.8	29.5	30.5	31.7	32.9	34.2	34.6	35.4	34.9
25.7	29.0	31.0	34.0	36.0	36.8	38.5	38.4	38.4	37.2
22.2	26.1	29.4	30.9	33.3	35.3	37.4	38.0	37.3	35.5
23.4	25.8	31.9	36.2	37.8	39.2	40.5	41.2	41.1	39.9
18.5	18.9	21.9	30.7	32.1	33.3	33.8	34.1	34.1	34.4
13.7	13.9	18.6	27.3	29.5	31.1	32.3	33.7	33.9	33.6
—	—	—	—	—	—	—	—	—	—

Bloemfontein.

11.6	11.5	15.2	19.3	21.9	24.3	26.2	27.1	27.8	27.7
15.4	15.4	20.6	24.4	27.4	30.3	32.2	33.4	34.1	34.1
16.7	18.8	24.3	28.0	30.5	33.3	34.9	36.2	36.5	36.1
20.4	23.6	27.4	30.9	34.2	36.6	38.6	39.5	39.3	39.6
24.1	27.8	30.8	33.6	36.6	38.4	39.7	40.9	40.9	40.5
24.8	27.8	30.8	33.4	35.7	37.3	38.2	39.1	39.7	39.3
25.0	27.1	31.0	34.1	36.5	38.0	39.5	40.3	41.0	40.5
23.3	26.0	29.2	31.8	33.8	36.2	36.9	37.8	38.5	37.9
23.4	25.5	29.2	31.7	34.3	36.5	38.3	39.7	40.7	40.1
—	—	—	—	—	—	—	—	—	—
13.5	13.0	16.3	20.4	23.9	27.1	29.4	29.9	30.0	30.0

Nelspoort Sanatorium.

10.4	10.0	13.2	18.2	20.8	23.5	25.4	25.9	26.5	26.5
12.8	13.4	17.9	22.0	24.6	27.7	29.6	30.1	30.6	30.3
14.7	16.3	20.9	24.7	28.3	30.9	32.2	32.2	32.7	32.8
17.0	19.5	23.9	27.9	30.9	32.8	33.3	33.9	33.9	34.8
21.1	25.8	29.4	33.5	35.9	38.1	39.3	39.3	38.8	39.3
20.6	22.3	24.6	27.4	31.1	33.4	34.6	35.0	34.8	34.9
—	—	—	—	—	—	—	—	—	—
23.0	26.2	30.6	33.4	36.7	39.7	41.0	41.1	40.9	40.5
18.0	18.0	22.6	26.8	28.9	30.9	32.7	32.8	32.9	33.2
—	—	—	—	—	—	—	—	—	—
13.6	12.9	14.4	18.2	20.7	22.7	23.8	24.8	25.9	26.0

* Number of days on which observations were taken.

419-420a

419-420c

Table 13 (cont.)

Months.

15-16 hr.	16-17 hr.	17-18 hr.	18-19 hr.	19-20 hr.	20-21 hr.	21-22 hr.	22-23 hr.	23-24 hr.
28.7	26.3	20.4	16.6	13.8	12.3	11.5	10.4	9.9
33.0	30.1	24.6	21.2	18.2	16.5	15.6	14.9	14.2
33.1	30.0	26.3	23.3	20.7	19.3	18.4	17.7	17.0
36.8	35.2	32.3	28.0	25.9	24.5	23.4	22.7	22.4
40.4	38.1	35.6	30.9	29.3	27.9	27.3	26.3	25.9
33.2	32.2	29.9	26.8	25.6	24.9	24.6	24.2	24.1
36.0	35.5	32.5	29.1	27.9	26.8	26.4	26.1	25.7
34.8	33.7	31.4	27.7	26.5	25.3	24.2	23.3	22.7
38.7	35.5	33.4	30.2	27.9	26.6	25.8	25.2	24.7
33.2	31.3	27.1	24.0	22.5	21.6	21.3	20.7	19.9
32.6	30.1	24.7	20.8	18.7	17.7	17.2	16.3	15.9
—	—	—	—	—	—	—	—	—
26.8	24.0	18.4	16.2	15.6	15.7	15.2	15.3	14.4
33.1	30.9	26.4	23.0	22.1	21.6	20.8	20.3	19.5
35.0	32.9	29.2	25.3	24.0	23.1	22.3	21.0	20.8
37.9	36.5	33.6	29.8	28.3	27.3	26.1	24.8	24.1
40.6	38.6	36.3	33.1	30.4	29.5	28.7	27.5	26.6
37.8	37.1	35.6	32.6	29.4	28.2	27.4	26.6	25.9
39.5	38.4	36.0	32.7	29.7	28.5	27.9	27.0	26.5
37.3	35.8	32.5	29.8	28.3	27.9	27.2	26.4	25.7
39.3	38.2	35.7	31.6	29.6	28.8	28.2	27.6	26.9
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
28.6	26.0	22.1	20.8	19.8	18.9	17.7	16.8	16.3
25.1	21.8	18.6	17.0	15.8	14.7	14.0	13.3	12.7
30.1	28.0	23.5	22.0	20.9	19.9	18.9	18.0	17.0
32.1	30.0	25.5	23.3	22.3	21.4	20.2	19.3	17.8
34.0	32.9	30.4	27.1	25.6	24.6	23.8	22.3	20.3
38.1	36.6	34.1	30.2	28.3	27.4	26.2	24.9	23.6
34.1	33.9	32.1	28.2	25.3	24.6	24.3	22.8	21.6
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
39.5	37.7	34.4	31.5	30.1	29.4	28.5	27.6	26.5
32.9	31.2	28.1	25.7	25.0	24.5	23.8	23.1	22.2
—	—	—	—	—	—	—	—	—
25.4	22.3	20.1	18.9	18.5	16.8	16.3	16.0	15.4

← 419-420b

419-420c

TABLE 13A

*Mean Cooli**Coastal Stations.*

	Number of Days.*	0-1 hr.	1-2 hr.	2-3 hr.	3-4 hr.	4-5 hr.	5-6 hr.
1937—							
July	28	23.4	23.2	23.0	22.3	22.1	22.1
August	29	25.7	25.2	24.8	24.4	23.8	23.5
September	29	26.0	25.6	25.4	25.4	24.9	24.5
October	31	26.6	26.6	26.3	26.1	26.1	25.9
November	30	27.8	27.8	27.5	27.3	27.1	27.1
December	29	29.1	29.0	28.9	28.7	28.7	29.7
1938—							
January	27	28.1	28.2	28.4	28.1	28.0	28.7
February	27	30.2	29.6	29.9	29.8	30.0	29.9
March	30	30.4	30.4	29.9	30.0	30.0	29.8
April	29	29.8	29.8	29.9	29.4	29.1	29.6
May	31	26.9	26.5	26.4	26.3	26.2	25.8
June	28	24.0	23.6	23.5	23.2	23.2	22.9
1937—							
July	31	21.5	21.2	21.1	20.9	20.4	20.6
August	30	23.4	23.4	22.8	22.5	22.6	22.2
September	29	22.3	22.3	22.0	22.0	21.8	21.5
October	29	23.3	23.0	22.8	22.7	22.7	22.6
November	30	25.9	25.4	25.3	25.2	25.3	26.4
December	31	27.3	27.2	27.0	26.8	26.8	27.9
1938—							
January	29	28.2	28.1	28.2	28.1	28.1	29.1
February	27	28.5	28.3	28.0	28.1	27.7	28.7
March	31	29.3	29.1	28.7	28.8	28.8	28.8
April	28	25.8	25.8	25.8	25.5	25.5	25.4
May	26	22.2	22.4	21.9	21.9	21.8	21.9
June	30	21.3	21.1	20.4	20.4	20.3	20.2
1937—							
July	29	19.5	19.6	19.5	19.5	19.5	19.1
August	29	21.3	20.7	20.5	20.5	20.3	19.8
September	30	21.1	21.1	20.7	20.6	20.6	20.5
October	29	21.7	21.7	21.3	21.2	21.2	20.6
November	30	23.5	23.4	23.5	23.1	23.1	23.8
December	30	24.8	24.5	24.2	24.2	24.1	25.8
1938—							
January	31	24.8	24.6	24.4	24.3	24.4	25.2
February	28	24.9	24.7	24.6	24.4	24.4	24.4
March	31	25.4	24.9	24.9	24.9	24.8	24.5
April	30	24.0	23.7	23.7	23.3	23.5	23.2
May	26	22.4	21.9	21.8	22.0	21.8	21.7
June	29	21.4	21.0	20.9	20.7	20.7	20.6

421-422b →

TABLE 13A.(cont.)

Mean Cooling Temperature for each Hour of the Day for the Various Months.
Durban.

6-7 hr.	7-8 hr.	8-9 hr.	9-10 hr.	10-11 hr.	11-12 hr.	12-13 hr.	13-14 hr.	14-15 hr.
21·6	24·2	28·7	32·4	33·9	33·7	33·4	32·8	32·3
23·6	26·7	30·5	33·0	34·2	34·4	34·6	34·5	33·8
25·6	29·5	32·2	35·0	36·0	36·3	36·5	36·0	35·1
27·6	29·7	31·7	33·2	34·9	35·9	36·1	35·5	34·8
29·5	31·7	33·8	34·6	35·8	36·8	37·2	36·8	36·0
31·8	34·2	36·0	36·7	38·3	38·6	38·5	37·6	37·1
30·7	32·3	33·9	35·2	35·9	36·3	36·8	37·1	36·6
29·9	34·1	36·6	38·6	39·8	39·9	41·0	40·7	39·3
31·0	34·5	37·6	39·0	40·2	40·5	40·6	40·3	39·7
30·0	32·8	35·4	37·0	38·3	37·7	37·6	37·4	37·1
25·9	28·3	31·2	34·7	35·9	36·5	36·4	35·9	35·0
23·1	26·0	29·1	32·1	33·7	34·1	34·3	33·6	33·0

Port Elizabeth.

20·2	21·8	26·5	29·0	30·6	31·4	31·4	32·1	31·7
22·3	25·7	29·8	32·6	34·3	34·7	35·0	34·8	34·1
22·7	26·5	29·1	30·7	32·2	32·1	31·8	31·1	30·9
25·3	27·9	30·2	32·0	33·6	33·3	32·9	32·1	32·3
29·9	32·0	33·9	34·7	35·3	35·9	35·8	35·7	34·7
30·8	33·0	35·1	35·8	35·8	36·3	36·3	36·2	35·7
31·6	33·3	34·8	36·1	37·3	37·7	38·1	37·8	37·5
31·7	34·0	36·4	37·8	38·1	37·9	37·8	37·5	37·2
30·6	33·1	35·1	36·8	37·8	38·0	38·1	38·1	37·5
26·1	28·2	30·4	32·4	32·7	33·8	33·9	34·0	33·1
21·4	22·5	26·7	29·3	30·9	31·2	31·6	31·3	30·7
19·8	21·0	25·1	28·4	29·1	31·2	31·2	31·7	31·0

Cape Town.

18·8	20·1	22·8	24·7	26·9	28·5	29·1	29·1	28·7
20·1	23·1	26·8	29·0	30·0	31·6	32·2	32·3	32·4
21·1	24·1	27·0	29·0	31·1	31·5	31·9	32·0	31·1
23·5	27·8	30·0	32·0	33·9	34·8	35·5	35·0	34·8
27·2	29·9	31·7	33·8	34·5	36·1	36·9	36·8	36·0
29·2	31·5	34·1	36·0	37·5	38·4	38·5	37·9	36·6
28·4	31·8	33·8	35·3	37·2	36·8	37·0	36·5	35·7
27·3	30·3	33·3	35·4	36·6	37·5	37·6	37·1	36·3
26·3	29·9	32·3	34·7	35·9	37·1	37·7	37·1	37·0
23·2	25·6	28·2	29·3	30·7	31·2	32·2	32·7	32·5
21·1	23·0	25·5	27·0	29·1	30·5	31·2	31·3	30·7
20·1	20·9	24·6	28·5	31·0	32·4	33·0	32·5	31·8

* Number of days on which observations were taken.

← 421-422a

421-422c →

TABLE 13A (cont.)

Months.

15-16 hr.	16-17 hr.	17-18 hr.	18-19 hr.	19-20 hr.	20-21 hr.	21-22 hr.	22-23 hr.	23-24 hr.
31.0	28.6	25.9	25.7	25.5	24.6	24.2	24.1	23.9
31.9	30.2	27.7	27.2	27.2	26.8	26.5	26.1	25.8
33.6	31.5	29.3	28.0	27.6	27.3	26.7	26.5	26.5
33.3	32.1	29.7	27.9	27.6	27.4	27.0	27.0	26.7
34.5	32.6	30.5	29.1	28.5	28.5	28.4	28.3	28.0
36.1	34.2	32.8	31.0	30.2	30.1	30.0	29.4	29.3
35.5	33.5	32.0	30.3	29.5	28.9	28.7	28.3	28.0
38.0	35.7	33.4	31.7	31.2	31.0	30.8	30.4	30.4
37.8	36.0	33.6	31.9	31.7	31.5	31.2	30.9	30.7
36.0	34.3	31.9	30.9	30.9	30.4	30.0	29.9	30.0
33.7	31.6	29.5	28.7	28.5	28.2	27.8	27.7	27.2
32.5	30.2	27.6	26.8	26.1	25.6	25.1	24.8	25.0
30.5	27.2	23.8	22.8	22.6	22.3	22.0	21.8	21.8
32.1	29.2	25.7	25.2	24.9	24.8	24.2	24.0	23.8
29.8	27.5	24.1	22.6	22.5	22.4	22.4	22.4	22.3
30.9	29.2	26.5	24.4	24.1	24.1	23.5	23.4	23.4
33.3	32.3	30.5	27.8	26.9	26.5	26.4	25.9	25.8
35.1	33.3	31.4	29.2	27.9	27.7	27.7	27.6	27.5
35.8	34.2	32.3	29.5	28.7	28.6	28.5	28.1	28.1
36.0	34.5	32.3	30.8	28.9	28.6	28.7	28.9	28.4
36.2	33.6	31.1	29.5	29.3	29.9	29.8	29.9	29.7
31.6	29.6	26.9	26.4	26.2	25.9	25.9	25.7	25.7
29.1	26.7	24.0	22.7	22.7	22.6	22.6	22.3	22.2
28.7	25.4	23.0	22.6	22.2	21.8	21.7	21.4	21.2
27.1	24.2	22.3	21.1	21.1	20.9	20.5	20.2	19.8
31.2	28.4	23.7	22.5	22.3	22.0	22.0	21.7	21.7
29.4	27.0	24.4	21.9	21.6	21.4	21.1	21.0	21.0
33.3	30.8	26.9	23.1	22.3	22.3	22.2	22.1	21.9
34.8	32.5	29.4	25.8	24.3	23.9	23.7	23.6	23.6
35.5	33.5	31.2	27.5	25.4	25.1	25.0	25.0	25.0
34.6	32.9	31.0	27.5	25.6	25.0	24.8	24.9	24.8
35.0	33.3	30.7	26.5	25.5	25.3	25.1	24.9	25.0
35.2	32.9	29.5	26.1	25.8	25.6	25.8	25.4	25.5
31.6	29.3	25.5	24.6	24.2	23.7	24.0	23.9	23.9
29.0	26.7	24.0	23.4	23.0	22.7	22.5	22.4	22.3
29.8	26.0	23.4	22.7	22.3	22.0	22.0	21.6	21.4

← 421-422b

421-422c

TABLE 14

Mean Cool

Inland Stations.

	0-1 hr.	1-2 hr.	2-3 hr.	3-4 hr.	4-5 hr.	5-6 hr.
Mean—						
July-August.....	11.8	11.5	11.3	11.0	10.5	10.3
September-October-November.....	21.2	20.8	20.4	19.9	19.4	19.8
December-January-February.....	24.1	23.7	23.6	23.5	23.1	23.8
March-April-May.....	20.0	19.9	19.4	19.2	18.8	18.5

Mean—						
July-August.....	16.1	15.5	14.9	14.4	14.0	13.5
September-October-November.....	22.9	22.5	22.0	21.2	20.5	20.4
December-January-February.....	25.3	24.8	24.3	23.9	23.5	24.4

Mean—						
July-August.....	14.4	14.1	13.6	13.6	13.3	12.9
September-October-November.....	19.6	18.7	18.1	17.7	17.2	17.6


423-424b 

TABLE 14.(cont.)

Mean Cooling Temperature for Each Hour of the Day for the Various Seasons.

Johannesburg.

6-7 hr.	7-8 hr.	8-9 hr.	9-10 hr.	10-11 hr.	11-12 hr.	12-1 hr.	1-2 hr.	2-3 hr.
10.6	15.6	25.0	27.3	29.3	30.7	32.2	32.8	32.2
23.4	28.3	31.8	33.8	35.4	37.0	38.1	38.2	38.0
27.3	30.0	31.8	33.3	35.0	36.7	37.0	37.0	35.9
19.5	24.1	31.4	33.1	34.5	35.5	36.3	36.4	36.0

Bloemfontein.

13.5	17.9	21.8	24.6	27.3	29.2	30.2	30.9	30.7
23.4	27.5	30.8	33.8	36.1	37.7	38.9	38.9	38.7
27.0	30.3	33.1	35.3	37.2	38.2	39.1	39.7	39.2

Nelspoort.

13.1	16.7	20.2	22.7	25.6	27.5	28.0	28.5	28.4
20.5	24.7	28.7	31.7	33.9	34.9	35.1	35.1	35.6

← 423-424a

423-424c →

423-424 b

TABLE 14 (cont)

Seasons.

3-4 hr.	4-5 hr.	5-6 hr.	6-7 hr.	7-8 hr.	8-9 hr.	9-10 hr.	10-11 hr.	11-12 hr
30.8	28.2	22.5	18.9	16.0	14.4	13.5	12.6	12.0
36.8	34.4	31.4	27.4	25.3	23.9	23.0	22.2	21.8
34.7	33.8	31.3	27.9	26.7	25.7	25.1	24.5	24.2
34.8	32.3	28.4	25.0	23.0	22.0	21.4	20.7	20.2

29.9	27.4	22.4	19.6	18.9	18.7	18.0	17.8	16.9
37.8	36.0	33.0	29.4	27.6	26.6	25.7	24.4	23.8
38.2	37.1	34.7	31.7	29.1	28.2	27.8	26.7	26.0

27.8	25.3	21.4	19.8	18.6	17.5	16.8	15.9	15.2
34.7	33.2	30.0	26.9	25.4	24.5	23.4	22.2	20.6

← 423-424b

423-424c