

The area affected and the period of duration of the longest heat waves in Australia are shown in the map and diagram on page 34.

(v) *Tabulated Data for Selected Climatological Stations in Australia.* The following tables show normal mean temperature, extreme temperature and normal rainfall for each month for selected climatological stations in each State :—

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS : NEW SOUTH WALES.

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
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GRAFTON.

Normal Mean Temperature—													
Maximum °F.	89.1	87.9	85.2	81.7	76.1	70.9	70.6	73.3	78.6	82.6	85.7	88.0	80.8
Minimum ..	66.4	66.3	63.7	57.9	51.0	45.7	43.3	45.1	50.4	56.3	61.3	64.5	56.0
Extreme Temperature—													
Maximum .. °F.	114.0	113.0	108.0	97.0	91.0	88.0	87.5	95.0	99.0	105.0	111.0	113.5	114.0
Minimum ..	50.0	50.0	41.0	33.0	33.0	28.0	24.9	24.0	32.0	35.0	43.0	45.0	24.0
Normal Rainfall ins.	4.56	4.19	3.72	3.15	2.77	2.44	2.03	0.93	1.83	2.23	3.31	3.52	34.68

ARMIDALE.

Normal Mean Temperature—													
Maximum °F.	80.8	79.5	75.3	68.4	61.2	55.3	54.0	57.2	63.8	70.4	76.1	79.3	68.4
Minimum ..	56.5	55.8	52.1	45.6	39.2	34.9	33.8	34.4	38.9	45.1	50.3	54.3	45.1
Extreme Temperature—													
Maximum .. °F.	103.4	95.0	94.0	86.2	80.0	76.0	68.2	78.2	83.0	90.5	97.5	99.8	103.4
Minimum ..	40.0	38.0	31.0	25.0	20.0	17.0	14.0	18.0	22.0	26.0	32.0	36.0	14.0
Normal Rainfall ins.	3.88	2.81	2.26	1.87	1.46	2.33	2.11	1.54	2.09	2.35	2.87	3.41	28.98

PORT MACQUARIE.

Normal Mean Temperature—													
Maximum °F.	78.6	78.7	77.1	73.2	68.8	64.9	64.0	65.8	68.5	71.2	74.0	76.4	71.8
Minimum ..	64.4	64.3	61.8	56.8	50.8	46.3	44.8	45.4	49.2	54.8	59.0	62.5	55.0
Extreme Temperature—													
Maximum .. °F.	104.0	105.8	97.0	92.8	84.0	79.6	84.0	91.3	89.4	97.4	104.0	98.8	105.8
Minimum ..	51.0	48.0	43.5	40.0	34.6	30.5	29.5	31.0	32.5	38.0	41.2	48.0	29.5
Normal Rainfall ins.	4.89	6.48	6.45	7.37	5.76	5.08	4.35	2.64	3.55	3.67	3.22	3.98	57.44

BROKEN HILL.

Normal Mean Temperature—													
Maximum °F.	90.5	90.2	84.6	74.7	66.7	59.9	59.5	63.6	70.1	77.3	83.3	88.6	75.8
Minimum ..	64.5	64.7	60.1	52.6	47.1	42.5	41.2	43.2	47.6	52.9	58.1	62.6	53.1
Extreme Temperature—													
Maximum .. °F.	114.9	115.9	113.9	99.9	87.8	79.0	80.0	84.0	94.0	103.9	110.9	113.9	115.9
Minimum ..	45.0	42.0	40.0	34.0	30.5	27.0	28.5	29.0	33.0	36.0	40.0	41.8	27.0
Normal Rainfall ins.	0.59	0.96	0.56	0.65	0.94	0.92	0.72	0.63	0.67	0.84	0.86	0.86	9.20

DUBBO.

Normal Mean Temperature—													
Maximum °F.	92.1	91.3	85.7	76.9	68.0	61.0	59.7	63.5	70.3	78.5	85.3	89.6	76.8
Minimum ..	63.8	63.8	58.9	50.8	43.5	39.3	37.5	38.3	42.7	49.3	56.4	61.3	50.5
Extreme Temperature—													
Maximum .. °F.	114.9	113.9	104.5	97.9	90.9	79.9	77.8	87.0	92.9	104.9	110.0	115.4	115.4
Minimum ..	40.9	35.7	37.7	30.0	23.4	19.9	16.9	17.9	20.9	27.9	30.9	37.9	16.9
Normal Rainfall ins.	2.00	1.49	1.99	1.77	1.44	2.24	1.87	1.51	1.31	1.49	1.93	1.87	20.91

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS:
NEW SOUTH WALES—*continued.*

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
NEWCASTLE.													
Normal Mean Temperature—													
Maximum °F.	77.6	77.7	76.1	72.2	67.2	62.9	61.7	64.0	68.1	71.3	73.9	76.0	70.7
Minimum ..	66.6	67.1	64.7	59.5	53.7	49.5	47.7	48.8	52.6	57.2	61.3	64.3	57.7
Extreme Temperature—													
Maximum .. °F.	112.0	105.3	101.5	94.9	85.0	80.0	79.4	88.3	96.4	100.0	105.0	108.0	112.0
Minimum ..	54.5	54.0	50.0	42.0	41.0	38.0	37.5	37.0	39.0	42.0	47.8	49.0	37.0
Normal Rainfall ins.	3.01	2.96	3.84	5.33	4.64	3.66	4.44	2.34	2.97	2.51	2.21	3.45	41.36
BATHURST.													
Normal Mean Temperature—													
Maximum °F.	83.9	83.7	78.8	69.9	62.1	55.2	53.9	57.4	64.2	70.9	76.7	81.6	69.9
Minimum ..	55.6	55.5	51.0	44.0	38.2	34.8	34.0	34.5	38.1	43.4	48.4	53.5	44.2
Extreme Temperature—													
Maximum .. °F.	112.9	106.4	100.2	90.0	80.0	71.0	70.0	76.4	86.0	96.0	103.5	107.7	112.9
Minimum ..	37.0	35.0	30.0	22.0	20.0	15.7	13.0	18.7	21.0	25.0	31.0	35.0	13.0
Normal Rainfall ins.	2.18	1.73	1.99	1.51	1.39	1.86	2.07	1.68	1.52	2.10	2.04	2.49	22.56
LEETON.													
Normal Mean Temperature—													
Maximum °F.	88.9	88.7	82.6	72.6	64.8	57.7	56.8	60.3	66.8	73.8	81.2	86.4	73.4
Minimum ..	63.2	63.4	59.0	51.2	45.0	40.5	38.9	40.5	44.1	49.7	55.6	60.8	51.0
Extreme Temperature—													
Maximum .. °F.	117.0	110.5	107.0	94.5	82.4	74.5	72.0	81.9	92.5	103.5	107.0	112.0	117.0
Minimum ..	44.0	41.2	40.0	33.0	29.9	24.9	25.3	25.0	26.5	34.0	35.5	41.8	24.9
Normal Rainfall ins.	1.22	0.86	1.03	1.47	1.38	1.84	1.36	1.67	1.31	1.49	1.26	1.24	16.13
JERVIS BAY.(a)													
Normal Mean Temperature—													
Maximum °F.	74.5	75.0	73.3	68.8	64.4	60.2	58.9	61.0	64.3	67.7	70.2	73.0	67.6
Minimum ..	63.0	64.0	62.7	58.5	53.8	50.5	48.6	49.5	52.2	55.3	58.3	61.3	56.3
Extreme Temperature—													
Maximum .. °F.	109.0	100.0	98.0	89.0	83.0	77.0	75.0	80.0	87.0	96.0	96.0	100.0	109.0
Minimum ..	43.0	50.0	46.0	42.0	39.0	37.0	33.0	31.0	40.0	41.0	47.0	42.0	31.0
Normal Rainfall ins.	4.11	3.25	4.46	5.07	5.22	4.32	4.89	2.72	3.06	2.57	2.64	3.82	46.13
ALBURY.													
Normal Mean Temperature—													
Maximum °F.	89.9	90.4	84.3	73.6	64.9	57.4	56.4	60.4	67.2	73.8	81.3	87.4	73.9
Minimum ..	59.8	60.2	55.2	47.8	42.3	39.3	38.2	39.9	43.2	47.7	52.9	57.5	48.7
Extreme Temperature—													
Maximum .. °F.	117.3	114.3	107.3	94.8	83.0	76.0	74.0	79.0	94.8	101.5	107.0	112.6	117.3
Minimum ..	39.0	42.0	39.0	30.0	28.0	25.7	25.0	26.0	29.0	30.0	33.0	40.0	25.0
Normal Rainfall ins.	1.59	1.95	1.81	1.96	2.28	3.32	2.91	3.01	2.30	2.52	1.76	2.25	27.66
COOMA.													
Normal Mean Temperature—													
Maximum °F.	78.8	79.0	73.8	65.0	57.3	50.9	50.4	54.5	61.0	67.5	72.6	77.2	65.7
Minimum ..	52.2	52.4	48.3	41.7	35.3	31.7	30.2	31.5	36.1	40.9	45.8	50.1	41.3
Extreme Temperature—													
Maximum .. °F.	112.0	107.0	104.6	92.7	77.7	69.2	72.9	75.7	86.9	95.7	102.1	110.0	112.0
Minimum ..	29.8	33.0	28.2	22.8	13.0	13.4	11.0	12.0	14.3	22.0	25.8	28.8	11.0
Normal Rainfall ins.	2.34	1.86	1.88	1.46	1.11	1.22	1.27	0.98	1.27	1.51	1.72	2.23	18.85

(a) Australian Capital Territory.

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS: VICTORIA.

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
MILDURA.													
Normal Mean Temperature—													
Maximum °F.	89.8	90.0	84.4	74.5	66.9	60.4	59.5	63.9	69.9	76.5	83.2	88.2	75.6
Minimum ..	61.0	61.7	57.2	50.5	45.6	41.3	40.5	42.5	46.1	50.9	55.4	59.6	51.0
Extreme Temperature—													
Maximum .. °F.	123.5	118.0	112.0	99.0	90.0	80.0	78.0	86.9	95.0	104.0	113.0	121.5	123.5
Minimum ..	40.0	43.0	37.0	34.0	27.0	26.0	24.0	29.0	29.0	34.0	35.0	40.0	24.0
Normal Rainfall ins.	0.73	0.90	0.70	0.55	1.01	1.05	0.91	1.01	0.96	1.00	0.84	0.71	10.37
BENALLA.													
Normal Mean Temperature—													
Maximum °F.	87.6	88.7	82.4	72.3	64.3	56.5	55.7	58.9	65.1	72.4	79.5	84.8	72.3
Minimum ..	58.9	59.6	55.1	48.0	42.6	39.1	38.2	39.7	43.6	48.3	52.1	56.5	48.5
Extreme Temperature—													
Maximum .. °F.	114.0	112.0	108.0	97.0	89.0	70.0	70.0	76.0	88.0	102.0	104.0	111.0	114.0
Minimum ..	40.0	37.0	36.0	32.0	26.0	25.0	27.0	27.9	30.0	33.0	36.0	38.0	25.0
Normal Rainfall ins.	1.58	1.66	1.60	1.99	2.30	3.09	2.78	2.72	2.36	2.41	1.65	1.77	25.91
BENDIGO.													
Normal Mean Temperature—													
Maximum °F.	83.0	83.9	78.1	68.4	61.3	54.8	54.2	57.0	62.5	68.9	75.2	80.5	69.0
Minimum ..	56.5	58.3	54.0	48.2	43.7	40.7	39.4	40.2	43.0	46.7	50.9	54.9	48.0
Extreme Temperature—													
Maximum .. °F.	117.4	111.6	104.7	94.7	80.0	77.3	73.0	75.7	90.0	99.7	106.5	111.5	117.4
Minimum ..	37.0	40.0	38.0	33.4	27.3	23.9	23.5	26.0	29.0	32.0	35.0	37.0	23.5
Normal Rainfall ins.	1.14	1.50	1.27	1.49	1.97	2.26	2.21	2.11	2.04	1.70	1.25	1.33	20.27
HORSHAM.													
Normal Mean Temperature—													
Maximum °F.	85.1	86.3	80.2	70.7	63.0	56.6	56.0	59.0	64.1	70.2	77.2	82.7	70.9
Minimum ..	55.2	55.9	51.9	47.0	42.9	40.2	38.8	39.9	41.9	45.1	49.6	53.2	46.8
Extreme Temperature—													
Maximum .. °F.	120.0	113.0	108.0	97.0	87.0	74.0	71.0	78.0	94.0	100.0	108.0	115.0	120.0
Minimum ..	39.0	37.0	35.0	31.0	25.0	22.0	21.0	24.0	24.0	25.0	29.0	34.0	21.0
Normal Rainfall ins.	0.75	1.21	0.74	1.23	1.78	1.98	1.89	1.90	1.98	1.48	1.26	1.37	17.57
BALLARAT.													
Normal Mean Temperature—													
Maximum °F.	75.7	76.9	71.6	63.0	56.3	50.4	49.8	52.5	57.1	62.4	67.4	72.5	63.0
Minimum ..	50.5	52.9	50.1	45.8	42.6	39.5	38.4	39.4	41.2	43.6	46.0	49.3	44.9
Extreme Temperature—													
Maximum .. °F.	108.5	104.9	102.1	91.2	75.0	63.0	63.0	69.6	83.0	92.5	100.0	102.0	108.5
Minimum ..	36.0	36.2	31.0	31.0	27.0	23.0	26.0	26.3	26.6	29.0	31.5	35.0	23.0
Normal Rainfall ins.	1.26	1.79	1.83	2.13	2.43	2.67	2.68	2.92	2.84	2.41	2.08	2.34	27.38
BAIRNSDALE.													
Normal Mean Temperature—													
Maximum °F.	75.3	76.1	73.0	67.5	62.5	57.5	57.0	59.5	63.2	67.5	70.6	74.0	67.0
Minimum ..	53.5	54.5	51.7	46.9	42.5	38.8	38.1	39.6	42.7	46.1	49.0	52.4	46.3
Extreme Temperature—													
Maximum .. °F.	112.0	109.0	105.5	95.0	86.0	75.0	76.0	84.0	92.6	101.0	103.0	111.0	112.0
Minimum ..	35.0	39.0	32.0	29.0	25.0	22.0	21.0	19.0	26.0	27.0	30.0	32.0	19.0
Normal Rainfall ins.	2.48	2.09	2.64	2.02	1.59	2.16	2.06	1.73	2.08	2.68	2.19	2.63	26.35

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS : QUEENSLAND.

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
CAIRNS.													
Normal Mean Temperature—													
Maximum °F.	89.7	89.0	87.1	84.9	81.6	78.8	78.1	79.5	82.6	85.6	87.9	89.7	84.5
Minimum ..	74.2	73.9	72.6	70.0	66.2	63.5	61.0	61.1	63.8	67.4	70.4	72.9	68.1
Extreme Temperature—													
Maximum .. °F.	109.8	108.0	100.0	94.5	92.0	92.1	95.1	98.1	94.1	98.1	99.1	105.0	109.8
Minimum ..	63.5	64.0	59.8	57.0	52.2	44.6	43.0	43.2	46.0	54.5	52.0	60.2	43.0
Normal Rainfall ins.	16.51	17.00	17.59	10.76	4.37	2.87	1.56	1.46	1.43	2.40	3.05	7.35	86.35
TOWNSVILLE.													
Normal Mean Temperature—													
Maximum °F.	87.3	87.0	86.6	84.7	81.2	77.3	76.0	77.6	80.3	83.1	85.2	87.0	82.8
Minimum ..	76.2	75.6	73.9	70.6	65.4	61.9	59.8	61.5	65.8	70.5	73.8	75.6	69.2
Extreme Temperature—													
Maximum .. °F.	102.4	110.2	98.0	97.0	88.5	86.5	85.0	89.0	92.5	94.7	99.5	101.1	110.2
Minimum ..	68.2	64.5	65.4	53.9	49.7	47.0	45.3	48.0	52.0	60.2	64.2	66.0	45.3
Normal Rainfall ins.	10.03	9.90	5.15	2.57	0.92	1.41	0.77	0.60	0.49	1.19	2.03	4.63	39.69
CLONCURRY.													
Normal Mean Temperature—													
Maximum °F.	98.7	96.3	94.6	89.9	82.9	77.3	76.4	81.4	88.4	95.1	98.6	100.4	90.0
Minimum ..	76.5	75.4	73.0	66.9	59.7	54.1	51.5	54.3	61.0	68.2	73.5	76.2	65.9
Extreme Temperature—													
Maximum .. °F.	127.5	115.5	110.5	108.0	98.5	99.1	96.0	102.5	106.0	112.0	118.5	125.5	127.5
Minimum ..	59.3	58.0	53.3	48.0	41.3	32.0	34.2	34.5	40.5	49.8	54.0	50.0	32.0
Normal Rainfall ins.	4.73	3.96	1.86	0.62	0.48	0.80	0.23	0.12	0.15	0.44	1.59	1.90	16.88
MACKAY.													
Normal Mean Temperature—													
Maximum °F.	86.2	85.5	83.6	80.7	76.1	72.2	71.0	72.8	77.0	81.3	83.9	86.2	79.7
Minimum ..	73.6	73.2	71.2	66.6	60.8	56.2	53.4	54.8	59.9	65.5	69.4	72.3	64.7
Extreme Temperature—													
Maximum .. °F.	99.8	99.4	98.0	94.0	88.8	85.9	86.0	87.0	92.0	97.0	97.5	99.9	99.9
Minimum ..	60.1	60.3	56.0	49.2	41.6	37.0	35.1	36.1	39.6	44.0	46.6	60.0	35.1
Normal Rainfall ins.	13.56	12.65	10.95	4.64	3.36	2.75	1.57	1.12	1.14	1.55	3.12	6.75	63.16
LONGREACH.													
Normal Mean Temperature—													
Maximum °F.	99.6	96.9	94.1	87.8	80.4	74.3	73.2	77.9	85.4	92.8	97.0	99.7	88.3
Minimum ..	73.3	71.7	68.1	60.1	52.1	46.7	44.3	46.5	53.7	61.5	67.5	71.5	59.8
Extreme Temperature—													
Maximum .. °F.	118.3	113.4	113.0	103.0	96.8	92.0	92.0	96.8	104.2	109.2	114.5	115.6	118.3
Minimum ..	43.9	55.1	48.2	38.1	35.1	26.7	26.7	31.0	31.0	39.0	41.0	43.9	26.7
Normal Rainfall ins.	2.31	3.12	2.10	1.01	0.52	0.94	0.80	0.30	0.52	0.84	1.26	1.82	15.54
ROCKHAMPTON.													
Normal Mean Temperature—													
Maximum °F.	90.0	88.7	87.2	84.2	79.3	74.4	73.7	76.7	81.7	85.9	88.5	90.0	83.4
Minimum ..	72.3	72.1	69.8	64.8	58.3	54.0	51.2	52.9	58.3	63.8	68.0	70.9	63.0
Extreme Temperature—													
Maximum .. °F.	106.8	105.2	104.8	98.0	94.3	88.2	88.8	95.9	100.2	102.8	107.9	111.6	111.6
Minimum ..	60.0	60.8	50.3	43.4	39.8	32.7	34.6	36.3	39.8	43.0	54.0	59.2	32.7
Normal Rainfall ins.	6.70	7.28	3.54	2.66	1.26	2.80	1.77	0.82	0.94	1.99	2.63	4.97	37.36

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS:
QUEENSLAND—*continued.*

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
CHARLEVILLE.													
Normal Mean Temperature—													
Maximum °F.	97.6	96.1	91.7	84.5	76.4	69.3	68.3	72.9	80.4	88.2	93.6	96.4	84.6
Minimum ..	70.8	70.1	65.1	55.7	47.2	42.3	40.1	42.1	49.0	57.7	64.4	68.5	56.1
Extreme Temperature—													
Maximum .. °F.	116.6	115.0	110.0	101.8	92.0	87.8	86.5	93.7	102.0	109.8	117.0	118.0	118.0
Minimum ..	52.4	50.0	41.0	34.0	27.5	23.0	23.0	24.0	29.0	34.5	40.0	48.0	23.0
Normal Rainfall ins.	2.65	2.36	1.54	0.95	0.69	1.46	1.32	0.75	0.95	1.02	1.68	2.60	17.97
TOOWOOMBA.													
Normal Mean Temperature—													
Maximum °F.	82.7	81.0	78.2	73.5	67.2	62.0	61.1	64.5	70.5	76.2	80.2	82.2	73.3
Minimum ..	61.2	61.0	58.7	52.5	46.6	42.4	40.7	41.9	46.8	52.3	56.6	59.5	51.7
Extreme Temperature—													
Maximum .. °F.	103.6	100.7	99.0	88.2	84.2	80.5	78.2	86.0	89.5	96.0	101.0	105.0	105.0
Minimum ..	45.5	46.0	33.0	31.0	29.6	22.0	22.5	25.0	30.0	32.4	39.4	42.8	22.0
Normal Rainfall ins.	5.15	4.29	3.36	2.62	1.85	2.54	2.06	1.16	1.69	2.39	3.34	4.74	35.19

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS: SOUTH AUSTRALIA.

STREAKY BAY.													
Normal Mean Temperature—													
Maximum °F.	84.8	85.2	81.8	74.2	67.9	62.0	61.0	63.3	67.7	73.2	78.6	82.0	73.3
Minimum ..	60.1	60.5	58.5	54.1	51.4	48.2	46.9	47.8	49.2	52.4	55.6	58.3	53.6
Extreme Temperature—													
Maximum .. °F.	114.2	114.2	109.0	96.0	88.3	79.0	73.0	83.0	91.0	104.2	113.8	117.0	117.0
Minimum ..	46.2	44.8	43.5	41.0	34.0	31.0	31.2	32.2	33.9	38.0	39.5	42.5	31.0
Normal Rainfall ins.	0.30	0.68	0.57	0.76	1.72	2.64	2.29	2.19	1.21	1.01	0.69	0.56	14.62
PORT PIRIE.													
Normal Mean Temperature—													
Maximum °F.	89.2	89.6	86.4	76.8	69.5	62.8	61.7	64.8	71.2	77.1	82.9	86.2	76.3
Minimum ..	62.9	63.2	61.1	55.2	50.9	46.5	45.5	46.5	49.2	53.4	57.4	60.9	54.4
Extreme Temperature—													
Maximum .. °F.	117.1	113.0	111.0	99.0	85.0	77.0	76.0	83.0	95.0	103.0	109.0	114.2	117.1
Minimum ..	48.2	48.2	47.0	41.0	36.0	30.0	31.0	33.0	35.0	37.0	43.0	46.0	30.0
Normal Rainfall ins.	0.75	0.83	0.70	0.78	1.40	1.54	1.25	1.48	1.23	1.17	0.92	0.94	12.99
YONGALA.													
Normal Mean Temperature—													
Maximum °F.	85.9	85.8	80.7	70.5	62.4	55.5	54.5	57.6	63.8	71.2	78.3	83.5	70.8
Minimum ..	55.8	56.3	51.7	45.1	40.9	37.6	36.1	36.9	39.4	43.4	49.0	53.7	45.5
Extreme Temperature—													
Maximum .. °F.	111.2	107.6	105.0	95.0	83.0	71.8	72.4	79.2	91.0	98.2	104.0	107.0	111.2
Minimum ..	38.0	39.0	34.0	28.4	23.5	19.0	19.0	24.0	25.8	24.0	30.2	35.0	19.0
Normal Rainfall ins.	0.80	0.86	0.60	0.88	1.37	1.53	1.62	1.87	1.54	1.23	1.10	1.16	14.56
MT. GAMBIER.													
Normal Mean Temperature—													
Maximum °F.	74.2	75.9	72.7	66.5	61.4	57.0	56.2	58.1	61.1	65.0	68.3	71.9	65.7
Minimum ..	53.5	54.8	52.4	49.5	46.4	43.5	42.4	43.1	45.1	46.9	49.6	52.0	48.3
Extreme Temperature—													
Maximum .. °F.	112.6	109.6	106.3	98.2	82.6	72.0	70.5	77.0	89.0	95.0	104.0	107.6	112.6
Minimum ..	33.0	34.0	33.0	29.8	26.2	23.4	23.7	27.5	28.4	30.4	31.0	34.0	23.4
Normal Rainfall ins.	0.93	1.22	1.17	2.14	2.90	3.55	3.49	3.44	2.91	2.10	1.56	1.45	26.

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS : WESTERN AUSTRALIA.

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
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WYNDHAM.

Normal Mean Temperature—													
Maximum °F.	95.9	95.5	95.3	94.7	90.1	85.8	85.0	88.5	93.5	96.9	98.5	97.6	93.1
Minimum ..	80.2	79.7	79.5	77.2	72.4	68.0	66.2	69.5	74.8	79.7	81.4	81.2	75.8
Extreme Temperature—													
Maximum .. °F.	113.5	108.3	106.0	104.6	102.4	97.5	96.0	102.0	106.0	110.2	111.6	109.5	113.5
Minimum ..	67.5	62.0	65.0	63.5	55.2	50.0	48.0	56.0	60.1	65.0	68.0	67.0	48.0
Normal Rainfall ins.	6.79	6.30	5.22	0.50	0.14	0.20	0.08	0.02	0.05	0.38	1.55	3.92	25.15

GERALDTON.

Normal Mean Temperature—													
Maximum °F.	84.5	85.2	83.6	80.5	74.2	69.7	67.7	68.8	71.4	73.6	78.5	82.0	76.6
Minimum ..	66.3	66.5	65.0	60.9	56.9	53.8	51.7	52.1	53.0	55.4	60.0	63.4	58.7
Extreme Temperature—													
Maximum .. °F.	112.0	115.5	110.8	102.8	93.8	83.8	81.0	86.0	96.5	104.6	108.8	113.0	115.5
Minimum ..	48.0	51.0	47.0	41.8	38.6	33.6	33.4	37.3	38.3	41.0	44.0	48.0	33.4
Normal Rainfall ins.	0.30	0.42	0.78	0.89	2.58	4.84	3.77	2.57	1.21	0.79	0.27	0.16	18.58

KALGOORLIE.

Normal Mean Temperature—													
Maximum °F.	93.2	93.0	86.3	78.4	70.1	63.6	62.5	66.0	73.6	79.0	86.3	91.1	78.6
Minimum ..	64.2	64.4	61.3	55.2	48.9	44.6	42.9	43.9	48.2	52.7	58.3	62.3	53.9
Extreme Temperature—													
Maximum .. °F.	114.4	115.0	111.0	102.5	92.0	81.8	81.0	87.0	96.0	102.3	110.6	113.0	115.0
Minimum ..	47.1	48.0	41.6	37.0	34.6	31.0	30.0	30.0	31.6	33.4	38.2	46.0	30.0
Normal Rainfall ins.	0.69	0.65	1.26	0.97	0.98	0.98	0.81	0.88	0.38	0.58	0.61	0.67	9.46

COLLIE.

Normal Mean Temperature—													
Maximum °F.	86.4	85.7	80.4	74.3	65.9	61.3	59.8	61.0	64.8	68.8	77.2	83.0	72.4
Minimum ..	55.6	54.9	52.5	47.1	42.9	40.4	39.1	39.8	42.5	45.3	49.7	53.1	46.9
Extreme Temperature—													
Maximum .. °F.	109.0	110.2	105.3	98.0	86.8	76.0	73.0	79.0	86.6	96.4	101.8	106.2	110.2
Minimum ..	37.7	35.2	32.3	29.6	28.0	24.8	25.0	26.2	28.0	31.0	32.6	35.0	24.8
Normal Rainfall ins.	0.67	0.70	0.98	1.85	5.24	6.91	7.84	6.10	4.44	3.06	1.12	0.69	39.60

ALBANY.

Normal Mean Temperature—													
Maximum °F.	73.8	74.2	72.3	70.3	65.9	62.2	60.9	61.7	63.6	65.7	69.2	72.0	67.6
Minimum ..	58.5	58.8	57.5	54.5	50.7	47.8	46.3	46.6	48.3	50.0	53.6	56.5	52.4
Extreme Temperature—													
Maximum .. °F.	106.0	112.6	105.4	99.6	95.3	76.2	73.5	81.0	87.0	97.2	106.0	106.0	112.6
Minimum ..	42.3	41.0	38.7	39.5	35.1	35.0	32.2	34.3	34.0	36.2	40.6	41.2	32.2
Normal Rainfall ins.	1.36	1.03	1.78	2.93	5.30	5.44	6.00	5.42	4.25	3.28	1.65	1.23	39.67

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS : TASMANIA.

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
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BURNIE.

Normal Mean Temperature—													
Maximum °F.	66.7	66.9	64.6	61.1	57.9	54.3	52.9	53.7	55.7	57.9	61.6	65.3	59.9
Minimum ..	50.9	52.9	49.4	47.4	44.5	43.2	40.5	41.3	41.8	43.7	47.1	49.7	46.1
Extreme Temperature—													
Maximum .. °F.	83.5	80.3	80.0	71.3	70.5	60.4	59.8	61.3	63.0	72.7	80.4	85.0	85.0
Minimum ..	39.5	38.7	36.0	35.5	31.3	32.8	30.5	30.0	31.0	32.0	36.0	36.5	30.0
Normal Rainfall ins.	1.52	1.73	1.88	3.23	3.53	4.55	4.92	4.88	3.83	3.65	2.62	2.65	38.99

LAUNCESTON.

Normal Mean Temperature—													
Maximum °F.	75.8	76.7	72.0	65.3	59.5	54.6	53.7	56.3	60.0	64.2	69.2	73.1	65.0
Minimum ..	52.1	52.7	49.7	45.3	41.1	38.4	36.9	38.4	41.4	44.1	47.2	50.3	44.8
Extreme Temperature—													
Maximum .. °F.	100.0	101.0	98.5	84.0	74.8	66.2	66.2	68.0	75.0	88.8	92.0	97.6	101.0
Minimum ..	34.0	33.7	31.0	27.0	24.0	22.0	21.0	24.5	24.0	25.0	32.0	31.5	21.0
Normal Rainfall ins.	1.52	1.49	1.71	2.38	2.71	3.11	3.10	3.12	2.81	2.67	1.82	2.12	28.56

ZEEHAN.

Normal Mean Temperature—													
Maximum °F.	66.3	68.6	65.2	59.9	56.0	52.3	51.6	53.0	55.9	58.9	61.4	64.7	59.5
Minimum ..	48.0	49.4	47.3	45.1	42.4	39.2	38.2	39.7	41.0	42.8	44.6	46.8	43.7
Extreme Temperature—													
Maximum .. °F.	94.7	99.2	92.5	81.9	74.6	67.3	62.6	69.3	80.0	85.9	94.0	97.0	99.2
Minimum ..	32.2	30.7	28.0	25.0	23.0	20.5	21.1	22.6	23.0	26.6	30.0	31.2	20.5
Normal Rainfall ins.	5.75	4.37	5.77	8.25	8.69	9.21	9.90	10.30	9.34	8.59	7.43	6.46	94.06

SWANSEA.

Normal Mean Temperature—													
Maximum °F.	70.9	71.4	68.7	63.9	59.4	55.3	54.7	56.5	59.9	63.3	66.8	69.2	63.3
Minimum ..	52.1	53.0	50.3	46.6	42.4	40.0	38.9	39.5	42.3	44.9	47.9	50.6	45.7
Extreme Temperature—													
Maximum .. °F.	104.1	100.7	99.7	85.0	83.9	67.0	67.0	72.6	80.0	92.0	95.0	100.2	104.1
Minimum ..	35.4	38.0	27.0	31.4	27.0	24.0	26.4	25.0	27.2	29.0	32.0	35.0	24.0
Normal Rainfall ins.	1.60	1.89	2.48	2.30	1.65	2.52	1.97	1.37	1.51	2.17	1.84	2.49	23.79

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS : NORTHERN TERRITORY.

DARWIN.

Normal Mean Temperature—													
Maximum °F.	89.9	89.8	90.2	91.9	90.1	87.5	86.6	88.5	91.0	92.6	93.2	92.0	90.3
Minimum ..	77.3	77.1	77.1	75.9	72.6	69.5	67.8	69.7	73.9	77.2	78.2	78.1	74.5
Extreme Temperature—													
Maximum .. °F.	100.0	100.9	102.0	104.0	102.3	98.6	98.0	98.0	102.0	104.9	103.3	102.0	104.9
Minimum ..	68.0	63.0	68.0	65.7	59.2	55.3	55.8	58.1	63.0	68.7	66.8	69.4	55.3
Normal Rainfall ins.	16.18	12.37	11.18	3.08	0.33	0.09	0.01	0.02	0.60	1.93	4.32	8.57	58.68

TABULATED DATA FOR SELECTED CLIMATOLOGICAL STATIONS :
NORTHERN TERRITORY—*continued.*

Particulars.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
DAILY WATERS.													
Normal Mean Temperature—													
Maximum °F.	97.5	96.6	94.9	93.2	88.0	84.0	83.9	89.1	95.6	100.7	102.1	101.1	93.9
Minimum ..	75.6	74.4	72.6	67.1	61.0	56.9	54.0	56.4	63.9	71.0	74.8	75.9	67.0
Extreme Temperature—													
Maximum .. °F.	113.0	111.0	110.3	106.2	101.0	97.8	98.0	102.4	108.1	112.0	113.0	116.1	116.1
Minimum ..	61.2	55.0	55.2	49.0	43.0	35.1	30.2	39.0	41.2	48.3	56.5	61.2	30.2
Normal Rainfall ins.	6.77	5.11	4.24	0.94	0.27	0.14	0.03	0.03	0.12	0.68	2.41	3.98	24.72
ALICE SPRINGS.													
Normal Mean Temperature—													
Maximum °F.	95.3	94.7	90.1	81.3	73.3	67.1	66.9	72.5	80.1	87.6	91.7	94.7	82.9
Minimum ..	69.8	68.3	62.8	53.8	46.0	41.2	38.9	43.2	49.2	58.5	64.0	68.2	55.3
Extreme Temperature—													
Maximum .. °F.	116.0	114.0	113.0	102.8	101.0	87.0	88.0	96.4	99.7	113.1	115.0	117.0	117.0
Minimum ..	50.0	48.0	39.0	35.4	27.0	22.0	19.0	25.0	30.0	36.4	40.0	46.0	19.0
Normal Rainfall ins.	1.74	1.32	1.09	0.39	0.60	0.52	0.29	0.31	0.28	0.71	1.15	1.53	9.93

(vi) *Frosts.** The Observer's Handbook of the Meteorological Office, London, gives the following definition:—"Injury to the tissues of growing plants is not caused until the temperature has fallen considerably below the freezing point of water (32° F.) and a 'ground frost' is regarded as having occurred when the thermometer on the grass has fallen to 30.4° F. or below".

In Australia this definition is adopted for stations equipped with terrestrial minimum thermometers. However, these are few in number, so although many rainfall observers record "hoar frost" when seen, for statistical purposes a screen temperature of 36° F. is taken as indicating light frosts at ground level. For heavy frosts a screen temperature of 32° F. is taken.

In America a "killing" frost is defined as a frost "that is generally destructive of vegetation". A "black frost" is the phenomenon arising out of a combination of low temperature and low humidity causing rupturing of plant cells by expansion, when freezing takes place, of the water which they contain, though frost crystals are not formed on the ground.

The parts of Australia most subject to low temperature are the eastern highlands from about Omeo in Victoria northward to Cambooya and Bybera in Queensland. Most stations in this region experience more than ten nights per month with readings of 32° F. or under for three to five months of the year. In Tasmania, districts on the Central Plateau are subject to such conditions for three to six months of the year. Minimum temperatures of 32° F. are comparatively infrequent in Western Australia except in parts of the south and south-west. In South Australia the Yongala district is much more subject to such temperatures than other parts of the State. Much of the south-east of Queensland has a higher frequency of such readings than South Australia. Generally speaking, the frequency is controlled mainly by altitude, latitude and, to a lesser degree, by proximity to the sea.

Frosts may occur within a few miles of the coastline over the whole continent, except in the Northern Territory and a considerable area of Northern Queensland. Regions subject to frost in all months of the year comprise portions of the tablelands of New South Wales, the Eastern Highlands and parts of the Central Divide and Western district in Victoria, practically the whole of Tasmania and a small area in the south-west of Western Australia.

* Foley, J. C. Frost in the Australian Region (Bull. 32, 1945).