Psychrometrical Table:

FOR DETERMINING THE

ELASTIC FORCE OF AQUEOUS VAPOR

AND THE

RELATIVE HUMIDITY OF THE ATMOSPHERE

FROM

INDICATIONS OF THE WET AND THE DRY-BULB THERMOMETER FAHRENHEIT.

Vil No. 23

BY

JAMES H. COFFIN, A.M.

PROFESSOR OF MATHEMATICS AND NATURAL PHILOSOPHY, IN LA FAYETTE COLLEGE, BASTON, PENNSYLVANIA.

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THE following table is based on the formulæ of Reginault, as used by Prof. Guyot, in the preparation of his Psychrometrical Tables, for the Smithsonian Institution viz.:—

$$x=f-\frac{.480\;(t-t')}{610-t'}h$$
, for temperatures above the freezing-point, and $x=f-\frac{.480\;(t-t')}{689-t'}h$, for those below;

in which h represents the height of the barometer, t the temperature indicated by the dry bulb centigrade thermometer, t that indicated by the wet bulb thermometer, t the elastic force of aqueous vapor in a saturated air at the temperature t, and x the actual force at the time of the observation.

Adapting these formulæ to the Fahrenheit thermometer, the former will read

$$x = f - \frac{.480 \times \frac{5}{9} (t - t')}{610 - \frac{5}{9} (t' - 32)} h = f - \frac{.480 (t - t')}{1130 - t'} h,$$

and the latter,

$$x = f - \frac{.480 \times \frac{5}{9} (t - t')}{689 - \frac{5}{9} (t' - 32)} h = f - \frac{.480 (t - t')}{1240.2 - t'} h.$$

If we put h = 755 millimetres, = 29,725 English inches, these formulæ may be reduced for the latter measure to the following forms:—

$$x = f - \frac{14.268(t - t')}{1130 - t'}$$
; and $x = f - \frac{14.268(t - t')}{1240.2 - t'}$.

In using the table, look out the degree of the wet-bulb thermometer at the top, and the difference between the wet and dry bulb thermometers at the left. Under the former and opposite the latter, find, in their appropriate columns, the force of vapor, and the relative humidity.

		DI	EGREES	OF THE	WET B	цьв тн	ERMOME	CTER—1	FAHREN	HEIT.		
hrenheit		81°	-3	80°	-2	29°	-2	S°	-2	170	-2	
t - t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1/2 1	·011 ·006	100 50 2	·012 ·006 ·001	100 52 6	·012 ·007 ·001	100 54 9	·013 ·007 ·002	100 55 12	·013 ·008 ·002	100 57 16	·014 ·008 ·003	100 59 19
eit.		D	EGREES	OF TH	E WET	BULB '	THERMO	METER	FAHRF	NHEIT		
ahrenh	-2	5°	-2	4°	-2	23°	2	22°	2	21°	-2	60°
t — t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1/2 1 11/2	·015 ·009 ·003	100 60 22	·015 ·010 ·004	100 62 25	·016 ·010 ·005	100 63 28	·017 ·011 ·005	100 64 30	·017 ·012 ·006	100 66 33 1	·018 ·012 ·007 ·001	100 67 35 5
it	DEGREES OF THE WET BULB THERMOMETER.—FAHRENHEIT.											
hrenbe	-1	9°	-1	S°	-1	70	-1	6 °	-1	15°	-1	4°
t — t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in Inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1/2 1 11/2 2	·019 ·013 ·007 ·002	100 69 37 9	·020 ·014 ·008 ·003	100 70 40 12	·021 ·015 ·009 ·003	100 71 43 16	·022 ·016 ·010 ·004	100 72 45 19	·023 ·017 ·011 ·005	100 73 47 23	·024 ·018 ·012 ·006 ·001	100 74 49 26 3
eit.		נסנ	EGREES	OF TH	E WET	BULB 1	HERMON	METER.	-FAHRE	NHEIT.		
Fahrenheit.	-1	3 °	-1	2 °	-1	11°	-1	0 °		90	-8	3°
t — t' E	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1/2 1 1 1 1/2 2 2 1/2	·025 ·019 ·013 ·007 ·002	100 75 51 29 6	·026 ·020 ·014 ·009 ·003	100 76 53 31 10	·027 ·021 ·015 ·010 ·004	100 77 55 34 13	·028 ·022 ·017 ·011 ·005	100 78 57 36 17	·029 ·024 ·018 ·012 ·006 ·001	100 79 58 39 20 2	·031 ·025 ·019 ·013 ·008 ·002	100 80 60 41 23 6

it.			DEGREES	OF T	HE WET	BULB	THERM	OMETE	R.—FАНІ	RENHE	T.	
hrenhe		70	_	6°		50		4 °		3°		2°
t — t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1/2 1 11/2 2 21/2 3	·032 ·026 ·021 ·015 ·009 ·003	100 80 62 43 26 10	·033 ·028 ·022 ·016 ·011 ·005	100 81 63 46 29 13	·035 ·029 ·024 ·018 ·012 ·006 ·001	100 82 65 48 32 17 2	·036 ·031 ·025 ·019 ·014 ·008 ·002	100 83 66 50 84 20 5	·038 ·032 ·027 ·021 ·015 ·010 ·004	100 83 67 52 37 23 9	·040 ·034 ·028 ·023 ·017 ·011 ·006	100 84 68 53 39 26 12
lf.		D	EGREES	OF TH	IE WET	BULB	THERMO	METER	.—FAHR	ENHEL	r.	
hrenhe	1		0		1	•	2	0	3	0	4	0
t — t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 12 1 112 2 212 3 312 4	·042 ·036 ·030 ·025 ·019 ·013 ·008 ·002	100 84 69 55 42 28 16 4	·044 ·038 ·032 ·026 ·020 ·015 ·009 ·003	100 85 70 56 43 30 18 6	-046 -040 -034 -028 -022 -017 -011 -005	100 85 71 57 45 32 21	·048 ·042 ·036 ·030 ·024 ·019 ·013 ·007 ·001	100 86 72 59 47 35 23 12 2	·050 ·044 ·038 ·032 ·027 ·021 ·015 ·009 ·003	100 86 73 60 49 37 26 15 6	·052 ·046 ·041 ·035 ·029 ·023 ·017 ·012 ·006	100 87 74 61 51 39 29 19
it		D	EGREES	OF TH	E WET	BULB	THERMO	METER	.—FAHR	ENHEL	r.	
hrenhe	5		6)	190		S	0	9	0	10	0
t — t' Fahrenheit,	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in Inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 12 1 112 2 212 3 312 4 412 5 512	-055 -049 -043 -037 -031 -026 -020 -014 -008 -002	100 87 75 62 52 42 82 22 13 4	057 051 045 040 034 028 022 017 011 005	100 87 76 64 54 44 35 25 16 7	-060 -054 -048 -042 -036 -031 -025 -019 -013 -007 -002	100 88 77 66 56 46 37 27 19 10 2	062 057 051 045 039 033 028 022 016 010	100 88 77 68 57 48 39 30 21 13 6	-065 -059 -054 -048 -042 -036 -030 -025 -019 -013 -007 -001	100 89 78 69 59 49 41 32 24 16 9	-068 -062 -057 -051 -045 -039 -033 -028 -022 -016 -010 -004	100 89 79 70 60 51 43 34 27 19 12 5

eit.		ı	EGREES	OF TH	IE WET	BULB	THERMO	METER	.—FAHR	ENHEL	r.	
ahren	11	lo	12	o	13	0	14	Į°	15	0	16	0
t — t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
$\begin{array}{c} 0^{\circ} \\ \frac{1}{2} \\ 1 \\ 1\frac{1}{2} \\ 2 \\ 2\frac{1}{2} \\ 3 \\ 3\frac{1}{2} \\ 4 \\ 4\frac{1}{2} \\ 5 \\ 5\frac{1}{2} \\ 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \\ \end{array}$	071 066 060 054 042 037 031 025 019 013 007	100 90 80 71 62 53 45 37 29 22 15 8	.075 .069 .063 .057 .051 .046 .040 .034 .028 .022 .017 .011	100 90 81 72 63 55 46 39 31 24 18 11 5	-078 -072 -067 -061 -055 -049 -043 -038 -032 -026 -020 -014 -008 -003	100 91 81 73 64 56 48 41 34 27 20 13 8	-082 -076 -070 -065 -059 -053 -047 -041 -036 -030 -024 -018 -012 -006 -001	100 91 82 74 65 58 50 43 36 29 23 17 11 6	-086 -080 -074 -068 -063 -057 -051 -045 -039 -034 -028 -022 -016 -010 -004	100 91 83 75 67 59 52 45 38 32 25 20 14 9 4	-090 -084 -078 -072 -067 -061 -055 -049 -043 -032 -026 -020 -014 -008 -008	100 91 83 75 68 60 53 47 40 34 28 22 17 12 7
heit.		D	EGREES	OF TH	IE WET	BULB	THERMO	METER	.—FAHR	ENHEI	г.	
t — t' Fahrenheit.	12	70	18	0	19	0	20)°	21	[°	29	50
t — t'	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 12 1 112 2 212 3 312 4 4 12 5 512 6 6 12 7 7 12 8 8 12 9 9 12	-094 -088 -082 -077 -071 -065 -059 -053 -048 -042 -036 -030 -024 -012 -007	100 92 84 76 69 62 55 48 42 36 31 25 20 15	-098 -093 -087 -081 -075 -069 -064 -052 -046 -040 -034 -028 -023 -017 -011	100 92 84 77 70 63 56 50 44 38 33 27 22 17 12 8	·103 ·097 ·091 ·085 ·080 ·074 ·068 ·062 ·056 ·051 ·044 ·039 ·033 ·027 ·021	100 92 85 78 71 64 58 52 46 40 35 29 24 20 15	·108 ·102 ·096 ·090 ·084 ·079 ·073 ·067 ·061 ·055 ·049 ·043 ·032 ·026 ·020	100 92 85 78 71 65 59 53 47 42 37 22 17	·113 ·107 ·101 ·095 ·089 ·083 ·077 ·071 ·066 ·060 ·054 ·048 ·048 ·048 ·048 ·049 ·037 ·031 ·025	100 93 86 79 72 66 60 54 49 43 39 34 29 24 20 16	·118 ·112 ·106 ·100 ·094 ·088 ·082 ·077 ·071 ·065 ·059 ·053 ·048 ·042 ·036 ·030	100 93 86 79 73 67 61 56 51 45 40 36 31 27 22 18

ahrer	28	3°	24	Į°	25	50	20	3°	2	70	25	30
t t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.										
0° 1/2 1 11/2	·123 ·117 ·111 ·105	100 93 86 80	·129 ·123 ·117 ·111	100 93 87 81	·135 ·129 ·123 ·117	100 93 87 82	·141 ·135 ·129 ·123	100 93 88 82	·147 ·141 ·135 ·129	100 93 88 82	·153 ·147 ·142 ·136	100 94 88 83
2 21 21 3 31 31	·100 ·094 ·088 ·082	74 68 62 57	·105 ·099 ·093 ·088	75 69 63 58	·111 ·105 ·099 ·093	75 70 64 59	·117 ·111 ·105 ·099	76 71 66 61	·123 ·117 ·111 ·106	77 72 67 62	·130 ·124 ·118 ·112	78 78 68 68
4 4½ 5 5½	•076 •070 •065 •059	52 47 42 37	·082 ·076 ·070 ·064	53 48 44 39	·087 ·082 ·076 ·070	54 50 45 41	·093 ·088 ·082 ·076	56 51 47 43	·100 ·094 ·088 ·082	57 53 49 44	·106 ·100 ·094 ·089	58 54 50 46
6 61 7 71	·053 ·047 ·041 ·035	33 29 25 21	•058 •053 •047 •041	35 31 27 23	·064 ·058 ·052 ·046	37 33 29 25	·070 ·064 ·058 ·052	39 35 31 27	·076 ·070 ·064 ·059	40. 37 33 29	·083 ·077 ·071 ·065	42 38 35 31
8 81 9 91	·029 ·023 ·017 ·011	17 13 10 6	·035 ·029 ·023 ·017	19 15 12 9	·041 ·035 ·029 ·023	21 18 14 11	·047 ·041 ·035 ·029	24 20 17 14	·053 ·047 ·041 ·035	26 22 19 16	·059 ·053 ·047 ·041	28 24 21 18
10 10½ 11 11½	•006	3	·012 ·006	6 3	·017 ·011 ·005	8 5 2	·023 ·017 ·011 ·005	11 8 5 2	·029 ·023 ·017 ·011	13 10 8 5	-036 -030 -024 -018	18 18 10
$\frac{12}{12\frac{1}{2}}$									•006	2	·012 ·006	1

neit.		1	EGREES	OF TI	IE WET	BULB	THERMO	METER	.—FAHR	ENHEI'	T.	
ahren	29	0	. 30	0°	31	Lo	32	2°	33	3°	34	L°
t — V Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.										
0° 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·160	100	·167	100	·174	100	·181	100	·188	100	·196	100
	·154	94	·161	95	·168	95	·175	94	·182	95	·190	95
	·148	89	·155	89	·162	89	·168	89	·175	89	·183	90
	·142	84	·149	84	·156	85	·162	84	·169	84	·177	85
$ \begin{array}{c} 2 \\ 2\frac{1}{2} \\ 3 \\ 3\frac{1}{2} \end{array} $	·136	78	·143	79	·150	80	·155	79	·162	80	·170	80
	·130	74	·137	74	·144	75	·149	74	·156	75	·164	76
	·125	69	·131	70	·138	71	·142	70	·149	71	·157	71
	·119	64	·126	65	·133	66	·136	65	·143	66	·151	67
$ \begin{array}{c} 4 \\ 4\frac{1}{2} \\ 5 \\ 5\frac{1}{2} \end{array} $	·113	60	·120	61	·127	62	·129	61	·136	62	·144	63
	·107	56	·114	57	·121	58	·123	57	·130	58	·138	59
	·101	51	·108	53	·115	54	·116	53	·123	54	·131	55
	·095	48	·102	49	·109	51	·110	49	·117	50	·124	51
$\begin{array}{c} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \end{array}$	·089	44	·096	45	·103	47	·103	45	·110	46	·118	48
	·083	40	·090	42	·097	43	·097	41	·104	43	·111	44
	·077	36	·084	38	·091	40	·090	38	·097	39	·105	41
	·072	33	·078	35	·085	37	·084	34	·091	36	·098	37
8	·066	30	·072	32	·079	34	·077	31	·084	33	·092	34
8½	·060	26	·067	28	·074	30	·071	28	·078	30	·085	31
9	·054	23	·061	25	·068	27	·064	25	·071	27	·079	28
9½	·048	21	·055	23	·062	25	·058	22	·065	24	·072	26
$ \begin{array}{c} 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array} $	·042	18	·049	20	.056	22	·051	19	·058	21	•066	23
	·036	15	·043	17	.050	19	·045	16	·052	18	•059	20
	·030	12	·037	14	.044	17	·038	14	·045	16	•053	18
	·024	10	·031	12	.038	14	·032	11	·039	13	•046	15
$ \begin{array}{c} 12 \\ 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \end{array} $	•019	7	·025	9	.032	12	•025	9	·032	11	·040	13
	•013	5	·019	7	.026	10	•019	6	·026	8	·033	11
	•007	2	·013	5	.020	7	•012	4	·019	6	·027	8
	•001	0	·008	3	.015	5	•006	2	·013	· 4	·020	6
14 14½ 15			•002	1	·009 ·003	3 1	•••••	•••••	•006	2	·014 ·007 ·001	4 2 0

hren	38	° '	30	30	37	70	38	30	. 38)	40)°
t — t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.										
0° 1/2 1 11/2 2 21/2	·204 ·197 ·191 ·184 ·178 ·171	100 95 90 85 81 76	·212 ·206 ·199 ·193 ·186 ·180	100 95 90 86 81 77	·221 ·214 ·208 ·201 ·195 ·188	100 95 91 86 82 77	·229 ·223 ·216 ·210 ·203 ·197	100 95 91 86 82 78	·238 ·232 ·225 ·219 ·212 ·206	100 95 91 87 82 78	·248 ·241 ·235 ·228 ·222 ·215	100 95 91 87 83 79
3 3½ 4 4½ 5 5½	·165 ·158 ·152 ·145 ·139 ·132	72 68 63 60 56 52	·173 ·167 ·160 ·154 ·147 ·140	73 68 64 61 57 53	·182 ·175 ·169 ·162 ·155 ·149	73 69 65 61 58 54	·190 ·184 ·177 ·171 ·164 ·157	74 70 66 62 59 55	·199 ·193 ·186 ·180 ·173 ·166	74 71 67 63 60 56	·209 ·202 ·196 ·189 ·182 ·176	75 71 68 64 61 57
6 61 7 71 71 8 81	·126 ·119 ·113 ·106 ·100 ·093	49 45 42 39 36 33	·134 ·127 ·121 ·114 ·108 ·101	50 47 43 40 37 34	·142 ·137 ·130 ·124 ·117 ·111	51 48 45 42 39 36	·151 ·144 ·138 ·131 ·125 ·118	52 49 46 43 40 37	·160 ·152 ·146 ·139 ·133 ·126	53 50 47 44 41 39	·169 ·163 ·156 ·150 ·143 ·137	54 51 48 45 43 40
9 9½ 10 10½ 11 11½	·087 ·080 ·074 ·067 ·061 ·054	30 27 25 22 19 17	·095 ·088 ·082 ·075 ·069 ·062	32 29 26 24 21 19	·103 ·097 ·090 ·083 ·077 ·070	33 30 28 25 23 20	·112 ·105 ·099 ·092 ·086 ·079	34 32 29 27 24 22	·120 ·113 ·107 ·101 ·094 ·088	36 33 31 28 26 24	·130 ·124 ·117 ·110 ·104 ·097	37 35 32 30 28 25
12 12½ 13 13½ 14	·048 ·041 ·035 ·028 ·022	15 13 10 8 6	•056 •049 •043 •036 •030	16 14 12 10 8	·064 ·057 ·051 ·044 ·038	18 16 14 12 10	·073 ·066 ·060 ·053 ·047	20 18 16 14 12	·081 ·075 ·068 ·062 ·055	22 19 17 15 14	·091 ·084 ·078 ·071 ·065	23 21 19 17 15
14½ 15 15½ 16 16½ 17	·015 ·008 ·002	1	·023 ·016 ·010 ·003	6 4 3 1	·031 ·025 ·018 ·012 ·005	8 6 5 3 1	.040 .033 .027 .020 .014 .007	10 8 7 5 3 2	·049 ·042 ·036 ·029 ·023 ·016	12 10 9 7 5 3	·058 ·051 ·045 ·038 ·032 ·025	14 12 10 8 7 5
17½ 17½ 18 18½							-001	0	·010 ·003	2 1	·019 ·012 ·006	3

pelt.			DEGREES	OF TI	IE WET	BÙLB	THERMO	METER	—FAHR	ENHEI!	r.	
ahren	41	[°	42	e° -	48	80	44	Į°	4:	50	40	30
t — t' Fabrenbelt.	. Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·257	100	·267	100	·278	100	·289	100	-300	100	·311	100
	·251	96	·261	96	·271	96	·282	96	-293	96	·305	96
	·244	91	·254	92	·265	92	·275	92	-286	92	·298	92
	·237	87	·248	88	·258	88	·269	88	-280	88	·291	89
2 21 21 3 31 31	·231 ·224 ·218 ·211	83 79 76 72	·241 ·234 ·228 ·221	84 80 76 72	·251 ·245 ·238 ·232	84 80 77 73	·262 ·256 ·249 ·242	84 81 77 74	·273 ·267 ·260 ·253	85 81 78 74	·285 ·278 ·272 ·265	85 81 78 75
$ \begin{array}{c} 4 \\ 4\frac{1}{2} \\ 5 \\ 5\frac{1}{2} \end{array} $	·204	68	·215	69	·225	70	·236	70	·247	71	·258	71
	·198	65	·208	66	·218	66	·229	67	·240	68	·252	68
	·192	62	·202	62	·212	63	·223	64	·234	65	·245	65
	·185	58	·195	59	·205	60	·216	61	·227	62	·239	63
$\begin{array}{c} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \end{array}$	·179	55	·189	56	·199	57	·210	58	·221	59	·232	60
	·172	52	·182	53	·192	54	·203	55	·214	56	·226	57
	·165	49	·175	50	·186	51	·196	52	·208	53	·219	54
	·159	47	·169	48	·179	49	·190	50	·201	51	·212	52
8	·152	44	·162	45	•173	46	·183	47	·194	48	·206	49
8½	·146	41	·156	42	•166	43	·177	45	·188	46	·199	47
9	·139	39	·149	40	•159	41	·170	42	·181	43	·193	44
9½	·132	36	·142	37	•153	39	·163	40	·175	41	·186	42
$\begin{array}{c c} 10 & \\ 10\frac{1}{2} \\ 11 & \\ 11\frac{1}{2} \end{array}$	·126	34	·136	35	·146	36	·157	38	·168	39	·179	40
	·120	31	·130	33	·140	34	·151	35	·162	37	·173	38
	·113	29	·123	30	·133	32	·144	33	·155	34	·166	36
	·106	27	·116	28	·127	30	·137	31	·148	32	·160	34
$ \begin{array}{c} 12 \\ 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \end{array} $	·100	25	·110	26	·120	28	·131	29	·142	30	•153	32
	·093	23	·103	24	·113	26	·124	27	·135	28	•147	30
	·087	21	·097	22	·107	24	·118	25	·129	27	•140	28
	·080	19	·090	20	·100	22	·111	23	·122	25	•133	26
14	·073	17	·083	19	·094	20	·104	22	·115	23	·127	25
14½	·067	15	·077	17	·087	18	·098	20	·109	21	·120	23
15	·061	13	·071	15	·081	17	·091	18	·102	20	·114	21
15½	·054	12	·064	13	·074	15	·085	17	·096	18	·107	20
$ \begin{array}{c} 16 \\ 16\frac{1}{2} \\ 17 \\ 17\frac{1}{2} \end{array} $	·048	10	•057	12	·068	13	•078	15	-089	17	·101	18
	·041	9	•051	10	·061	12	•072	13	-082	15	·094	16
	·034	7	•044	9	·054	10	•065	12	-076	14	·087	15
	·028	6	•038	7	·048	9	•058	11	-069	12	·081	14
18	·021	4	·031	6	·041	7	·052	9	•063	11	·074	12
18½	·015	3	·024	5	·035	6	·045	8	•056	10	·068	11
19	·008	2	·018	3	·028	5	·039	7	•049	8	·061	10
19½	·001	0	·011	2	·021	4	·032	5	•043	7	·054	9
$\begin{array}{c} 20 \\ 20\frac{1}{2} \\ 21 \\ 21\frac{1}{2} \end{array}$			•005	1	·015 ·009 ·002	2 1 0	•026 •019 •013 •006	4 2 2 1	•037 •030 •023 •017	6 5 4 3	•048 •041 •035 •028	7 6 5 4
$ \begin{array}{c c} 22 \\ \hline 22\frac{1}{2} \\ \hline 23 \\ \hline 23\frac{1}{2} \end{array} $									·010 ·004	1	·022 ·015 ·008 ·002	3 2 1 0

eit.		D	EGREES	OF TH	E WET	BULB '	THERMO	METER	—FAHRI	ENHEIT		
- t' Fahrenheit.	47	0	48	0	49	0	50	0	51	0	52	0
1,1-t	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1/2 1 11/2	·323	100	·335	100	•348	100	·361	100	•374	100	•388	100
	·316	96	·329	96	•341	96	·354	96	•368	96	•382	96
	·310	92	·322	92	•335	93	·348	93	•361	93	•375	93
	·303	89	·315	89	•328	89	·341	89	•354	90	•369	90
2 21 3 31 31	·297 ·290 ·283 ·277	85 82 78 75	·309 ·302 ·296 ·289	85 82 79 76	·321 ·315 ·308 ·302	86 83 79 76	•334 •328 •321 •315	86 83 80 77	•348 •341 •335 •328	86 83 80 77	•362 •355 •349 •342	87 84 81 78
4	·270	72	·282	73	·295	73	·308	74	 321 315 308 302 	74	•336	75
4½	·264	69	·276	70	·288	70	·301	71		71	•329	72
5	·257	66	·269	67	·282	67	·295	68		69	•322	69
5½	·251	63	·263	64	·275	65	·288	65		66	•316	67
$\begin{bmatrix} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \\ 8 \end{bmatrix}$	·244 ·237 ·231 ·224 ·218	58 55 52 50	·256 ·249 ·243 ·236 ·230	61 59 56 53 51	·269 ·262 ·255 ·249 ·242	62 59 57 54 52	·282 ·275 ·268 ·262 ·255	63 60 58 55 55	·295 ·288 ·282 ·275 ·269	63 61 58 56 54	·309 ·302 ·296 ·289 ·283	64 61 59 57 54
8½	·211	48	·223	49	·236	50	·249	51	·262	51	·276	52
9	·204	45	·216	46	·229	47	·242	48	·255	49	·269	50
9½	·198	43	·210	44	·222	45	·235	46	·249	47	·263	48
10	·191	41	·203	42	·216	43	·229	44	·242	45	·256	46
$ \begin{array}{c c} 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \\ 12 \end{array} $	·185	39	·197	40	·209	41	·222	42	·235	43	·249	44
	·178	37	·190	38	·203	39	·216	40	·229	41	·243	42
	·171	35	·183	36	·196	37	·209	38	·222	39	·236	40
	·165	33	·177	34	·189	35	·202	36	·216	37	·230	38
$ \begin{array}{c c} 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \\ 14 \end{array} $	·158	31	·170	32	·183	33	·196	35	·209	36	·223	37
	·152	29	·164	30	·176	32	·189	33	·203	34	·216	35
	·145	27	·157	29	·170	30	·182	31	·196	32	·210	33
	·138	26	·150	27	·163	28	·176	29	·189	31	·203	32
$ \begin{array}{c c} 14\frac{1}{2} \\ 15 \\ 15\frac{1}{2} \\ 16 \end{array} $	·132	24	·144	25	·156	27	·169	28	·183	29	·197	30
	·125	22	·137	24	·150	25	·163	26	·176	27	·190	29
	·119	21	·131	22	·143	23	·156	25	·169	26	·183	27
	·112	19	·124	21	·137	22	·149	23	·163	25	·177	26
$ \begin{array}{c c} 16\frac{1}{2} \\ 17 \\ 17\frac{1}{2} \\ 18 \end{array} $	·106	18	·118	19	·130	21	·143	22	·156	23	·170	24
	·099	16	·111	18	·123	19	·136	21	·150	22	·163	23
	·092	15	·104	16	·117	18	·130	19	·143	20	·157	22
	·086	14	·098	15	·110	17	·123	18	·136	19	·150	20
$ \begin{array}{c c} 18\frac{1}{2} \\ 19 \\ 19\frac{1}{2} \\ 20 \end{array} $	·079	12	·091	14	·104	15	·116	17	·130	18	·144	19
	·073	11	·085	13	·097	14	·110	15	·123	17	·137	18
	·066	10	·078	11	·090	13	·103	14	·117	16	·130	17
	·059	9	·071	10	·084	12	·097	13	·110	14	·124	16
$ \begin{array}{c c} 20\frac{1}{2} \\ 21 \\ 21\frac{1}{2} \\ 22 \end{array} $	•053	8	·065	9	·077	11	·090	12	·103	13	·117	15
	•046	7	·058	8	·071	10	·083	11	·097	12	·110	13
	•040	6	·052	7	·064	8	·077	10	·090	11	·104	12
	•033	4	·045	6	·057	7	·070	9	·083	10	·097	11
22½	•027	3	·038	4	·051	6	·064	8	·077	9	·091	10
23	•020	2	·032	4	·044	5	·057	7	·070	8	·084	10
23½	•013	2	·025	3	·038	5	·050	6	·064	. 7	·077	9
24	•007	1	·019	2	·031	4	·044	5	·057	6	·071	8
24½ 25	•001	0	·012 ·005	0	·024 ·018	3 2	·037 ·030	3	·050 ·044	6 5	·064 ·057	7 6

eit.			DEGREES	OF T	HE WET	BULB	THERM	OMETEI	R.—FAHR	ENHEI	T.	1
ahren	53	0	54	ľo	55	0	56	90	57	70	58	0
t — t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1/2 1 1/2 1 1/2	·403	100	·418	100	·433	100	·449	100	·466	100	·483	100
	·396	96	·411	97	·427	97	·443	97	·459	97	·476	97
	·390	93	·405	94	·420	94	·436	94	·452	94	·469	94
	·383	90	·398	90	·413	90	·429	91	·446	91	·462	91
$ \begin{array}{c c} 2 \\ 2\frac{1}{2} \\ 3 \\ 3\frac{1}{2} \end{array} $	•376	87	·391	87	·407	87	·423	88	·439	88	·456	88
	•370	84	·385	84	·400	84	·416	85	·433	85	·449	85
	•363	81	·378	81	·394	82	·410	82	·426	82	·442	83
	•357	78	·372	78	·387	79	·403	79	·419	80	·436	80
4	•350	75	·365	76	•380	76	•396	76	·413	77	·429	77
4½	•343	72	·358	73	•374	73	•390	74	·406	74	·422	75
5	•337	70	·352	70	•367	71	•383	71	·399	72	·416	72
5½	•330	67	·345	68	•360	68	•376	69	·392	69	·409	70
$\begin{bmatrix} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \end{bmatrix}$	•323	65	·338	65	·354	66	•370	66	·386	67	·403	67
	•317	62	·332	63	·347	64	•363	64	·379	65	·396	65
	•310	60	·325	61	·340	61	•356	62	·373	62	·389	63
	•304	57	·319	58	·334	59	•350	60	·366	60	·383	61
8	·297	55	·312	56	·327	57	·343	57	·359	58	•376	59
8½	·290	53	·305	54	·321	55	·337	55	·353	56	•369	56
9	·284	51	·299	52	·314	53	·330	53	·346	54	•362	55
9½	·277	49	·292	50	·307	51	·323	51	·340	52	•356	53
$ \begin{array}{c c} 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array} $	·270	47	·285	48	·301	49	•316	49	·333	50	•349	51
	·264	45	·279	46	·294	47	•310	48	·326	48	•343	49
	·257	43	·272	44	·287	45	•303	46	·319	47	•336	47
	·251	41	·265	42	·281	43	•296	44	·313	45	•329	46
$ \begin{array}{c c} 12 \\ 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \end{array} $	·244	39	·259	40	·274	41	·290	42	·306	43	·323	44
	·237	38	·252	39	·268	40	·283	41	·300	41	·316	42
	·231	36	·246	37	·261	38	·277	39	·293	40	·309	41
	·224	34	·239	35	·254	36	·270	37	·286	38	·303	89
$ \begin{array}{c c} 14 \\ 14\frac{1}{2} \\ 15 \\ 15\frac{1}{2} \end{array} $	·218	33	·232	34	·248	35	·263	36	·280	37	·296	38
	·211	31	·226	32	·241	33	·257	34	·273	35	·289	36
	·204	30	·219	31	·234	32	·250	33	·266	34	·283	35
	·198	28	·212	29	·228	30	·243	31	·259	32	·276	33
$ \begin{array}{c c} 16 \\ 16 \\ \hline 17 \\ 17 \\ \hline 17 \\ \hline 2 \end{array} $	·191	27	·206	28	·221	29	·237	30	·253	31	·270	32
	·184	25	·199	27	·214	28	·230	29	·246	30	·263	31
	·178	24	·193	25	·208	26	·223	27	·240	28	·256	29
	·171	23	·186	24	·201	25	·217	26	·233	27	·249	28
$ \begin{array}{ c c c c c } \hline 18 \\ 18\frac{1}{2} \\ 19 \\ 19\frac{1}{2} \\ \hline 20 \\ \end{array} $	·165	22	·179	23	·195	24	·210	25	·226	26	·243	27
	·158	20	·173	22	·188	23	·204	24	·220	25	·236	26
	·151	19	·166	20	·181	22	·197	23	·213	24	·229	25
	·145	18	·160	19	·175	20	·190	21	·207	22	·223	23
$ \begin{array}{c c} 20 \\ 20\frac{1}{2} \\ 21 \\ 21\frac{1}{2} \\ 22 \end{array} $	·138 ·131 ·125 ·118 ·112	17 16 15 14	·153 ·146 ·139 ·133 ·126	18 17 16 15	·168 ·161 ·155 ·148 ·141	19 18 17 16	·183 ·177 ·170 ·164	20 19 18 17	·200 ·193 ·186 ·180	21 20 19 18	•216 •210 •203 •196	22 21 20 19
22 22½ 23 23½ 24	·112 ·105 ·098 ·092 ·085	13 12 11 10 9	·126 ·120 ·113 ·106 ·100	14 13 12 11 10	·141 ·135 ·128 ·122 ·115	15 14 13 12 12	·157 ·150 ·144 ·137 ·131	16 15 14 14 14	·173 ·167 ·160 ·153 ·147	17 16 16 15	•190 •183 •176 •169	18 18 17 16 15
$\begin{bmatrix} 24\\24\frac{1}{2}\\25\end{bmatrix}$	·079 ·072	8 7	·093 ·086	10 10 9	·108 ·101	11 11 10	·124 ·117	12 12 11	·147 ·140 ·133	14 13 12	•163 •156 •150	15 14 13

eit.		I	EGREES	OF TI	IE WET	BULB	THERMO	METER	R.—FAHR	ENHEL	r.	
ahren	59	0	60	0	61	lo	62	2°	68	80	64	f _o
t — V Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.										
0° 1/2 1 1/2	•500	100	·518	100	·537	100	•556	100	·576	100	•596	100
	•493	97	·511	97	·530	97	•549	97	·569	97	•590	97
	•487	94	·505	94	·523	94	•543	94	·563	94	•583	94
	•480	91	·498	91	·517	91	•536	92	·556	92	•576	92
$\begin{array}{c c} 2 \\ 2\frac{1}{2} \\ 3 \\ 3\frac{1}{2} \end{array}$	·473	88	·491	88	·510	88	·529	89	·549	89	·570	89
	·466	85	·485	86	·503	86	·523	86	·542	87	·563	87
	·460	83	·478	83	·497	83	·516	84	·536	84	·556	84
	·453	80	·471	81	·490	81	·509	81	·529	82	·550	82
$ \begin{array}{c c} 4 \\ 4\frac{1}{2} \\ 5 \\ 5\frac{1}{2} \end{array} $	·446	77	·464	77	·483	78	:502	78	·522	79	·543	79
	·440	75	·458	75	·476	75	:496	77	·516	77	·536	77
	·433	73	·451	73	·470	73	:489	75	·509	75	·529	75
	·427	71	·444	71	·463	71	:483	72	·502	72	·523	72
$\begin{bmatrix} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \\ \end{bmatrix}$	·420	68	·438	68	·457	69	·476	69	·496	70	·516	70
	·413	66	·431	66	·450	67	·469	67	·490	68	·509	68
	·407	63	·425	64	·443	65	·462	65	·482	66	·503	66
	·400	61	·418	62	·437	63	·456	63	·476	64	·496	64
8 8½ 9 9½	•393 •386 •380 •373	59 57 56 54	·411 ·405 ·398 ·391	58 56 54	·430 ·423 ·416 ·410	61 59 57 55	·449 ·442 ·436 ·429	61 59 57 55	·469 ·462 ·455 ·449	62 60 58 56	·489 ·483 ·476 ·469	62 61 59 57
$ \begin{array}{c c} 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array} $	•367	52	•385	53	·403	54	·422	54	·442	55	·463	56
	•360	50	•378	51	·397	52	·416	52	·436	53	·456	54
	•353	48	•371	49	·390	50	·409	50	·429	51	·449	52
	•347	46	•365	47	·383	48	·402	49	·422	49	·443	50
$ \begin{array}{c c} 12 \\ 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \end{array} $	•340	45	•358	46	·376	47	•396	48	·415	48	·436	49
	•333	43	•351	44	·370	45	•389	46	·409	46	·429	47
	•327	42	•345	42	·363	43	•382	44	·402	45	·422	46
	•320	40	•338	41	·356	42	•376	42	·395	43	·416	44
14	•313	39	•331	39	·350	40	•369	41	·389	42	·409	43
14½	•306	37	•324	38	·343	39	•362	40	·382	40	·402	41
15	•300	36	•318	37	·336	37	•356	38	·375	39	·396	40
15½	•293	35	•311	35	·330	36	•349	37	·369	38	·389	39
$ \begin{array}{ c c c c } \hline 16 \\ 16 \\ 17 \\ 17 \\ \hline 17 \\ \hline 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	·287 ·280 ·273 ·267	33 32 30 29	·305 ·298 ·291 ·285	34 33 31 30	·323 ·316 ·310 ·303	35 34 32 31	•342 •336 •329 •322	36 34 33 32	•362 •355 •349 •342	36 35 34 33	·382 · 376 · 369 · 362	37 36 35 34
18	·260	28	·278	29	·296	30	·315	31	·335	32	·355	32
18½	·253	27	·271	28	·290	29	·309	30	·328	30	·349	31
19	·247	26	·264	27	·283	28	·302	28	·322	29	·342	30
19½	·240	25	·258	26	·276	26	·295	27	·315	28	·335	29
$ \begin{array}{c c} 20 \\ 20\frac{1}{2} \\ 21 \\ 21\frac{1}{2} \end{array} $	·234	23	·251	24	·270	25	·289	26	·308	27	·329	28
	·227	22	·245	23	·263	24	·282	25	·302	26	·322	27
	·220	21	·238	22	·256	23	·275	24	·295	25	·315	26
	·213	20	·231	21	·250	22	·269	23	·288	24	·309	25
22	·207	19	·225	21	·243	22	·262	22	·282	23	•302	24
22½	·200	19	·218	20	·236	21	·255	22	·275	22	•295	23
23	·193	18	·211	19	·230	20	·249	21	·268	22	•289	22
23½	·187	17	·205	18	·223	19	·242	20	·262	21	•282	22
24	·180	16	·198	17	·216	18	·234	19	·255	20	·275	21
24½	·173	15	·191	16	·209	17	·228	18	·248	19	·268	20
25	·167	14	·185	15	·203	16	·222	17	·241	18	·262	19

eit.		D	EGREES	OF TH	IE WET	BÙLB !	THERMO	METER	-FAHR	ENHEIT	:	
— t' Fahrenheit.	65	0	66	0	67	ro	68	0	69	0	70	0
t — t' I	Force of Vapor, in inches.	Relative Humidity.										
0° 1 1 1 1 1 1 2	·618	100	·639	100	·662	100	•685	100	·708	100	·733	100
	·611	97	·633	97	·655	97	•678	97	·702	97	·726	97
	·604	94	·626	95	·648	95	•671	95	·695	95	·720	95
	·598	92	·619	92	·642	92	•665	92	·688	92	·713	92
2 21 21 3 31 31	•591 •584 •577 •571	89 87 85 82	·612 ·606 ·599 ·592	90 88 85 83	·635 ·628 ·621 ·615	90 88 85 83	·658 ·651 ·644 ·638	90 88 86 83	·682 ·675 ·668 ·662	90 88 86 83	·706 ·700 ·693 ·686	90 88 85 83
4	•564	79	•586	80	·608	80	·631	81	·655	81	·680	81
4½	•557	77	•579	78	·601	78	·624	79	·648	79	·673	79
5	•551	75	•572	76	·595	76	·617	77	·641	77	·666	77
5½	•544	73	•566	74	·588	74	·611	75	·635	75	·659	75
$\begin{array}{c c} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \end{array}$	•537	71	·559	72	·581	72	·604	73	·628	73	•652	73
	•530	69	·552	70	·574	70	·597	71	·621	71	•646	71
	•524	66	·545	67	·568	67	·591	68	·614	68	•639	69
	•517	64	·539	65	·561	65	·584	66	·608	67	•632	67
8	•510	63	·532	63	•554	64	·577	64	·601	65	·626	65
8½	•504	61	·525	61	•548	62	·571	63	·594	63	·619	64
9	•497	59	·519	60	•541	60	·564	61	·588	62	·612	62
9½	•490	58	·512	58	•534	59	·557	59	·581	60	·606	60
$ \begin{array}{ c c c } 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array} $	·484	56	·505	56	·527	57	·550	58	·574	58	-599	59
	·477	54	·498	55	·521	55	·544	56	·567	57	-592	57
	·470	52	·492	53	·514	54	·537	54	·561	55	-585	56
	·463	51	·485	52	·507	52	·530	53	·554	53	-578	54
$ \begin{array}{c c} 12 \\ 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \end{array} $	·457	49	·478	50	·501	51	•523	51	·547	52	•572	52
	·450	48	·472	48	·494	49	•517	50	·541	50	•565	51
	·443	46	·465	47	·487	48	•510	48	·534	49	•558	50
	·437	45	·458	46	·481	46	•503	47	·527	48	•552	48
14	·430	43	·452	44	·474	45	•497	45	·520	46	•545	47
14½	·423	42	·445	43	·467	43	•490	44	·514	45	•538	45
15	·417	41	·438	41	·460	42	•483	43	·507	43	•531	44
15½	·410	39	·432	40	·454	41	•476	42	·500	42	•525	43
$ \begin{array}{ c c c } & 16 \\ & 16\frac{1}{2} \\ & 17 \\ & 17\frac{1}{2} \end{array} $	·403	38	·425	39	·447	40	•470	40	·493	41	·518	42
	·396	37	·417	38	·440	38	•463	39	·487	40	·511	41
	·390	36	·410	36	·433	37	•456	38	·480	39	·504	39
	·383	34	·404	35	·427	36	•450	37	·473	38	·498	38
$ \begin{array}{ c c c c } & 18 \\ & 18\frac{1}{2} \\ & 19 \\ & 19\frac{1}{2} \end{array} $	•376	33	•397	34	·420	35	•443	36	·467	36	·491	37
	•370	32	•390	33	·413	34	•436	35	·460	35	·484	36
	•363	31	•384	32	·407	33	•429	33	·453	34	·478	35
	•356	30	•377	31	·400	32	•423	32	·446	33	·471	34
$ \begin{array}{ c c c c c } 20 \\ 20 \\ 21 \\ 21 \\ 21 \\ 2 \end{array} $	·350	29	·371	30	·393	31	•416	31	·440	32	·464	33
	·343	28	·364	29	·386	30	•409	30	·433	31	·457	32
	·336	27	·358	28	·380	29	•403	29	·426	30	·451	31
	·330	26	·351	27	·373	28	•396	29	·419	29	·444	30
$ \begin{array}{c c} 22 \\ 22\frac{1}{2} \\ 23 \\ 23\frac{1}{2} \end{array} $	•323	25	•344	26	•366	27	•389	28	·413	28	·437	29
	•316	24	•338	25	•360	26	•382	27	·406	28	·430	28
	•309	24	•331	24	•353	25	•376	26	·399	27	·424	27
	•303	23	•324	23	•346	24	•369	25	·393	26	·417	27
24 241 25 25	·296 ·289 ·283	22 21 20	·317 ·311 ·804	23 22 21	·340 ·333 ·326	23 23 22	·362 ·356 ·349	24 23 22	•386 •379 •372	25 24 23	·410 ·404 ·397	26 25 24

neit.		D	EGREES	OF TH	E WET	BULB '	THERMO	METER	.—FAHR	ENHEI		
— t' Fahrenheit.	71	Lo	72	90	78	80	74	Į°	75	0	70	30
t-t1	Force of Vapor, in inches.	Relative Humidity.										
0° 1/2 1 11/2	·759	100	·785	100	·812	100	·839	100	*868	100	·897	100
	·752	98	·778	98	·805	98	·833	98	*861	98	·890	98
	·745	95	·771	95	·798	95	·826	95	*854	95	·884	95
	·739	93	·765	93	·792	93	·819	93	*847	93	·877	93
2 2 2 2 3 3 3 3 2 2	·732 ·725 ·718 ·712	90 88 86 83	·758 ·751 ·745 ·738	90 88 86 84	·785 ·778 ·772 ·765	90 88 86 84	·812 ·805 ·799 ·792	91 88 86 84	·841 ·834 ·827 ·820	91 88 86 84	-870 -863 -856 -850	91 89 87 85
4	•705	81	·731	81	·758	82	·785	82	·813	82	-843	83
4½	•698	79	·725	79	·751	80	·778	80	·807	80	-836	81
5	•691	77	·717	77	·744	78	·772	78	·800	78	-829	79
5½	•685	75	·711	75	·738	76	·765	76	·793	76	-823	77
$\begin{array}{c c} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \end{array}$	·678	73	·704	73	·731	74	·758	74	·787	74	·816	75
	·671	71	·697	71	·724	72	·751	72	·780	73	·809	74
	·664	69	·691	69	·717	70	·745	70	·773	71	·802	72
	·658	67	·684	67	·711	68	·738	69	·766	69	·795	70
8	·651	66	·677	66	·704	66	·731	67	·759	67	·789	68
8½	·644	64	·670	64	·697	65	·724	65	·753	66	·782	67
9	·638	62	·664	62	·691	63	·717	64	·746	64	·775	65
9½	·631	61	·657	61	·684	61	·711	62	·739	62	·768	63
$ \begin{array}{ c c c c } \hline 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array} $	·624	59	·650	59	·677	60	·704	60	·733	61	·762	62
	·617	58	·643	58	·670	58	·698	59	·726	59	·755	60
	·610	56	·637	56	·663	57	·691	57	·719	58	·748	59
	·604	54	·630	54	·657	55	·684	56	·712	56	·741	57
$ \begin{array}{c c} 12 \\ 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \end{array} $	·597	53	·623	53	·650	54	·677	54	·705	55	·735	56
	·590	51	·616	51	·643	52	·670	53	·699	54	·728	55
	·584	50	·610	50	·637	51	·664	52	·692	52	·721	53
	·577	49	·603	49	·630	50	·657	50	·685	51	·714	52
$ \begin{array}{ c c c } & 14 \\ & 14\frac{1}{2} \\ & 15 \\ & 15\frac{1}{2} \end{array} $	·570	47	·596	47	·623	48	·650	49	·678	50	·707	51
	·564	46	·590	46	·616	47	·643	48	·671	48	·701	49
	·557	45	·583	45	·609	46	·637	47	·665	47	·694	48
	·550	43	·576	43	·603	45	·630	45	·658	46	·687	47
$ \begin{array}{ c c c c } \hline 16 \\ 16\frac{1}{2} \\ 17 \\ 17\frac{1}{2} \end{array} $	·543	42	•569	42	•596	43	·623	44	·651	45	·680	46
	·536	41	•562	41	•589	42	·616	43	·645	44	·674	45
	·530	40	•556	40	•582	41	·610	42	·638	42	·667	43
	·523	39	•549	39	•576	40	·603	41	·631	41	·660	42
$ \begin{array}{c c} 18 \\ 18\frac{1}{2} \\ 19 \\ 19\frac{1}{2} \end{array} $	•516	38	•542	38	•569	39	•596	40	·624	40	·653	41
	•510	37	•536	37	•562	38	•589	39	·617	39	·646	40
	•503	36	•529	36	•556	37	•582	38	·611	38	·640	39
	•496	35	•522	35	•549	36	•576	37	·603	37	·633	38
$\begin{array}{ c c c } 20 \\ 20\frac{1}{2} \\ 21 \\ 21\frac{1}{2} \end{array}$	·489	34	·515	34	•542	35	•569	36	·597	36	·626	37
	·482	33	·508	33	•535	34	•562	35	·591	35	·620	36
	·476	32	·502	32	•528	33	•556	34	·584	34	·613	35
	·469	31	·495	31	•522	32	•549	33	·577	33	·606	34
$\begin{array}{ c c c }\hline 22 \\ 22\frac{1}{2} \\ 23 \\ \hline 23\frac{1}{2} \\ \hline \end{array}$	·462	30	·488	31	·515	31	·542	32	·570	33	•599	33
	·456	29	·482	30	·508	30	·535	31	·563	32	•592	32
	·449	28	·475	29	·502	29	·528	30	·557	31	•586	31
	·442	27	·468	28	·495	28	·522	29	·550	30	•579	30
24	·436	26	•461	27	·488	28	·515	28	·543	29	•572	29
24½	·429	26	•455	26	·481	27	·508	27	·536	28	•565	28
25	·422	25	•448	25	·474	26	·502	26	·530	27	•559	27

leit.		is ki I	EGREES	OF TI	IE WET	BULB	THERMO	METEI	R.—FAHR	ENHEI	r.	
- V Fabrenheit.	77	yo	78	0	79	79° 80°		81	0	82	20	
t-t	Force of Vapor, in inches.	Relative Humidity.										
0° 1/2 1 1/2	·927	100	-958	100	·990	100	1.023	100	1.057	100	1.092	100
	·920	98	-951	98	·984	98	1.017	98	1.050	98	1.085	98
	·914	95	-945	95	·977	96	1.010	96	1.044	96	1.079	96
	·907	93	-938	93	·970	93	1.003	93	1.037	93	1.072	94
2	·900	91	·931	91	·963	91	•996	91	1.030	91	1.065	91
2½	·893	89	·924	89	·956	89	•989	89	1.023	89	1.058	89
3	·886	87	·918	87	·950	87	•983	87	1.016	87	1.051	87
3½	·880	85	·911	85	·943	85	•976	85	1.010	85	1.045	86
4	·873	83	·904	83	·936	83	·969	83	1.003	83	1.038	84
4½	·866	81	·897	81	·929	81	·962	81	.996	81	1.031	82
5	·859	79	·891	79	·923	79	·955	79	.989	80	1.024	80
5½	·853	77	·884	77	·916	77	·949	78	.982	78	1.017	78
6	·846	75	·877	75	·909	75	·942	76	•976	76	1.010	76
6½	·839	73	·870	73	·902	74	·935	74	•969	74	1.004	75
7	·832	72	·863	72	·895	72	·928	72	•962	73	.997	73
7½	·825	70	·857	70	·889	70	·921	71	•955	71	.990	71
8	·819	68	·850	68	-882	69	•915	69	•948	69	•983	70
8½	·812	67	·843	67	-875	67	•908	68	•942	68	•976	68
9	·805	65	·836	65	-868	66	•901	66	•935	66	•970	67
9½	·798	63	·829	63	-861	64	•894	64	•928	65	•963	65
$ \begin{array}{c c} 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array} $	·792	62	·823	62	·855	62	·887	63	•921	63	•956	64
	·785	60	·816	60	·848	61	·881	61	•914	62	•949	62
	·778	59	·809	59	·841	60	·874	60	•908	60	•942	61
	·771	57	·802	57	·834	58	·867	59	•901	59	•936	59
$ \begin{array}{ c c c c } \hline 12 \\ 12\frac{1}{2} \\ 13 \\ 13\frac{1}{2} \end{array} $	·764	56	·796	56	·827	57	-860	57	·894	58	·929	58
	·758	55	·789	55	·821	56	-854	56	·887	56	·922	57
	·751	53	·782	53	·814	54	-847	55	·880	55	·915	56
	·744	52	·775	52	·807	53	-840	53	·874	54	·908	54
$ \begin{array}{c c} 14 \\ 14\frac{1}{2} \\ 15 \\ 15\frac{1}{2} \end{array} $	·737	51	·768	51	·800	52	·833	52	·867	53	·902	53
	·731	49	·762	50	·793	50	·826	51	·860	51	·895	52
	·724	48	·755	48	·787	49	·820	50	·853	50	·888	51
	·717	47	·748	47	·780	48	·813	49	·846	49	·881	50
$ \begin{array}{ c c c c } \hline 16 \\ 16\frac{1}{2} \\ 17 \\ 17\frac{1}{2} \end{array} $	·710	46	·741	46	·773	47	·806	47	-840	48	·874	48
	·704	45	·734	45	·766	46	·799	46	-833	47	·867	47
	·697	44	·728	44	·760	45	·792	45	-826	46	·861	46
	·690	42	·721	43	·753	44	·786	44	-819	45	·854	45
18	·683	41	·714	42	·746	43	·779	43	*812	44	·847	44
18½	·676	40	·707	41	·739	42	·772	42	*806	43	·840	43
19	·670	39	·700	40	·732	41	·765	41	•799	42	·833	42
19½	·663	38	·694	39	·726	40	·758	40	•792	41	·827	41
$ \begin{array}{ c c c c c } 20 \\ 20\frac{1}{2} \\ 21 \\ 21\frac{1}{2} \end{array} $	·656	37	·687	38	·719	39	·752	39	·785	40	-820	40
	·649	36	·680	37	·712	38	·745	38	·778	39	-813	39
	·643	36	·673	36	·705	37	·738	37	·772	38	-806	38
	·636	35	·667	35	·698	36	·731	36	·765	87	-799	38
$\begin{array}{ c c c }\hline 22 \\ 22\frac{1}{2} \\ 23 \\ \hline 23\frac{1}{2} \\ \end{array}$	·629	34	·660	34	·692	35	·724	35	·758	36	·793	37
	·622	33	·653	33	·685	34	·718	35	·751	35	·786	36
	·615	32	·646	33	·678	33	·711	34	·744	34	·779	35
	·609	31	·639	32	·671	32	·704	33	·738	34	·772	34
$\begin{bmatrix} 24\\24\frac{1}{2}\\25\end{bmatrix}$	·602	30	·633	31	·664	32	·697	32	·731	33	·765	33
	·595	29	·626	30	·658	31	·690	31	·724	32	·759	32
	·588	28	·619	29	·651	30	·684	30	·717	31	·752	31

heit.		D	EGREES	OF TI	E WET	BULB	THERMO	METER	.—FAHR	ENHEI	c.	
Fahren	83	83°		84°		0	86°		870		88	30
t - t' Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.						
0° 1 1 1 1 1 1 2	1·128	100	1·165	100	1·203	100	1·242	100	1·282	100	1·324	100
	1·121	98	1·158	98	1·196	98	1·235	98	1·275	98	1·317	98
	1·114	96	1·151	96	1·189	96	1·228	96	1·269	96	1·310	96
	1·108	94	1·145	94	1·183	94	1·222	94	1·262	94	1·303	94
2 21 21 3 31 31	1·101 1·094 1·087 1·080	91 90 88 86	1·138 1·131 1·124 1·117	92 90 88 86	1·176 1·169 1·162 1·155	92 90 88 86	1·215 1·208 1·201 1·194	92 90 88 86	1·255 1·249 1·241 1·235	92 90 88 86	1·296 1·290 1·283 1·276	92 90 88 86
4 41 5 51 51	1.074 1.067 1.060 1.053	84 82 80 78	1·111 1·104 1·097 1·090	84 82 80 79	1·149 1·142 1·135 1·128	84 82 80 79	1·188 1·181 1·174 1·167	84 82 81 79	1·228 1·221 1·214 1·207	84 83 81 79	1·269 1·262 1·255 1·248	85 83 81 79
6 61 7 71 71	1.046 1.039 1.033 1.026	77 75 73 72	1.083 1.076 1.070 1.063	77 75 74 72	1·121 1·114 1·108 1·101	77 75 74 72	1·160 1·153 1·146 1·140	77 76 74 72	1·200 1·193 1·187 1·180	78 76 74 73	1·242 1·235 1·228 1·221	78 76 75 73
8	1.019	70	1.056	70	1.094	71	1·133	71	1·173	71	1·214	72
81	1.012	69	1.049	69	1.087	69	1·126	69	1·166	70	1·208	70
9	1.005	67	1.042	67	1.080	68	1·119	68	1·159	68	1·201	69
91	.999	66	1.036	66	1.074	66	1·112	66	1·153	67	1·194	67
10	·992	64	1·029	64	1.066	65	1·105	65	1·145	65	1·187	66
10½	·985	63	1·022	63	1.060	63	1·099	64	1·139	64	1·180	64
11	·978	61	1·015	62	1.053	62	1·092	62	1·132	63	1·173	63
11½	·971	60	1·008	60	1.046	61	1·085	61	1·125	61	1·166	61
12	•965	58	1.001	59	1.039	59	1.078	60	1·118	60	1·159	60
12½	•958	57	.995	58	1.032	58	1.071	58	1·111	59	1·153	59
13½	•951	56	.998	56	1.026	57	1.065	57	1·105	57	1·146	58
13½	•944	55	.981	55	1.019	56	1.058	56	1·098	56	1·139	57
14	·937	54	·974	54	1.012	55	1.051	55	1.091	55	1·132	56
14½	·931	52	·967	53	1.005	53	1.044	54	1.084	54	1·125	54
15	·924	51	·960	52	.998	52	1.037	52	1.077	53	1·118	55
15¾	·917	50	·954	50	.991	51	1.030	51	1.070	52	1·111	55
16	·910	49	·947	49	•985	50	1.023	50	1.063	51	1·105	51
16½	·903	48	·940	48	•978	49	1.017	49	1.057	50	1·098	50
17	·896	47	·933	47	•971	48	1.010	48	1.050	49	1·091	49
17½	·890	46	·926	46	•964	47	1.003	47	1.043	48	1·084	48
18	·883	45	•920	45	·957	46	•996	46	1.036	47	1.077	47 46 48 44
18½	·876	44	•913	44	·951	45	•989	45	1.029	46	1.071	
19	·869	43	•906	48	·944	44	•983	44	1.023	45	1.064	
19½	·862	42	•899	42	·937	43	•976	43	1.016	44	1.057	
20	·855	41	·892	41	•930	42	·969	42	1.009	43	1.050	48
20½	·849	40	·885	40	•923	41	·962	41	1.002	42	1.043	42
21	·842	39	·879	39	•916	40	·955	41	.995	41	1.036	41
21½	·835	38	·872	38	•910	89	·948	40	.988	40	1.029	41
22 22½ 22½ 23 23½	·828 ·821 ·815 ·808	37 36 35 34	·865 ·858 ·851 ·845	38 37 36 35	·903 ·896 ·889 ·882	38 37 37 36	·942 ·935 ·928 ·921	39 38 37 36	·981 ·975 ·967 ·961	39 38 38 37	1.023 1.016 1.009 1.002	40 39 38 37
24 24 ₁ 25	·800 ·794 ·787	34 33 32	·838 ·831 ·824	34 33 33	·862 ·875 ·869 ·862	35 34 33	·914 ·908 ·900	36 35 34	·954 ·947 ·940	36 35 35	•995 •989 •981	37 36 35

belt.		alet 1	DEGREES	OF T	HE WET	BULB	THERM	METEI	R.—FAHR	ENHEI	T.	
- t' Fabrenbeit.	89	89°		0	91	Į°	92	e°	98	80	94	ļ°
t-#1	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.
0° 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.366	100	1·410	100	1·455	100	1.501	100	1.548	100	1.597	100
	1.359	98	1·403	98	1·448	98	1.494	98	1.541	98	1.590	98
	1.352	96	1·396	96	1·441	96	1.487	96	1.535	96	1.583	96
	1.346	94	1·389	94	1·434	94	1.480	94	1.528	94	1.576	94
2	1.339	92	1.382	92	1·427	92	1.473	92	1.521	92	1.569	92
2½	1.332	90	1.375	90	1·420	90	1.466	90	1.514	91	1.562	91
3	1.325	88	1.368	88	1·413	88	1.459	89	1.507	89	1.556	89
3½	1.318	86	1.362	86	1·406	87	1.453	87	1.500	87	1.549	87
4	1.311	85	1.355	85	1.400	85	1·446	85	1·493	85	1.542	85
4½	1.304	83	1.348	83	1.393	83	1·439	83	1·486	84	1.535	84
5	1.298	81	1.341	81	1.386	82	1·432	82	1·479	82	1.528	82
5½	1.291	80	1.334	80	1.379	80	1·425	80	1·473	80	1.521	80
6	1.284	78	1·327	78	1·372	78	1·418	79	1.466	79	1.514	79
6½	1.277	77	1·321	77	1·365	77	1·411	77	1.459	77	1.507	77
7	1.270	75	1·314	75	1·358	75	1·405	75	1.452	76	1.500	76
7½	1.263	73	1·307	74	1·352	74	1·398	74	1.445	74	1.493	74
8	1.256	72	1·300	72	1.345	72	1·391	73	1·438	73	1·487	73
8½	1.249	70	1·293	71	1.338	71	1·384	71	1·431	71	1·480	72
9	1.243	69	1·286	69	1.331	69	1·377	70	1·424	70	1·473	70
9½	1.236	67	1·279	68	1.324	68	1·370	68	1·417	69	1·466	69
10	1·229	66	1·273	66	1.317	67	1.363	67	1·411	67	1·459	67
10½	1·222	65	1·266	65	1.311	65	1.356	65	1·404	66	1·452	66
11	1·215	64	1·259	64	1.304	64	1.350	64	1·397	65	1·445	65
11½	1·208	62	1·252	62	1.297	63	1.343	63	1·390	63	1·439	64
12	1·202	61	1·245	61	1·290	61	1.336	62	1.383	62	1.432	62
12½	1·195	59	1·238	60	1·283	60	1.329	60	1.376	61	1.425	61
13	1·188	58	1·231	59	1·276	59	1.322	59	1.369	60	1.418	60
13½	1·181	57	1·224	57	1·269	58	1.315	58	1.363	59	1.411	59
14	1·174	56	1·217	56	1·262	57	1.308	57	1.356	58	1.404	58
14½	1·167	55	1·211	55	1·255	56	1.301	56	1.349	56	1.397	57
15	1·161	54	1·204	54	1·249	54	1.295	55	1.342	55	1.390	56
15½	1·154	53	1·197	53	1·242	53	1.288	54	1.335	54	1.383	55
16	1·147	51	1·190	52	1·235	52	1·281	53	1·328	53	1·377	54
16½	1·140	50	1·183	51	1·228	51	1·274	52	1·321	52	1·370	53
17	1·133	49	1·176	50	1·221	50	1·267	51	1·314	51	1·363	52
17½	1·126	48	1·170	49	1·214	49	1·260	50	-1·308	50	1·356	51
18	1·119	47	1·163	48	1·207	48	1·253	49	1·301	49	1·349	50
18½	1·112	46	1·156	47	1·200	47	1·246	48	1·294	48	1·342	49
19	1·105	45	1·149	46	1·194	46	1·239	47	1·287	47	1·335	48
19½	1·099	44	1·142	45	1·187	45	1·233	46	1·280	46	1·328	47
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1.092	44	1·135	44	1·180	44	1·226	45	1·273	45	1·321	46
	1.085	43	1·129	43	1·173	44	1·219	44	1·266	44	1·315	45
	1.078	42	1·122	42	1·166	43	1·212	43	1·259	44	1·308	44
	1.071	41	1·115	41	1·159	42	1·205	43	1·253	43	1·301	43
22 22½ 23 23½	1.065 1.058 1.051 1.044	40 39 39 39 38	1·108 1·101 1·094 1·087	41 40 39 38	1·153 1·146 1·139 1·132	41 40 89 39	1·198 1·191 1·185 1·178	42 41 40 39	1·246 1·239 1·232 1·225	42 41 41 40	1·294 1·287 1·280 1·273	43 42 41 40
24	1.037	37	1.080	38	1·125	38	1·171 ·	38	1·218	39	1·266	39
24½	1.030	36	1.073	37	1·118	37	1·164	38	1·211	38	1·259	39
25	1.023	36	1.067	36	1·111	37	1·157	37	1·204	38	1·253	38

	eit.	308	D	EGREES	OF TH	E WET	BULB '	THERMO	METER.	—FAHRI	ENHEIT		A T
	ahrenb	95	•	96	•	97	97° 98°			99	0	100)°
	t — t Fahrenheit.	Force of Vapor, in inches.	Relative Humidity.										
	0° 1/2 1 11/2	1.647 1.640 1.633 1.626	100 98 96 94	1.698 1.691 1.684 1.677	100 98 96 94	1.751 1.744 1.787 1.780	100 98 96 94	1.805 1.798 1.791 1.784	100 98 96 95	1.861 1.854 1.847 1.840	100 98 96 95	1.918 1.911 1.904 1.897	100 98 96 95
	2 2½ 3 3½	1.619 1.612 1.605 1.598	92 90 89 87	1.671 1.664 1.657 1.650	92 90 89 87	1·723 1·716 1·709 1·703	92 90 89 87	1·777 1·770 1·764 1·757	93 91 90 88	1.833 1.826 1.819 1.812	93 91 90 88	1.890 1.883 1.876 1.870	93 91 90 88
	4 4½ 5 5½	1.592 1.585 1.578 1.571	85 83 82 80	1.643 1.636 1.629 1.622	85 83 82 80	1.696 1.689 1.682 1.675	85 83 82 80	1·750 1·743 1·736 1·729	86 84 83 81	1.805 1.799 1.791 1.785	86 84 83 81	1.863 1.857 1.849 1.842	86 84 83 81
	$\begin{array}{c} 6 \\ 6\frac{1}{2} \\ 7 \\ 7\frac{1}{2} \end{array}$	1.564 1.557 1.550 1.543	78 77 75 73	1.615 1.608 1.602 1.595	78 77 76 74	1.668 1.661 1.654 1.647	78 77 76 74	1.722 1.715 1.708 1.701	79 78 77 75	1.778 1.771 1.764 1.757	79 78 77 76	1.835 1.828 1.821 1.814	79 78 77 76
	8 8½ 9 9½	1.536 1.530 1.523 1.517	72 71 70 69	1.588 1.581 1.574 1.567	73 71 70 69	1.640 1.633 1.627 1.620	73 71 70 69	1.694 1.688 1.681 1.674	74 72 71 70	1.750 1.743 1.736 1.729	74 73 72 70	1.807 1.800 1.793 1.786	74 73 72 70
	$ \begin{array}{c} 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array} $	1.509 1.502 1.495 1.488	68 66 65 63	1.560 1.553 1.546 1.539	68 66 65 63	1.613 1.606 1.599 1.592	68 66 65 64	1.667 1.660 1.653 1.646	69 67 66 64	1.722 1.715 1.708 1.702	69 67 66 65	1.779 1.772 1.766 1.759	69 67 66 65
	$ \begin{array}{c} 12 \\ 12 \\ 13 \\ 13 \\ \end{array} $	1·481 1·474 1·468 1·461	62 61 60 59	1.532 1.526 1.519 1.512	62 61 60 59	1.585 1.578 1.571 1.564	63 62 61 60	1.639 1.632 1.625 1.618	63 62 61 60	1.695 1.688 1.681 1.674	64 63 62 61	1.752 1.745 1.738 1.731	64 63 62 61
	14 14½ 15 15½	1·454 1·447 1·440 1·433	58 57 56 55	1.505 1.498 1.491 1.484	58 57 56 55	1.558 1.551 1.544 1.537	59 58 57 56	1.611 1.605 1.598 1.591	59 58 57 56	1.667 1.660 1.653 1.646	60 59 58 57	1.724 1.717 1.710 1.703	60 59 58 57
	$ \begin{array}{ c c c c } \hline 16 \\ 16\frac{1}{2} \\ 17 \\ 17\frac{1}{2} \\ \hline \end{array} $	1.426 1.419 1.412 1.405	54 53 52 51	1·477 1·470 1·464 1·457	54 53 52 51	1.530 1.523 1.516 1.509	55 54 53 52	1.584 1.577 1.570 1.563	55 54 53 52	1.639 1.632 1.625 1.619	56 55 54 53	1.696 1.689 1.682 1.676	56 55 54 53
The Park	18 18½ 19 19½	1·399 1·392 1·385 1·378	50 49 48 47	1·450 1·443 1·436 1·429	50 49 48 47	1.502 1.495 1.488 1.482	51 50 49 48	1.556 1.549 1.542 1.535	52 51 50 49	1.612 1.605 1.598 1.591	52 51 50 49	1.669 1.662 1.655 1.648	53 52 51 50
	$\begin{array}{ c c c } 20 \\ 20\frac{1}{2} \\ 21 \\ 21\frac{1}{2} \end{array}$	1·371 1·364 1·357 1·350	44	1·422 1·415 1·408 1·401	47 46 45 44	1·475 1·468 1·461 1·454	47 46 45 44	1.528 1.522 1.515 1.508	48 47 46 45	1.584 1.577 1.570 1.563	48 47 46 46	1.641 1.634 1.627 1.620	49 48 47 46
	22 22½ 23 23½	1·330 1·323	43 42 42	1·395 1·388 1·381 1·374	44 43 42 42	1·447 1·440 1·433 1·426	44 43 42 42	1.501 1.494 1.487 1.480	43 42	1.556 1.549 1.542 1.536	45 44 43 43	1.613 1.606 1.599 1.593	46 45 44 43
	24 24½ 25	1·316 1·309 1·302	40	1.360	41 40 39	1·420 1·413 1·406	41 40 39	1.473 1.466 1.459	42 41 40	1.529 1.522 1.515	42 41 40	1.586 1.579 1.572	43 42 41

- t' Fabrenheit.	10	L°	109	2°	103° 104°			10	5°	106°		
t-t/1	Force of Vapor, in inches.	Relative Humidity.										
00	1.977	100 98	2.037	100 98	2·098 2·092	100 98	2·162 2·155	100 98	2.226	100	2.293	100
1 1	1.963	96	2.023	96	2.085	96	2.148	96				
11/2	1.956	95	2.016	95	2.078	95	2.141	95				••••
$\begin{vmatrix} 2\\2\frac{1}{2}\end{vmatrix}$	1.949	93 91	2.009	93 91	2.071	93 91	2·134 2·127	93 91		*****		****
3	1.935	90	1.995	90	2.057	90	2.120	90				
$3\frac{1}{2}$	1.928	88	1.989	88	2.050	88	2.113	88				
4	1.921	86 84	1.982	86 84	2.043	87	2.106	87 85		•••••		
5	1.907	83	1.967	83	2.030	84 83	2.099	84		******		
51	1.900	82	1.960	82	2.022	82	2.085	82				
6	1.893	80	1.954	80	2.015	80	2.078	81				
$\frac{6\frac{1}{2}}{7}$	1.887	79 78	1.947	79 78	2.008	79 78	2.071	79 78				
71	1.873	76	1.933	76	1.994	77	2.057	77				
'8	1.866	75	1.926	75	1.988	75	2.050	75				
81/9	1.859	74	1.919	74	1.981	74	2.043	74				••••
91	1.845	72 71	1.905	72 71	1.967	72 71	2.036	73 71		*****		****
10	1.838	69	1.898	70	1.960	70	2.022	70				
$10\frac{1}{2}$	1.831	68	1.891	69	1.953	69	2.015	69				
$\frac{11}{11\frac{1}{2}}$	1.824	67	1.884	67 66	1.946	68	2.008	68				••••
12	1.810	65	1.870	65	1.932	65	1.994	66			•••••	****
121	1.803	64	1.863	64	1.925	64	1.987	65			******	
13	1.796	62	1.857	63	1.918	63	1.980	63				
13½ 14	1.790	61	1.850	62	1.911	62	1.973	62		*****		••••
141	1.776	59	1.836	60	1.897	60	1.966	60				
15	1.769	58	1.829	59	1.890	59	1.952	59				
151	1.762	57	1.822	58	1.883	58	1.945	58		******		••••
16 161	1.755	56	1.815	57 56	1.876	57 56	1.938	57 56		******		••••
17	1.741	54	1.801	55	1.862	55	1.924	55				
$17\frac{1}{2}$	1.734	53	1.794	54	1.856	54	1.917	55				
18 18‡	1.727	52 52	1.787	53 52	1.849	53	1.910	54 53	******			••••
19	1.713	51	1.778	51	1.835	52	1.896	52				
191	1.706	50	1.766	50	1.828	51	1.889	51				
20	1.699	49	1.759	49	1.821	50	1.882	50			•••••	
$\frac{20\frac{1}{2}}{21}$	1.692	48	1.752	48	1.814	49	1.875	49			******	****
211	1.679	47	1.738	47	1.800	48	1.861	48				
22	1.672	46	1.732	46	1.793	47	1.854	47				
$\frac{22\frac{1}{2}}{23}$	1.665	45	1.725	45	1.786	46	1.847	46		•••••	•••••	
231	1.651	43	1.711	44	1.772	45	1.833	45			******	
24	1.644	43	1.704	43	1.765	44	1.826	44				
241	1.637	42	1.697	42	1.759	43	1.819	43				

beit.	DEGREES OF THE WET BULB THERMOMETER.—FAHRENHEIT.												
t' Fahrenheit	107°		107° 108°		10	109°		110°		· 111°		112°	
t-1	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative Humidity.	Force of Vapor, in inches.	Relative	
00	2.360	100	2.429	100	2.500	100	2.572	100	2.646	100	2.721	100	