

TABLE 1. CLIMATIC CONDITIONS COMPILED FROM WEATHER BUREAU RECORDS^a

Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G
State	City	Normal Temperature, Oct. 1-May 1	Lowest Temperature Ever Reported	Average Annual Minimum Temperature ^b	Average Wind Velocity, Dec., Jan., Feb., Miles per Hour	Direction of Prevailing Wind, Dec., Jan., Feb.
Alabama	Birmingham	53.8	-10	12	8.0	N
	Mobile	58.9	-1	22	10.2	N
Arizona	Flagstaff	35.8	-30	-15	7.8	SW
	Phoenix	59.5	16	26	5.3	E
Arkansas	Fort Smith	50.4	-15	6	8.1	E
	Little Rock	51.6	-12	10	8.3	NW
California	Los Angeles	58.5	28	37	6.3	NE
	San Francisco	54.2	27	37	7.5	N
Colorado	Denver	38.9	-29	-11	7.5	S
	Grand Junction	38.9	-21	-2	4.3	S
Connecticut	New Haven	38.4	-15	-1	9.5	N
District of Col.	Washington	43.4	-15	-1	7.9	NW
Florida	Jacksonville	62.0	10	29	9.1	NE
Georgia	Atlanta	51.5	-8	12	11.4	NW
	Savannah	58.5	8	22	9.5	NW
Idaho	Lewiston	42.3	-23	1	5.3	E
	Pocatello	35.7	-28	-12	9.3	SE
Illinois	Chicago	36.4	-23	-8	12.5	W
	Springfield	39.8	-24	-7	12.1	NW
Indiana	Evansville	45.1	-16	1	9.8	S
	Indianapolis	40.3	-25	-6	11.5	S
Iowa	Dubuque	33.9	-32	-17	7.1	NW
	Sioux City	32.6	-35	-20	11.6	NW
Kansas	Concordia	39.8	-25	-13	7.7	N
	Dodge City	41.4	-26	-10	10.3	NW
Kentucky	Louisville	45.3	-20	-5	9.9	SW
Louisiana	New Orleans	61.6	7	26	8.7	NE
	Shreveport	56.2	-5	16	8.1	SE
Maine	Eastport	31.5	-23	-15	12.6	NW
	Portland	33.8	-21	-6	9.2	NW
Maryland	Baltimore	43.8	-7	8	8.1	SW
Massachusetts	Boston	38.1	-18	-3	11.2	W
Michigan	Alpena	29.6	-28	-12	11.0	W
	Detroit	35.8	-24	-11	12.7	SW
	Marquette	28.3	-27	-13	10.8	NW
Minnesota	Duluth	24.3	-41	-28	13.5	SW
	Minneapolis	29.4	-34	-23	11.3	NW
Mississippi	Vicksburg	56.8	-1	18	8.3	SE
Missouri	St. Joseph	39.5	-24	-12	9.3	W
	St. Louis	43.6	-22	-2	11.7	S
	Springfield	44.3	-29	-5	10.9	SE
Montana	Billings	34.3	-49	-30	11.9	SW
	Havre	27.6	-57	-36	9.5	SW
Nebraska	Lincoln	37.0	-29	-13	10.7	S
	North Platte	35.4	-35	-17	8.3	S
Nevada	Tonopah	39.7	-15	-2	10.0	SE
	Winnemucca	37.9	-36	-10	8.2	NE
New Hampshire	Concord	33.3	-35	-15	6.6	NW
New Jersey	Atlantic City	41.6	-9	6	15.6	NW
New York	Albany	35.2	-24	-11	8.4	S
	Buffalo	34.8	-20	-4	17.2	W
	New York	40.7	-14	-3	16.7	NW
New Mexico	Santa Fe	38.3	-13	0	7.8	NE
North Carolina	Raleigh	50.0	-2	13	7.9	SW
	Wilmington	54.3	5	18	8.1	W
North Dakota	Bismarck	24.6	-45	-31	9.0	NW
	Devils Lake	20.3	-46	-33	10.4	W
Ohio	Cleveland	37.2	-17	-2	15.0	SW
	Columbus	39.9	-20	-3	11.6	SW

TABLE 1. CLIMATIC CONDITIONS COMPILED FROM WEATHER BUREAU RECORDS^a—
(Concluded)

Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G
State or Province	City	Normal Temperature, Oct. 1-May 1	Lowest Temperature Ever Reported	Average Annual Minimum Temperature ^b	Average Wind Velocity, Dec., Jan., Feb., Miles per Hour	Direction of Prevailing Wind, Dec., Jan., Feb.
Oklahoma	Oklahoma City	47.9	-17	2	11.8	NW
Oregon	Baker	35.2	-25	-17	6.8	SE
	Portland	46.1	-2	18	7.4	S
Pennsylvania	Philadelphia	42.7	-11	6	11.0	NW
	Pittsburgh	41.0	-20	-2	11.7	W
Rhode Island	Providence	37.2	-17	1	12.6	NW
South Carolina	Charleston	57.4	7	22	10.6	SW
	Columbia	54.0	-2	19	8.1	NE
South Dakota	Huron	28.2	-43	-26	10.5	NW
	Rapid City	33.4	-34	-21	7.9	W
Tennessee	Knoxville	47.9	-16	2	7.1	SW
	Memphis	51.1	-9	9	9.4	S
Texas	El Paso	53.5	-5	16	9.0	NW
	Ft. Worth	55.2	-8	12	10.3	NW
	San Antonio	60.6	4	21	8.3	NE
Utah	Modena	36.3	-32	-15	9.3	W
	Salt Lake City	40.0	-20	2	6.7	SE
Vermont	Burlington	31.5	-29	-17	11.7	S
Virginia	Lynchburg	46.8	-7	8	8.1	NW
	Norfolk	49.3	-2	15	12.4	N
	Richmond	47.0	-3	10	8.0	SW
Washington	Seattle	46.3	3	20	10.1	SE
	Spokane	37.7	-30	-5	6.3	SW
West Virginia	Elkins	39.4	-28	-8	5.8	W
	Parkersburg	42.6	-27	-1	7.3	SW
Wisconsin	Green Bay	30.0	-36	-18	10.6	SW
	LaCrosse	31.7	-43	-21	5.6	S
	Milwaukee	33.4	-25	-12	12.0	W
Wyoming	Lander	30.0	-40	-12	3.9	SW
	Sheridan	31.0	-41	-26	5.1	NW
Alta	Edmonton	22.8	-57	-41.3	7.5	SW
B. C.	Vancouver	42.6	2	13.1	4.5	E
	Victoria	44.0	-2	19.4	12.6	N
Man.	Winnipeg	17.2	-54	-37.7	10.1	NW
N. B.	Fredericton	27.5	-35	-25.0	9.1	NW
N. S.	Yarmouth	34.8	-12	-0.1	14.3	NW
Ont.	London	32.6	-27	-13.7	10.3	W
	Ottawa	26.4	-35	-24.1	8.4	W
	Port Arthur	22.0	-40	-29.5	8.0	NW
	Toronto	32.6	-26	-11.2	13.6	SW
P. E. I.	Charlottetown	29.4	-27	-13.2	9.8	NW
Que.	Montreal	28.1	-29	-18.4	11.3	SW
	Quebec	24.5	-34	-23.2	13.3	SW
Sask.	Prince Albert	16.0	-70	-47.3	5.1	W
Yukon	Dawson	1.9	-68	-54.3	3.7	S
Newfoundland	St. Johns	31.4	-21	-5.3	12	SW

^aUnited States data from U. S. Weather Bureau, and Canadian data from Meteorological Service of Canada, corrected to 1943.

^bObtained by averaging the lowest temperatures (one for each year) recorded for the period of years the local Weather Bureau has been in operation.

computations. Column D, Table 1 lists the lowest dry-bulb temperatures ever reported in the places listed. Column E, Table 1 shows the average of the lowest annual dry-bulb temperatures for the same localities. Temperatures for other cities may be obtained from local weather bureau records¹. The design temperatures shown in Fig. 1 are generally representative of the practice in various sections of the United States, although