

Subject Index – P

- Pacific Ocean, north, salinities and circulation of, McEwen on, 47:805
Pacific slope, mountain sites on, for observatories, McAdie on, [il], 38:1266
Pagoscope, use of, in France, 33:445--46
Pampero, Oct. 20, 1897, Rio de la Palta, 27:154
_____, Jan. 1, 1930, Paraguay, Farrell on, 58:37
Pan-American Aeronautic Exposition, Feb. 8-15, 1917, Weather Bureau exhibit at, Gregg on, [il], 45:55
Pan-American Exposition, Buffalo, N.Y., Weather Bureau exhibit at, [il. pl. I-IV] 29:259--62
Pan-American Scientific Congress, Dec. 27, 1915-Jan.8, 1916, meteorological considerations of, 44:208--09
_____, meteorology and seismology at, 43:605--06
_____, papers at, abstracts of, 43:607--13
Pan-Pacific Congress, Australia, 1923, 51:654
Pan-Pacific Union, scientific conference of, first, Aug. 2-20, 1920, 48:466--67
Panama, intrusion of Southern Hemisphere air to, Chapel on, 61:242
Pans, evaporation, types of, comparison of, Loveland on, 48:715
Paradoxes, meteorological, Humphreys on, 47:876
Paragreles, electric, Angot on, 42:166--67
Paraselenic circle, Jan. 10, 1919, and lunar halo, 47:21
Parhelion, Jan. 27, 1895, Elfstrum on, 23:14--15
_____, July 24, 1913, Texas, Elfstrum on, 23:14--15
_____, Dec. 28, 1916, Fargo, N.Dak, 45:56
_____, April 10, 1917, Jamaica, 90 degrees from sun, Hall on, 45:399--400
_____, May 1, 1918, Fruita, Colo., Willsea on, 46:267
_____, May 19, 1919, Lansing, Mich., Andrus on, 47:339
_____, illustration of, 48:322
Paris Exposition, Weather Bureau at, 28:445--46
Particle, motion of, on surface of rotating globe, Whipple on, 45:454
Pathfinder dam and reservoir, Wyo., catchment area and water supply of, [il], 38:736--38
Payette-Boise project, Idaho, Hanna on, [il], 38:1435--37
Peach buds, freezing of, Johnston on, 49:231
_____, moisture relations of, during winter and spring, Johnston on, 51:591
Peaches, growth of, Michigan and Kansas, careless statement about, 39:362, 1775
_____, relation between, and climate, Clarke on, 38:1740
_____, winter damage to, Smith on, 40:29--30
Pears, production of, relation between, and weather, New York State, Mattice on, 62:454
Pearson coefficient of correlation, obtaining, method of, Phillips on, 50:135--36
Pennsylvania Water Supply Commission, organization of, 38:509--10
Periodicities, See also: Cycles
Periodocrite, Marvin on, 49:115--24
Periodogram, correlation, application of, to rainfall of British Isles, Alter on, 55:263--66; 61:345--50
_____, correlation, application of, to rainfall of west coast of United States, Prouse on, 63:245--

- _____, correlation, use of, by Clayton, 55:413
- _____, reality in, criteria of, Alter on, 54:57--58
- _____, Schuster's, application of, to long rainfall records, Alter on, 52:479--87
- _____, Schuster's, use of, in investigation of rainfall periodicities, Alter on, 55:60--65
- Permanent International Meteorological Committee, proceedings of, 28:446
- Perspiration, insensible, nature of, in heat regulation, 51:267
- Phenology, observations in, taking, instructions for, 24:328--31
- _____, Ohio, 28:156
- _____, Potomac, observations in, 28:154
- _____, Wauseon, Ohio, 1873--1912, Mikesell's, Smith on, Suppl. 2, pt. 2
- Phenomena, atmospheric, 30:487--88
- _____, atmospheric, Marchand on, 33:102--03
- _____, atmospheric, relation between, and eclipse shadow bands, 28:210--11
- _____, cloud, July 18, 1904, Omaha, Neb., 32:360
- _____, electric, Euphrates Valley, 28:286--87, 290
- _____, injurious, frequency of, 27:59--60
- _____, lightning, McAdie on, 56:219--20
- _____, oceanic, South America coast, Murphy on, 53:116--17
- _____, optical, See: Optical phenomena
- _____, physical, relations in, causal, analysis of, interpretation of correlation coefficients in, 55:109--10
- _____, raindrop, Bentley on, [il], 32:450--56
- _____, solar, See: Solar phenomena
- _____, terrestrial, effect of sunspots on, 28:109--10
- _____, terrestrial, periods of, Fritz on, 56:401--07
- _____, terrestrial, relation between, and atmospheric ozone, Fowle on, 57:58
- _____, terrestrial, relation between, and solar, Abbott on, 54:214
- _____, terrestrial, variations in, synchronous, Clough on, 61:99--108
- _____, tornado, 27:211--12
- _____, volcanic, 30:487--30:487--88
- Phillippine Weather Bureau, 31:447--79
- _____, organization of, 29:372--74
- Phillippine Weather Service, 29:120
- Phosphorescence, June 27, 1929, 57:270
- _____, July 29, 1929, 57:310
- Photography, relation between, and climate, Cornthwaite on, 50:136--37
- _____, relation between, and meteorology, 28:159--60
- Photoheliographic observations, See: monthly issues 1927-
- Photometer, chemical, for plant physiological research, Ridgway on, 46:117--19
- Photosphere, formation of, conditions determining, 34:167--70
- _____, solar, spectrum and temperature of, Amerio on, 43:501--02
- Physician, relation between, and Weather Bureau, 44:22--23
- Physics, cosmical and terrestrial, plea for, 27:27--29
- _____, development of, in universities, 27:258
- _____, instruction in, apparatus for, 33:15--16

_____, relation between, and meteorology, 30:559--67
_____, solar, meteorological effect of, 30:559--67
_____, terrestrial, meteorological effect of, 30:559--67
_____, terrestrial and cosmical, plea for, 37:27--29
"Physics of the Air", Humphreys', review of, 46:562; 57:24
"Physics of the Earth", National Research Council's, 59:122
Physiology, relation between, and weather, Brezina and Schmidt on, 49:293--94
Pillars, light, See: Light, pillars of,
Planets, axes of, inclination of, Pickering on, 45:532-33
_____, effect of, on weather, Humphreys on, 42:346--47
Planting, effect of temperature on, Kincer on, 47:312-23
Plants, breathing of, 24:416
_____, climates of, past and present, Cowles on, 46:521
_____, cotton, lightning injury to, 43:135
_____, diseases of, effect of climate on, 48:416--17
_____, effect of open winter on, 49:20--21
_____, growth of, Delaware, safe, period of, Fassig on, 42:152--58
_____, growth of, effect of cold on, Coville on, 48:643--44
_____, growth of, effect of sunlight on, 48:415
_____, growth of, effect of sunlight on, Seeleyon, 47:327--28
_____, growth of, Maryland, relation of, to climate, McLean on, 43:65--72
_____, growth of, Maryland, safe, period of, Fassig on, 42:152--58
_____, growth of, prolonged, Grand Haven, Mich., Autumn 1920, Tullson on, 49:608--09
_____, growth of, relation between, and greenhouse conditions, Johnston on, 48:215; 50:197--97
_____, growth of, relation between, and sunlight, Hearn on, 50:423--24
_____, growth of, relation between, and temperature, Pearson on, 52:218--20
_____, heating of, in sunlight, as factor in growth, 47:327--28
_____, ice exuded from, Coblentz on, [il], 42:490--99
_____, pathologist of, relation between, and meteorology, Reddick on, 38:4
_____, potato, lighting injury to, 43:135
_____, relation between, and rainfall, 32:24
_____, reproduction of, effect of sunlight on, 42:415
_____, research on, physiological, chemical photometer for, Ridgway on, 46:117--19
Plates, resistance of, in stream of fluid, Rayliegh on, 43:512
Pleistocene, Kentucky, northern, 58:332--33
Plum, fruitfulness of, relation of weather to, 48:285
_____, fruitfulness of, relation of weather to, Dorsey on, 48:644
Pluviculture, art of, Jordan on, 53:261
Pneumonia, cause of, Baker on, 14:334
_____, control of, by weather, Huntington on, 48:501--07
Poem, meteorological, 30:270
Pogonip, description of, 22:76-77; 28:485--96
Polar front, investigations relative to, Sanstrom on, 52:302--03
_____, theory of, application of, to American weather maps, Rossby and Weightman on, 54:485-
-96
Polar research, problems of, 56:62--63

Polaris, aurora, 22:78
Polariscope, uses of, meteorological, Bell on, 36:144--45
Polarization, atmospheric, neutral points of, observations of, Wigand on, 45:531
_____, Mont Blanc, observations of, Boutaric on, 50:92
Pole, cold, South America, Navarrete on, 61:302
_____, telegraph, humming of, 32:230--31
Polish Meteorological Institute, Annual of, 1928, 58:467
Ponds, dew, Martin on, 35:572--75
Peona Observatory, India, establishment of, 56:18
Porto Rico, weights and measures in, 26:567
Position, geographical, finding, methods for, [il], 33:242--48; 34:7--9
Postal Telegraph clock, relation between, and Weather Bureau reports, 25:351--52
Potatoes, yield of, effect of weather on, Smith on, 43:222--36
Potential-gradient, atmospheric, variation of, diurnal, effect of sun on, Swann on, 47:453--56
Pots, smudge, value of, in preventing frost in cranberry bogs, Wells and Parker on, 53:351--52
Potsdam Geodetic Institute, 35:6--7
Powersite, Mo., dam end electric power plant at, Hazen on, 40:1844
Precipitation, See also: 1. Precipitation tables, 2. Rainfall, 3. Snowfall
_____, Adirondacks, variations of, 35:118
_____, air, in moist-labile equilibrium, Refsdal on, 58:467
_____, Alps, distribution and march of, Knoch and Reichel on, 58:499
_____, Arkansas, excessive, Cole on, 49:435--40
_____, atmospheric, electricity of, Simpson on, 43:445
_____, averages of, for large areas, Thiessen on, 39:1062--4
_____, California, deficiency of, economic results of, Palmer on, 48:586--89
_____, California, seasonal, prediction of, Jones on, 59:82
_____, California, seasonal, variability of, Varney on, 53:148--63, 208--18
_____, California, coast, southern, relation between, and preceding March temperature, French on, 55:130--31
_____, charting, Abbe's note on, 30:214--18
_____, charting, Marvin on, 30:214
_____, charts of, preparation of, Reed and Kincer on, 45:233--35
_____, China, distribution of, during typhoons of Summer of 1911, Chu on, 44:446--50
_____, continental, effect of ocean on, 34:161
_____, cycles of, effect of, on forestry, 55:461
_____, cycles of, Murdoch on, 30:482--85
_____, cyclonic, Feb. 22-23, 1925, in central and eastern United States, observations on, 53:379--84
_____, daytime, significance of, economic, and nighttime precipitation, Kincer on, 44:628--33
_____, daytime, Summer, United States, differences between, and nighttime, Humphreys on, 49:350--51
_____, distribution of, Supan on, 30:220--23
_____, earth, relation between, and evaporation, Wust on, 50:313--14
_____, forecasting, from local data, Ray on, 54:372--74
_____, forecasting, by low relative humidity, Long on, 62:295
_____, forecasting, by mackerel sky, Martin on, 48:156

_____, forecasting, in percentages of probability, Hallenbeck on, 48:645--47
_____, formation of, on mountain slopes, 29:152--59, 306--07
_____, Forth Worth, Tex., relation of halos to, Martin on, 44:67--68
_____, frequency of, relation between, and intensity of, Alvord on, 49:441--52
_____, Germany, north, distribution of, Hellmann on, 49:454
_____, Great Lakes, normal, 27:151--53
_____, Great Lakes, relation between, and lake levels, Day on, 54:85--106
_____, Great Plains, northern, Mattice on, 62:445--47
_____, Henderson Lake, Vancouver, British Columbia, heavy, Denison on, 60:252
_____, Honolulu, Hawaii, variations of, diurnal, Loveridge on, 52:584--85
_____, increase of, with altitude, Henry on, 47:33--41
_____, intensity of, 47:722
_____, intensity of, relation between, and alkali, Hart on, 40:1099--1100
_____, Iowa, secular trend of, Reed on, 58:139--42
_____, light, relation between, and alkali, Hart on, 40:1099--1100
_____, Louisville, Ky., excessive, Walz on, 36:107--08
_____, maximum, in short periods of time, Reed on, 58:294
_____, measurement of, accuracy of, Lindholm on, 52:262--64
_____, measurement of, relation between, and gage aperture, Haskins on, 43:510
_____, Memphis, Tenn., hourly, Long on, 56:58--59
_____, Montana, relation of, to stream flow, Young on, 44:84--86
_____, Mount Vernon, Ia., summer, analysis of, 49:612--13
_____, mountain, relation between, and valleys in Utah, Clyde on, 59:113--17
_____, mountain slopes, formation of, 29:152--59, 306--07
_____, Nashville, Tenn., hourly, Nunn on, 50:180--84
_____, New Orleans, La., hourly frequency of, Coberly on, 42:537--38
_____, nighttime, significance of, economic, and daytime precipitation, Kincer on, 44:628--33
_____, nighttime, summer, United States, differences between, and daytime, Humphreys on, 49:350--51
_____, observations on, working up, 45:164--67
_____, occurrence of, on change of wind to north with approach of high barometer, 40:1134
_____, ocean, determinations of, Hann on, 49:243
_____, Oder drainage basin, relation between, and run-off, Fischer on, 47:743--44
_____, Ohio, central, frequency of, hourly, Martin on, 46:375--76
_____, Ohio, central, relation between, and agriculture, Martin on, 46:375--76
_____, Ohio, central, relation between, and wind direction, Martin on, 47:730--33
_____, Oklahoma, northeast, free-air conditions favorable to, Riley on, 56:17
_____, Oregon, Wells on, 50:405--11
_____, Owens Valley, Cal., 38:127--29
_____, Pacific coast, northwest, Pagus on, 27:252--53
_____, Pacific coast, seasonal forecasting of, Henry on, 49:213--19
_____, Philadelphia, duration of, hourly, Mindling on, 46:517--20
_____, Prove, Utah, measurements of, 38:277
_____, rate of, from adiabatically ascending air, Fulks on, 63:291--94
_____, relation between, and corn yield, 32:222--24
_____, relation between, evaporation and run-off, Humphreys on, 56:177-78

_____, relation between, and free air observations, analysis of, Jakl on, 53:337--43
_____, relation between, and irrigation projects, Mead on, 38:446--47
_____, relation between, and stock grazed per square mile, Smith on, 48:311--17
_____, relation between, and stream flow, Bermann on, 41:1020--22
_____, relation between, and tree growth, Stewart on, 41:1287
_____, relation between, and water level of Great Salt Lake, 29:22--23, 57--61
_____, relation between, and winds and temperature, Jakl on, 52:18--22
_____, Rocky Mountain slope, southeast, Hallenbeck on, 44:341--42
_____, Santa Rita, N.Mex., records of, 58:210
_____, seasonal, factors in, Harper on, 47:632--33
_____, seasonal, measurement of, Alter on, 38:1885--86
_____, Sierra Nevada, central, California, relation between, and altitude, variations of, 48:648--50

_____, Sierra Nevada, Lee on, 39:1092--99
_____, South America, Franze's, Reed's review of, 55:364
_____, summer, daily quantities of, Cole on, 50:572--75
_____, Sweden, forecasting, long-range, twelve years of, Wallen on, 55:233--35
_____, Syracuse, N.Y., hourly, Sanford on, 51:395--96
_____, Tallahatchie drainage district, relation between, and run-off and discharge, 37:917--19
_____, Topeka, Kan., hourly, Flora on, 52:211--12
_____, United States, 1871--1901, average annual, 30:307--13
_____, United States, daytime and nighttime, Humphreys on, 49:350--51
_____, United States, distribution, frequency and intensity of, Kincer on, 47:624--31
_____, United States, excessive, 25:13--15
_____, United States, excessive, distribution of, Henry on, 56:355--63
_____, United States, Great Plains of, northern, Mattice on, 62:445--47
_____, United States, normals of, daily, monthly, and annual, Day on, Suppl. 34
_____, United States, trends of, Armstrong on, 63:99--100
_____, United States, trends of, Henry on, 58:249--50
_____, United States, winter, relation between, and temperature, Blair on, 59:34--35
_____, Utah, normal, Alter on, 47:633--36
_____, Utah, in valleys and mountains, Clyde on, 59:113--17
_____, valley, relation between, and adjoining mountains in Utah, Clyde on, 59:113--17
_____, Vancouver (Henderson Lake), British Columbia, heavy, Denison on, 60:252
_____, Washington, averages of, effect of habitability on, Fsiher on, 62:241--43
_____, Washington, variability of, Summers on, 53:355
_____, Wauseon, Ohio, Kirk on, 42:616
_____, winter, forecast of, Blair on, 52:79--85
_____, Wisconsin, 32:328
_____, Wisconsin, relation between, and deforestation, Devereaux on, 38:720--23

Precipitation table, See also: 1. Precipitation 2. Rainfall 3. Snowfall

_____, Amherst College, Mass., 1836-88, 17:134
_____, Asheville, N.Car., 1857-90, 19:185
_____, Atlanta, Ga., 1859--90, 19:76
_____, Attaway Hill, N.Car., 1861--90, 19:125
_____, Austin, Tenn., 1861--90, 19:125

_____, Blakeley, Wash., 1878--97
_____, Cambridge, Mass., 1840--67
_____, Camp Date Creek, Ariz., 1867-73, 17:198
_____, Camp Grant, Ariz., 1866-88, 17:228
_____, Carson City, Nev., 1875--77, 17:102
_____, Charlotte, Vt., 1880--82, 11:64
_____, Charleston, S.Car., 1738--1890, 18:296
_____, Cincinnati, O., 1835--90, 19:50
_____, Comfort, Tex., 1877-83, 11:291
_____, Cooperstown, N.Y., 1854-87, 16:129
_____, cotton region, 1882-86, 14:289
_____, Danville, Ky., 1854-79, 18:222
_____, De Soto, Neb., 1867-89, 17:290
_____, Dodge city, Kan., 1874-1903, 32:115
_____, Forsyth, Ga., 1874--90, 18:168
_____, Fort Benton, Mont., 1869-86, 17:230
_____, Fort Brady, Mich, 1836-89, 18:142
_____, Fort Brooks, Fla., 1840-82, 19:22
_____, Fort Brown, Tex., 1850-88, 17:166
_____, Fort Craig, N. Mex., 1855--87, 17:166
_____, Fort Defiance, Ariz., 1852-60, 17:198
_____, Fort Ellis, Mont., 1268-82, 17:166
_____, Fort Petterman, Wyo., 1868-82, 17:166
_____, Fort Gibson, Indian Terr., 1836-86, 15:337
_____, Fort Mojave, Ariz., 1869-88, 17:166
_____, Fort Monroe, Va., 1836-90, 19:50
_____, Fort Riley, Kan., 1853-88, 17:166
_____, Fort Ripley, Minn., 1850-77, 18:248
_____, Fort Sandera, Wyo., 1869-78, 16:50
_____, Fort Sill, Indian Terr., 1870-87, 17:134
_____, Fort Smith, Ark., hourly, 1904, 23, 53:538
_____, Fort Totton, N.Dak., 1869-90, 18:222
_____, Fort Towson, Indian Terr., 1836-54, 17:165
_____, Fort Union, N.Mex., 1851-67, 16:266
_____, Fort Washita, Indian Terr., 1843-59, 17:134
_____, Genoa, Neb., 1875-89, 17:230
_____, Golinda Falls, Tex., 1881-93, 22:174
_____, Grand Coteau, La., 1883090, 18:194
_____, Green Springs, Ala., 1854-89, 18:248
_____, Hamilton, Bermuda, 1870-1924, 53:25
_____, Hanover, N.H., 1834-71, 16:51
_____, Hanover, N.H., 1872-90, 19:100
_____, Helena, Mont., 1866-89, 17:230
_____, Hopkinton, Ia., 1877-87, 16:50
_____, Key West, Fla., 1832-90, 18:295096
_____, Kirkwood, S.Car., 1866-89, 17:230

_____, Knoxville, Tenn., 1900-22, 53:65
_____, Laconia, Ind., 1866-82, Dec.1882:15-16
_____, Lawrence, Kan., 1868-82, Dec. 1882:16
_____, Lenoir, N.Car., 1871-90, 18:230
_____, Lima, O., 1881-87, 15:293
_____, Macon, Ga., 1871-82, Aug. 1882:12
_____, Marengo, Ill., 1850-87, 16:53
_____, Memphis, Tenn., 1907-26, 56:59
_____, Merritt's Island, Fla., 1878-85, 13:304
_____, Miami, Mo., 1847-89, 18:142
_____, Muscatine, Ia., 1846-90, 18:222
_____, New Bedford, Mass., 1814-88, 17:28
_____, New Haven, Conn., 1804-21, 30:264
_____, New Haven, Conn., 1873-90, 18:168
_____, New Ulm, Tex., 1873-90, 18:168
_____, New York City, 1870-91, 20:79
_____, North Lewisburg, O., 1852-88, 16:210
_____, Orono, Me., 1870-90, 19:22
_____, Oswego, Ill., 1880-90, 15:315
_____, Padua, Italy, 1725-1900, 51:516
_____, Padua, Italy, 1901-28, 58:119
_____, Padua, Italy, 1901-33, Reed on, 62:250
_____, Palermo, N.Y., 1860-87, 16:52
_____, Pantano, Ariz., 1880-88, 17:198
_____, Peoria, Ill., 1855-90, 18:194
_____, Philadelphia, Pa., 1825-87, 16:53
_____, Portsmouth, O., 1830-87, 16:52
_____, Prescott, Ariz., 1865-87, 17:166
_____, Punta Rosa, Fla., 1871-83, 19:126
_____, Rockford, Ill., 1872-90, 18:194
_____, Sacramento, Cal., 1853-82, 11:14
_____, Saint Louis, Mo., 1838-81, 16:50
_____, San Francisco, Cal., 1849-77, Sept. 1882:19
_____, San Juan, P.R., 1905-27, 56:141
_____, Sandwich, Ill., 1852-84, 13:109
_____, Snowville, Va., 1869-82, Dec. 1882:16
_____, Southport, N.Car., 1875-90, 18:296
_____, Strafford, Vt., 1873-90, 19:22
_____, Taunton, Mass., 1871-90, 18:194
_____, Texas cotton region, 1882-86, 14:260
_____, Troy, N.Y., 1826-86, 16:28
_____, Tucson, Ariz., 1867-86, 17:166
_____, United States, 1871-1901, 30:207-13
_____, Vevay, Ind., 1865-90, 19:75
_____, Wabash, Ind., 1877-82, Dec., 1882:16
_____, Walla Walla, Wash., 1872-82, 11:82

_____, Wallingford, Conn., 1856-87, 15:292
 _____, Washington, Ark., 1840-89, 18:168
 _____, Washington, D.C., 1924-90, 19:76
 _____, Washington, D.C., 1874-91, 20:79
 _____, Wauseon, O., 1871-83, 11:281
 _____, Wytheville, Va., 1860-82, June 1882:13; 13:304
 _____, Yreka, Cal., 1872-85, 17:134
 Pressure, Nov. 17, 1928, decrease in, rapid, northwest of storm track, Belden on, 57:17-18
 _____, absolute, unit of, nomenclature of, Marvin on, 46:73--75
 _____, Alhajuella, 31:142--43
 _____, Alps, high, in winter, periodicity of, 46:282
 _____, anomalies of, effect of, on winter temperatures in upper Mississippi Valley, Blair on, 58:53--58
 _____, anomalies of, relation between, and weather types, Blair on, 61:196--97
 _____, areas of, location of, forecasting, by wind circulation, 48:221
 _____, areas of, relation between, and velocities of Iowa, 34:205--09
 _____, Argentine, relation between, and United States pressure six months later, 54:299
 _____, Asia, mean, Feb. 1879:12
 _____, Atlantic, North, eastern, distribution of, effect of Arctic ice on, Brooks and Quennel on, 57:99--102
 _____, British Isles, variations of, from month to month, Brooks' article on, Henry's review of, 54:378-79
 _____, changes in, at different levels, Clayton on, 35:457--58
 _____, changes in, diurnal, causes of, Pernter on, 42:655--65
 _____, changes in, relation between, and breathing wells, 44:75--76
 _____, charts of, accuracy of, Meisinger on, 51:190--99
 _____, charts of, making, Meisinger on, 48:251--63, 697-701; 49:238-39; 50:453-68; 51:190-99
 _____, Colon, 31:142-43, 188
 _____, diminished, effect of, on cooking, 28:160--61
 _____, distribution of, during cyclone across plateau region of United States, Meisinger on, 50:347--56
 _____, distribution of, over earth, charts of, historical note on, 48:408-11
 _____, distribution of, effect of Gulf Stream fluctuations on, Brooks' article on, Henry on, 55:359--61
 _____, distribution of, relation between, and storm movement, 34:61--64
 _____, distribution of, relation between, and sunspots, Deeley on, 58:423
 _____, distribution of, relation between, and wind, Jeffreys on, 47:574
 _____, distribution of, relation between, and wind, Sahw on, 47:643--44
 _____, effect of, on altimeter readings, Meisinger on, 48:529
 _____, effect of, on Great Lakes, Hayford on, Henry's review of, 50:539--40
 _____, effect of rainfall on, 23:172--73
 _____, Europe, charts of, 48:412
 _____, Europe, western, distribution of, effect of Arctic ice on, Brooks and Quennel on, 57:99--102
 _____, Europe, western, distribution of, relation between, and unspots, Brooks on, 58:25
 _____, France, northeastern, at various levels, Humphreys on, 47:159--61

_____, Gulf of Fonseca, diurnal, change of, 48:404
_____, high, area of, air movements of, 15:273--74; 31:339-40
_____, high, area of, movements of, over North Atlantic ocean, 15:273--74
_____, high, area of, St. Lawrence Valley, north of, Garriott on, 23:292
_____, high, area of, Taylor on, 25:350--51
_____, high, difference between, and low, 24:292
_____, Honolulu, relation between, and rainfall, Ramsay on, 54:6--7
_____, Idaho, north of, low, Hazen on, 23:89--91
_____, India monsoon area, 34:161--62
_____, Italy, abnormal, distributions of, 44:286--87
_____, Japan, maps of, at three kilometers, Fujiwhara on, 49:571--72
_____, low, Nov. 18, 1916, Paris, Angot on, 44:679
_____, low, area of, March 28-29, 1928, dry, Samuels on, 56:145
_____, low, area of, air movements of, 15:291-92; 31:339
_____, low, area of, kite flight in, Jakl on, 48:198--200
_____, low, area of, movement of, 15:291--92
_____, low, area of, Pacific coast, 24:418--19
_____, low, area of, Rocky Mountains, 23:129--30
_____, low, area of, Taylor on, 25:350--51
_____, low, area of, warm air attending, 22:464
_____, low, difference between, and tidal waves, 26:566
_____, low, secondary, development of, application of Bjerknes lines to, Andrus on, 49:11--12
_____, low, velocities of, relation between, and pressure areas, 34:205--09
_____, maps of, See: Pressure, charts of,
_____, mean, along various circles of latitude, Harrison on, 61:293--95
_____, measurements of, definitive, methods and results of, Koschmieder on, 56:305--10
_____, measuring, in absolute units, Shaw on, 42:5--7
_____, Mediterranean Sea, effect of Alps on, Picker on, 49:510--11
_____, Midway Island, relation between, and Honolulu rainfall, Ramsay on, 54:6--7
_____, Montana, extremes in, 31:533
_____, Montana, north of, low, Hazen on, 23:89--91
_____, Mount Washington, fluctuations of, 19:171, 199, 224, 250
_____, Northern Hemisphere, anomaly of, charts of, monthly, classification of, 56:511
_____, Northern Hemisphere, monthly, variations in, relation between, and weather forecasting, 53:528--34, oceanic areas, average, computation of, from daily synoptic charts, Reed on, 54:1--2
_____, Orono, Me., 32:175
_____, oscillation in, periodic, Bauer on, 53:392--94
_____, oscillation in, during thunderstorm, 47:396
_____, Pacific, Beals on, 47:804--05
_____, Pacific, north, low, Beals on, 49:330--31--31
_____, Pacific, northeastern, relation between, and weather in United States, Dec. 1924 and Jan. 1925, Henry on, 53:5--10
_____, Pacific, south, tropical, cycle of, 3-year, cause of, Berlage's paper on, 57:384--85
_____, Pacific coast, low, 24:418--19
_____, Pacific coast, north, high, Garriott on, 23:249--50
_____, Panama, mean, 32:124--25

_____, plateau, reduction of, to 5000-foot level, Little and Vernon on, 62:149--55
_____, Poland, charts of, 48:412
_____, ratios of, law of, application of, to charting of isobars in troposphere, Meisinger on, 51:437--48
_____, ratios of, law of, Whipple on, 52:94--95
_____, reduction of, device for, graphical, Meisinger on, 49:296--99
_____, reduction of, to sea level, 23:49--94
_____, reduction of, Toronto symposium on, Meisinger on, 49:655--57
_____, relation between, and altitude, Kimball on, 47:156--58
_____, relation between, and colliery explosions, 35:413
_____, relation between, and earth pulsation, 37:65
_____, relation between, and forecasting, Hessling on, 55:184--86
_____, relation between, and hurricane frequency, Ray on, 53:10--12
_____, relation between, and Kew Observatory well, Bilham on, 46:26
_____, relation between, and mine gases, Alter on, 49:294
_____, relation between, and rainfall, Humphreys on, 49:500
_____, relation between, and sun spots, Hanzlik on, 59:201
_____, relation between, and sun spots, literature on, review of, Henry on, 49:281--84
_____, relation between, and temperature, Chapman on, 49:27
_____, relation between, and temperature, Dines on, 50:638--42
_____, relation between, and temperature and winds aloft, Gregg on, 48:263
_____, relation between, and thunder, 23:130
_____, Rocky Mountains, low, 23:129--30
_____, Ross Sea, Mossmann on, 44:113
_____, Saint Lawrence Valley, north of, high, Garriott on, 23:292
_____, Saint Louis tornado, low, Baier on, 24:332
_____, sea level, American Isthmus, mean, 31:124--25
_____, sea level, monthly normals of, United States, Canada, Alaska, and West Indies, Day on, 52:30--35
_____, sunlight, bearing of, on astronomy and meteorology, Mitchell on, 32:217--20
_____, United States, central and eastern, maps of, preparation and significance of, Suppl. 21; 50:453--68
_____, United States, plateau region of, 23:207--09
_____, United States, relation between, and Argentina, 54:299
_____, United States, values of, mean, Gregg on, 46:11--20
_____, United States, variations in, 36:53--56
_____, United States, variations in, accidental, Henry on, 45:290--91
_____, United States, velocity of, 35:169--71
_____, units of, standard, conversion of barometric readings into, Covert on, 42:230--31
_____, vapor, deficit, comparison of, with evaporation, Johnston on, 47:30--33
_____, vapor, determination of, 29:74--75
_____, vapor, diagram of, constructing, Horton on, 49:285--87
_____, vapor, below freezing, formula for, Whipple on, 55:131
_____, vapor, below freezing, Washburn on, 52:488--90
_____, vapor, Marvin on, 33:156--57
_____, vapor, table of, Tampa, Fla., mean, bi-hourly, 47:710

_____, vapor, United States, Day on, Suppl. 6
 _____, vapor, United States, mean values of, Gregg on, 46:11–20
 _____, variation of, diurnal, 29:495–96; 46:233–34
 _____, variation of, effect of winds aloft on, 47:735
 _____, variation of, forecasts of, investigations of, 43:611
 _____, variation of, relation between, and fluctuations of mean sea level, Franklin on, 47:105
 _____, variation of, relation between, and solar activity, Hanzlik on, 48:105
 _____, variation of, relation between, and temperature, humidity, and latitude, 43:466
 _____, Washington, D.C., 1891-1904, hourly, average, 43:317
 _____, Weddell Sea, Mossmann on, 44:113
 _____, world, 1910, deviation of, from normal, 49:512
 _____, world, anomalies of, Exner on, review of, 53:541
 _____, world, anomalies of, interrelations of, Exner on, 55:238
 _____, world, charts of, 48:412
 _____, world, departures in, relation between, and subsequent temperature, Missouri and upper Mississippi Valleys, Blair and Topil on, 63:159–61
 Pressure-gradient, relation between, wind, and friction, Akerblom on, 45:455
 “Principia Atmospherica”, Shaw’s, 42:196–209
 Probabilities, theory of, application of, to weather prediction, Van Orstrand on, 37:175–76
 Proett theorem, Linke on, 51:210
 Projections, map, world, Marvin and others on, [il], 57:127–36
 Prussian Meteorological Institute, work of, 29:70–71
 Psychrometer, Abbe on, 37:23
 _____, rotation, portable, O’Gara on, [il], 37:22–23
 _____, Russell on, 14:299–300
 _____, stationary and whirled, 31:537–38
 _____, theory of, Humphreys on, 61:300-02
 Psychrometric tables, 28:449
 Publications, climate and crop service, 27:150
 _____, climatological, American, 26:461; 32:25
 _____, meteorological, See: Bibliography
 _____, seismological, See also: Bibliography
 _____, seismological, Japanese, 35:159–60
 _____, United States Weather Bureau, 29:216–18
 _____, United States Weather Bureau, for school use, 28:558–59
 _____, United States Weather Bureau, serial numbers for, 30:528–30; 43:346–50
 Pumice, fall of, June 17, 1929, 57:270
 _____, fall of, May 1930, 58:225
 Purple, western, explanations of, and eastern afterglow, Heim on, 44:624–25
 Pyranometer, records of, assistance of, in distinguishing haze and clouds, Gorton and Chambers on, 59:76–77
 Pyrheliometer, Angstrom, comparison between, and Callendar sunshine recorder, Patterson on, 45:400
 _____, Angstrom, comparison between, and Smithsonian, Angstrom on, 47:798-99
 _____, Angstrom, observations of solar radiation with, Asheville and Black Mountain, N.Car., [il], 31:321–34

_____, Angstrom, observations of solar radiation with, Providence, R.I., 31:275–80
_____, Callendar, characteristics of, Miller on, 48:244–47
_____, Callendar, solar radiation measurements with, Madison, Wis., Miller on, 48:338–43
_____, comparison of, Kimball on, 52:302
_____, Marvin, characteristics of, Foote on, 46:49–500
_____, Smithsonian, comparison between, and Angstrom, Angstrom on, 47:798–99
_____, thermoelectric, recording, new form of, Kimball and Hobbs on, [il], 51:239–42
_____, waterflow, Shulgin on, 55:361–62
Pyrheliometry, Arequipa, Peru, 44:63–65
_____, measurements in, bibliography of, Kimball on, 55:155–69
_____, Montezuma, Abbott on, Suppl. 27; 54:506