

## **Subject Index - D**

- Dairy, relation between, and climate, 27:364, 475  
Dam, See under name of dam  
Darkness, day of, May 19, 1780, New England, 45:12, 366  
-----, day of, March 19, 1886, Oshkosh, Wis., 14:79  
-----, day of, Nov. 9, 1895, Pittsburg, PA., 23:423  
-----, day of, Sept. 12, 1902, Washington, 30:440  
-----, day of, Dec. 2, 1904, Memphis, Tenn., 32:522  
-----, day of, March 7, 1911, Louisville, Ky., and surrounding districts, 39:345–48  
-----, greatest hour of, before dawn, 42:503  
-----, influence of, on growth and development, 31:180–84  
Date, international, 27:17–18  
Date line, Page on, 30:363  
----- palm, culture of, climatic data on, 26:160  
David Syme prize, 1918, presentation of, to Dr. Griffith Taylor, 46:237  
Davos, Switzerland, physical-meteorological observatory at, Dorno on, 52:160–61  
'Dawn, warmth of', theory of, Messner on, 48:39  
Day, 24-hour, adoption of, Mixer's proposal for, 37:175  
-----, astronomical, unification of, with meteorological day, 47:418  
-----, dog, 40:1284  
-----, meteorological, unification of, with astronomical day, 47:418  
Daylight, effect of city smoke on, 45:205–07  
-----, illumination by, on horizontal, vertical, and sloping surfaces, Kimball and Hand on, 50:615–28; 53:448  
-----, illumination by, measurements of, Kimball and Hand on, [il], 49:481–88  
-----, intensity of, relation between, and solar radiation intensity, Kimball on, 52:473–79; 53:20  
Daylight Saving Act, March 19, 1918, United States, 46:75–76  
-----, conditions and effect of, 46:76  
Death rate, relation between, and weather, Weeks on, 50:542  
Decimal point, locating, in slide-rule computation, Haas on, 52:29–30  
Deflection, right, 33:448  
Deforestation, relation between, and rainfall, Sager on, 39:62  
-----, Wisconsin, relation between, and precipitation and run-off, 38:720–23  
Density, relation of, to altitude, Kimball on, 47:156–58  
Depressions, See: Cyclones  
Derecho, May 16, 1899, Ohio, 27:196–97  
Deschutes River, drainage basin of, water resources of, Stevens on, 38:471–74  
-----, reconnaissance of, July 1912, Lewis on, 40:1117  
Desert, Alter on, 38:1259  
-----, road building in, relation between, and meteorology, 53:263  
Desiccation, Africa, 45:301; 48:32; 57:208–09  
-----, Senegal, Rabot on, 48:32

- Deutsche Seewarte, handbooks of, 25:401–03  
Dew, ammonia in, 45:19  
-----, formation of, at tree tops, 36:410–11  
-----, frozen, 45:500  
Dew-point, determining, psychometric chart for, Smith on, 49:287–88  
Dew-ponds, Martin on, 35:572–75  
Diarrhea, infantile, death from, Paris, influence of temperature on, Besson on, 49:156  
Diary, weather, Indiana, northeastern, Whittier on, 63:224  
Dictionary, meteorological, French, 54:299  
Dignity, meteorological, Scarr on, 32:413–14  
Directors, section, relation between, and cooperative observers, Blystone on, 60:217–19  
----- Weather Bureau, meeting of, July 3–9, 1919, London, 47:449  
-----, Weather Bureau, meeting of, Sept. 30 to Oct. 6, 1919, Paris, 47:852  
Discomfort, meteorological, sensation of, 32:217  
Disease, effect of weather on, Weeks on, 49:155–56  
-----, effect of weather change on, Weeks on, 49:155–56  
-----, forest-tree, effect of meteorological conditions on, Hubert's on, 58:455–59  
-----, Stewart's, influence of weather on, 51:360–61  
Disturbances, atmospheric, of radiotelegraphy, Austin on, 52:220–21  
-----, atmospheric, travelling, Jeffreys on, 47:644  
-----, atmospheric-optical, Fall on 1911 to Feb. 1917, Dorno on, 45:483–84  
-----, atmospheric-optical, 1912–13, progress and geographical distribution of,  
    42:534–36  
-----, barometric, Danish West Indies, Nov. 22–29, 1903, 31:534–36  
-----, magnetic, Klotz on, 43:596–98  
-----, solar, relation between, and terrestrial weather, Huntington on, 46:123–41,  
    168–77, 269–77  
Divining rod, use of, 28:109; 45:300–01  
Dog days, 40:1284  
Dominica, W.I., Weather Bureau in, 28:252  
Drainage, effect of, on rainfall, Willard on, 52:449  
-----, subsurface, New Orleans, influence of, on temperature, Cline on, 43:607  
Drexel aerological station, 42:624  
-----, Blair on, [il], Suppl. 3, pt. 3  
Drizzle, difference between, and shower, Humphreys on, 59:431–32  
Droplets, microbial, in atmosphere, influence of barometric pressure on, Trillat on,  
    48:284  
Drought, See also: Season, dry,  
-----, 1845, northern Ohio, Ford on, 23:293–94  
-----, 1871–1925, Nashville, Tenn., Nunn on, 53:398  
-----, 1886, Dakota and Minnesota, Brandenburg on, 14:326  
-----, 1895, relation between, and weather in distant regions, 23:381–82  
-----, 1899, southwest Missouri, 28:151–52  
-----, 1899–1932, Porto Rico, Ray on, 61:222–23  
-----, 1901–03, 31:336–38  
-----, 1910, Kansas, Flora on, 38:1704

- , 1910, in principal Spring-wheat growing states, Day on, 39:142–43  
-----, 1910–11, north-central Georgia and Chattahoochee river basis, 39:829–31  
-----, 1910–11, South Carolina, Geren on, 39:664  
-----, 1911, Kansas, Flora on, 39:1383  
-----, 1911, North Carolina, Denson on, 39:988  
-----, 1911, in Ozarks of southwestern Missouri, Hazen on, 39:896  
-----, 1912, Minnesota, Blair on, 40:1814–15  
-----, 1913, Abilene, Tex., Green on, 41:1450  
-----, 1913, Arkansas, Alciatore on, 41:1446  
-----, 1913, Columbia, Mo., Reeder on, 41:1440  
-----, 1913, Concordia, Kan., Byram on, 41:1436–37  
-----, 1913, Dodge City, Kan., Baldwin on, 41:1437–38  
-----, 1913, Fort Smith, Ark., Guthrie on, 41:1446–47  
-----, 1913, Fort Worth, Tex., Landis on, 41:1450  
-----, 1913, Hannibal, Mo., Waldron on, 41:1440–41  
-----, 1913, Illinois, Wills on, 41:1454–55  
-----, 1913, Indiana, Church on, 41:1455–56  
-----, 1913, Iola, Kan., Holcomb on, 41:1438  
-----, 1913, Iowa, Chappel on, 41:1447–48  
-----, 1913, Kansas, Flora on, 41:1435–36  
-----, 1913, Kansas City, Mo., Connor on, 41:1441  
-----, 1913, Kentucky, Walz on, 41:1452–53  
-----, 1913, Lincoln, Neb., Loveland, 41:1443  
-----, 1913, in Meramec, Arkansas, and Red river drainage basins, Cline on,  
    41:1211  
-----, 1913, New York, 41:1133–34  
-----, 1913, North Platte, Neb., Shilling on, 41:1444–45  
-----, 1913, Oklahoma, Slaughter on, 41:1445  
-----, 1913, Omaha, Neb., Walsh on, 41:1443–44  
-----, 1913, St. Joseph, Mo., Belder on, 41:1441  
-----, 1913, St. Louis, Mo., Hayes on, 41:1442  
-----, 1913, South Dakota, Glenn on, 41:1451–52  
-----, 1913, Springfield, Mo., comparison of, with other years, Hazen on, 41:1442–43  
-----, 1913, Tennessee, Nunn on, 41:1453–54  
-----, 1913, Texas, Bunnemeyer on, 41:1448–49  
-----, 1913, Texas, eastern, Hare on, 41:1450–51  
-----, 1913, Wichita, Kan., Hardin on, 41:1438–40  
-----, Summer 1913, Middle West, Day on, 41:1433–35  
-----, Aug. to Oct. 1914, New York City, Reed on, 41:629–31  
-----, Oct. 1920 to May 1921, England, 49:353  
-----, 1921, British Isles, Brooks and Glasspoole on, 50:93  
-----, 1921, Brooks and Glasspoole's paper on, Henry's review of, 50:357–59  
-----, 1921, Italy, Eredia on, 51:86–87  
-----, 1921–22, Canal Zone, Fitzpatrick on, 50:255  
-----, 1923, Panama Canal, water balance during, Kirkpatrick on, 51:265–66  
-----, 1924, Southern Hemisphere, 52:591

- , 1925, Mexico, 53:313–14  
-----, 1925, Panama Canal Zone, Kirkpatrick on, 53:357–59  
-----, 1925, southeastern United States, 53:410–11  
-----, 1925, western United States, Bowie on, 57:449–51  
-----, Sept. 1929, in various parts of the world, 57:385  
-----, 1930, effect of, on Kentucky river, Winn on, 58:401–2  
-----, 1930, Ohio Valley, effect of, on water supply, Devereaux on, 58:401  
-----, 1930, Potomac Basin, end of, 58:468  
-----, 1930, United States, 58:396–401  
-----, 1930, Henry on, 58:351–54  
-----, 1930, United States, rainfall during, 59:311  
-----, April-May 1930, Washington, D.C., 58:163  
-----, 1933–34, New Mexico, Chambers on, 63:14–15  
Droughts, Arkansas, Cole on, 61:129–40  
-----, Arkansas, comparison of, with Georgia, Mindling on, 61:352–53  
-----, Australia, relation between, and moon, 30:525–26  
-----, Australia, Richardson on, 47:860  
-----, California, Palmer on, 48:156–57  
-----, Columbia plateau, prolonged evidence of, prior to white settlement, Freeman on,  
[il], 57:250–51  
-----, effect of, on agriculture, 23:426  
-----, effect of, on tree rings, 59:82  
-----, Georgia, comparison of, with Arkansas, Mindling on, 61:253–53  
-----, Great Britain, 51:590  
-----, Idaho, Donnel on, 38:1279–80  
-----, India, 28:246–48  
-----, insurance against, 26:214  
-----, intensity of, measuring, Marcovitch on, 58:113  
-----, intensity of, representing and comparing, graphic method of, Munger on,  
44:642–43  
-----, Kansas and Texas, Hazen on, 15:119  
-----, long, 28:20  
-----, Louisiana, Coberly on, 41:1051–55  
-----, Mississippi Valley, 23:337  
-----, moving of cirrus clouds during, Manning on, 49:331–32  
-----, occurrence of, relation between, and cirrus cloud movements from easterly  
points, Reeder on, 47:711–15  
-----, periods of, relation between, and climatic cycles, Clements', Henry's review of,  
50:127–31  
-----, Porto Rico, 1899–1932, Ray on, 61:222–23  
-----, predicting, in Europe, Eredia on, 51:142  
-----, Raleigh, N.Car., record of, 32:420  
-----, relation between, and atmospheric electricity, 34:121–22  
-----, statistics of, time unit in, calendar year as, Henry on, 59:150–54  
-----, Texas and Kansas, Hazen on, 15:119  
-----, tropical, prolonged, relation between, and sunspots, Pickering on, 48:589–92

- , United States, historic, 26:262
- , widespread area of, 27:257
- Duff moisture, relation between, and solar radiation and relative humidity,
  - Gast and Stickel on, 57:466–68
- Dust, Atlantic, north, Hurd on, 50:301
- , atmospheric, 27:63
- , atmospheric, 1902–03, Noble on, 32:364–65
- , atmospheric, Gulf of Mexico, Banvard on, 35:583
- , atmospheric, investigation of, Kimball and Hand on, [il], 52:133–39; 53:243–46; 59:349–52
- , atmospheric, measurement of, from mountains and valleys, Hand on, 61:169
- , atmospheric, mistake about, 33:492
- , atmospheric, Rafinesque on, 28:291–92
- , atmospheric, variation in, seasonal, Wexler on, 62:397–402
- , effect of, on melting of snow, Jones on, 41:599
- , geological origin of, 23:130
- , Krakatoa, 34:163–64
- , origin of, geological, 23:130
- , origin of, western, Feb. 12–15, 1919, in central states, 49:17
- , red, March, 1901, 29:316–17
- , snow, Jan. 11–12, 1895, 23:15–19
- , spiral of, June 19, 1920, near Flagstaff, Ariz., Haasis on, 50:68–69
- , volcanic, 30:369–70
- Dust fall, See also: Dust storm
  - , March 1918, Winchell on, 46:502–06
  - , Feb. 12–15, 1919, in central states, origin of, 49:17
  - , March 25, 1923, Ludington, Mich., Eshleman on, 51:315
  - , March 29, 1924, Madison, Wis., Miller on, 52:141
  - , Jan. 17, 1930, Portland, Ore., Wells on, 58:67
  - , Idaho, Roch on, 36:103
  - , Observation of, Miller on, 49:17
- Dust-haze, colors of, 34:163
- Dust storms, See also: 1. Clouds, dust, 2. Dust fall
  - , Feb. 7, 1895, Stattler, Ark., 23:57
  - , April 14–15, 1895, 23:130
  - , April 23, 1901, Burma and elsewhere, 29:175
  - , April 11, 1902, 30:269
  - , March 22, 1910, Salt Lake City, Utah, 38:444
  - , May 25, 1910, northern Idaho, 38:805
  - , April 4, 1919, Salt Lake City, 47:881
  - , Sept. 27, 1919, Portland, Ore., 47:881
  - , June 19, 1920, near Flagstaff, Ariz., Haasis on, 50:68–69
  - , Jan. 18–19, 1921, North Dakota, Dove on, 49:411–12
  - , March 19, 1930, over Idaho, Washington, and Oregon, Freeman on, 58:117
  - , April 21–24, 1931, Washington and Oregon, Cameron on, [il], 59:195–97
  - , Jan. 18, 1933, eastern Wyoming, Disterdick on, 61:16–17

-----, Jan. 22, 1933, over Illinois, Indiana, and Michigan, Andrus on, 61:17  
-----, March 24-25, 1933, Texas, Harrison on, 61:113-14  
-----, Nov. 1933 to May 1936, Mattice on, [il], 63:53-55, 113-15, 148, 175  
-----, Nov. 12, 1933, Hovde on, 62:12-13  
-----, Nov. 12-13, 1933, Miller on, 62:14-15  
-----, Nov. 13, 1933, petrology of, Alexander on, 62:15  
-----, April 12, 1934, Baton Rouge, La., Russell on, 62:162-63  
-----, May 10, 1934, observation of sun through, Elvey on, 62:201-02  
-----, May 11, 1934, Washington, D.C., character and magnitude of, Hand on,  
    62:156-57  
-----, Idaho and Montana, Larsen on, 52:110  
-----, Oklahoma, silent, 23:13  
-----, Rücker on, 29:120-21  
-----, Texas, relation between, and tornadoes, 37:16  
-----, Texas, Riley on, [il], 59:30-31  
Dust whirl, cold weather, March 13, 1905, 33:154  
Dust whirls, 30:316  
Dust whirls and fairy dances, 27:111  
Dynamite, explosion of, by lightning, June 24, 1924, near Winston-Salem, N.Car.,  
    52:313