

AUTHOR INDEX - A

- ABBE, Prof. Cleveland, Sr.— Causes of earthquakes, 23:375
_____, Comprehensive maps and models of globe for special meteorological studies, 35:559–64
_____, Effect of wind and exposure upon barometric readings, 14:332–33
_____, Ice columns in gravelly soils, 33:157–58
_____, Introduction of meteorology into courses of instruction in mathematics and physics, 32:513–15, 560–61; 43:131–135
_____, Physical basis of long-range weather forecasts, 29:551–61
_____, Short account of circumstances attending inception of weather forecast work by United States, 44:206–07
_____, Total quantity of aqueous vapor in atmosphere, 22:539–40
_____, absence of, 43:507
_____, presentation of Hartley memorial medal to, 44:205–06
_____, presentation of Symons memorial medal to, 44:209
 ABBE's note on charting precipitation, 30:214–18
 ABBE and A. DE RIEMER— Average frequency of days of hail during 1893–97, 26:546–47
 ABBE and G.W. RICHARDS— Form for record of cloud observations, 26:546–57
 ABBE, Cleveland, jr.— American definition of 'sleet', 44:281–86
_____, Thermo-isopleths for Washington, D.C., 43:113–14
_____, Washington and Paris winters, 42:626–28
ABBE and B.C. KADEL— Current evaporation observations by Weather Bureau, [il.], 44:674–77
ABBOTT, Charles G.— Discrepancies between Angström and Smithsonian instruments, 48:147–49
_____, Extracts from annual report of Smithsonian Astrophysical Observatory, 42:621–23
_____, Measurements of solar constant of radiation at Calama, Chile, 1919, 47:85–87, 182, 254, 342, 499, 580–82, 658–59, 748, 885
_____, Measurements of solar constant of radiation at Calama, Chile, 1920, 48:44, 105, 167, 227–28, 291–92, 360, 473–74, 540, 665, 721–722
_____, Montezuma pyrheliometry, Suppl. #27; 54:506
_____, New definitive scale for solar-constant values, 55:236
_____, New proof of variability of sun, based on Mount Wilson observations, 54:191–94
_____, Notes on relationship of solar and terrestrial phenomena, 54:214
_____, Recent balloon experiments, 42:77
_____, Recent improvements in solar radiation observations at Calama, Chile, 49:651–52
_____, Recent studies on solar constant of radiation, 31:587–92
_____, Relation of sun spot cycle to meteorology, 30:178–81
_____, Report on Astrophysical Observatory for year ending June 30, 1920, 48:717–18
_____, Some human aspects of astronomy, 57:204–05
_____, Systematic corrections to Calama, Chile, solar constant values, 49:458–60
_____, Work of Smithsonian Astrophysical Observatory at Calama, Chile, 47:1–3

- _____, 's program for four world observatories, 48:348–51
- _____, and others– Values of solar constant, 1920–22, [il.], 51:71–81
- _____, F.E. FOWLE, and L.B. ALDRICH– Confirmatory experiments on value of solar constant..., 43:212–13
- _____, Solar variability, 44:328
- ABBOTT, General Henry L.– Climatology of Isthmus of Panama, 27:198–203; 302–03; 31:117–24
- _____, Contributions to meteorology of Panama, 28:7–8
- _____, Disposition of rainfall in basin of Chagres, 32:57–65
- _____, Hourly climatic records on Isthmus of Panama, 32:267–72
- _____, Mean barometric pressure at sea level of American Isthmus, 31:124–25
- _____, Meteorology of Panama, 27:463
- _____, Note on barometric pressure at Colon, 31:188
- _____, Our killing heat, 29:371
- _____, Progressive climatic variations on Isthmus of Panama, 36:163–65
- _____, Rainfall and drainage in upper Chagres river, 28:243–44
- _____, Rainfall and outflow above Bohio in valley of Chagres, 35:74–75
- _____, Ratio of discharges of Chagres river at Gamboa and Bohio to rainfall in watershed, 27:541–43
- ABELL, Rev. J.J.– Distant thunder, 26:566
- ACWORTH, A.E.– Motion of thunderstorms against wind, 23:465
- _____, 's records of cold weather in March in Maryland, 22:126–27
- ADAMSON, J.E.– Fighting big freeze, [il], 41:289–91
- _____, Fighting frost, 39:770
- AICHI, K.– New method of reduction of observations of underground temperature, 47:802
- _____, Penetration of periodic temperature waves into soil, 47:802
- AIRY's, Sir G.B., theory of rainbow, Hammer on, 32:503–08
- AITKEN, Dr. John– Some nuclei of cloudy condensation, 45:452, 531–32
- _____, presentation of Royal Society medal to, 45:606
- AKERBLOM, F.– Relation between pressure-gradient, wind, and friction in steady motion, 45:455
- ALCIATORE, Henry F.– Arkansas river flood from below Fort Smith, Ark., to mouth, 36:397
- _____, Classification of American summers, 43:400–02
- _____, Destructive rainstorm of April 8–9, 1912, in Arkansas, 41:584–85
- _____, Effect of change in position of thermometer shelter at Escondido, Cal., on minimum temperature, 49:339–40
- _____, Growth, settling, and final disappearance of snow cover in Sierra Nevada, 1915–16, 45:109–13
- _____, Method of forecasting maximum Summer level in Lake Tahoe from one to four months in advance, 44:407–409
- _____, New methods of predicting orchard temperatures in San Diego citrus district, Suppl. #16, pp. 70–76
- _____, Report on drought of 1913 in Arkansas, 41:1446
- _____, Simple, effective, and inexpensive lightning recorder, [il], 32:511–13
- _____, Six years of snowfall measurements in Carson,

- Walker and Truckee watersheds, 44:649–50
- _____, Snow densities in Sierra Nevada, 44:523–27
- _____, Statistical method for predicting minimum temperatures, Suppl. #16, pp.59–63
- _____, Summer temperatures at Paris and at Reno, Nev., 43:280–81
- _____, Tornado at Booneville, Ark., 40: 1220–1221
- _____, Tornadoes in Arkansas, March 1913, 41:415
- _____, Two years of low water in Arkansas river, 39:1871–72
- ALCOCK's, Capt. John, and Brown's successful non-stop
trans-Atlantic flight, 47:416
- ALDRICH, L.B.– Reflecting power of clouds, 47:154
- ALDRICH, L.B., C.G. Abbott, and F.E. Fowle– Confirmatory
experiments on value of solar constant of radiation, 43:212–13
- _____, Solar variability, 44:328
- ALEXANDER, A.E.– Petrology of great dustfall of Nov. 13, 1933, 62:15
- ALEXANDER, E.E.– Snow rollers at Spokane, 23:381
- ALEXANDER, Gen. E.P.– Destructive forces of hurricanes and conditions
of safety and danger, [il], 24:153–56
- _____, St. Elmo's fire, 26:565
- _____, Storm waves of South Carolina and Texas, 28:381
- ALEXANDER, George W.– Diurnal variability of humidity in northwestern
Washington, 57:65
- _____, Fire weather and fire climate, 58:370–72
- _____, Frequency and persistence of low relative humidity in
state of Washington, 56:129–34
- _____, Intensive studies of local conditions as aid to forecasting fire weather, 51:561–63
- _____, Lightning storms and forest fires in State of Washington, 55:122–29
- _____, Weather and Berkeley fire, 51:464–65
- ALEXANDER, William H.—Additional observations on St. Kitts hurricane, 27:409–10
- _____, Climatology of Antigua, W.I., 29:165–67
- _____, Climatology of Porto Rico from 1867 to 1905 inclusive, 34:315–24
- _____, Climatology of St. Kitts, 27:583–87; 28:330–33; 29:257–58
- _____, Climatology and water power of Porto Rico, 30:522–23
- _____, Distribution of thunderstorms in United States, 43:322–40; 52:337–43; 63:157–58
- _____, Flood of Jan. 1880, at Basseterre, St. Kitts, W.I., 27:196
- _____, Frost and fruit in southern Ohio in 1917, 49:232–34
- _____, Hailstorms in Porto Rico, 31:233–34
- _____, Possible case of ball lightning, 35:310–31
- _____, Rainfall on island of St. Kitts, W.I., 28; 487–88
- _____, Recent floods in Rio Grande Valley, Sept. 1904, 32:466
- _____, Reforestation and rainfall in Leeward Islands, 29:294–56
- _____, Relation of rainfall to mountains, 29:6–8
- _____, Thunderstorms at Antigua, W.I., 28:380–81
- _____, Tornadoes of April 1922 in Ohio, 50:187
- ALEXANDER, W.H., C.F. BROOKS and G.H. BURNHAM– Thunderstorms
in Ohio during 1917, 52:343–48

- ALGUÉ, Rev. José– First electric storm recorded automatically
in St. Louis, Mo., 32:273–74
- _____, resignation of, from Philippine Weather Bureau, 53:542
- ALLAN, S.J.– Radioactivity of freshly fallen snow, 30:576–77
- ALLARD, H.A., and W.W. GARNER– Effect of relative length of day and night and other
factors of environment on growth and reproduction in plants, 48:415
- ALLEN, Cecil A., and D. MOYLE’s flight over northwestern Pacific, 59:505–06
- _____, Fruit-frost work of Weather Bureau in upper San Joaquin Valley, 57:424–25
- ALLEN, Ethan– Permanence of climatic conditions, 35:7
- ALLEN, Henry L.– Records of kite corps at Bayonne, N.J., 27:251–52
- _____, Temperatures obtained by kites at Bergen Point, N.J., 26:161
- ALLEN, Richard J.– Nile floods and Indian monsoons, 28:252
- ALLEN, Robert G.– Destruction by lightning in New York State, Aug. 1898, 26:357–58
- ALLEN, S.J.M.– Radioactive deposit from atmosphere on uncharged wire, 43:594–95
- ALLUARD’s communication on increase of temperature with altitude, Nov. 1878, p.12
- _____, Observations on temperature inversions at Puy de Dome,
May 1880:16; Dec. 1882:25–26
- ALPS, H.F., and O.H. HAMMONDS– Layer measurements of snow on
ground near Summit, Cal., 48:519–20
- ALTER, Dr. Dinsmore– Application of Schuster’s periodogram to long rainfall records,
beginning 1748, 52:479–87
- _____, Correlation periodogram investigation of English rainfall, 61:345–50
- _____, Criteria of reality in periodogram, 54:57–58
- _____, Critical test of planetary hypothesis of sun spots, 57:143–46
- _____, Examination by means of Schuster’s periodogram of rainfall data
from long records in typical sections of world, 54:44–56
- _____, Group or correlation periodogram, with application to rainfall
of British Isles, 55:263–66
- _____, Investigations of rainfall periodicities between 1 1/6 and 2 1/2 years by use
of Schuster’s periodogram, 55:60–65
- _____, New analysis of sun spot numbers, 56:399–401
- _____, Note on British isles rainfall prediction, 58:25
- _____, Note regarding previous use of correlation periodogram by Clayton, 55:413
- _____, Possible rainfall period equal to one-ninth
the sun spot period, 49:74–83, 133–34
- _____, Study of possibility of economical value in statistical
investigations of rainfall periodicities, 55:110–12
- ALTER, J. Cecil– Alfalfa seed growing and weather in Utah, 47:330–32
- _____, Atmospheric pressure and mine gases, 49:294
- _____, Avalanche at Bingham, Utah, 54:60–61
- _____, Climate and alfalfa seed, 49:395
- _____, Cooperative Weather Bureau observers of Utah, 40:272–74
- _____, Does frost fighting pay in Utah? 40:606–08
- _____, Forecasting minimum temperatures in Utah, Suppl. 16, pp.46–49
- _____, Hailstorm at Lehi, Utah, [il], 48:451–52
- _____, Method of preserving rainfall, 35:511

- _____, Mud floods in Utah, [il], 58:319–21
- _____, Normal precipitation in Utah, 47:633–36
- _____, Precipitation versus snow surveys for predicting stream discharge, 54:160–61
- _____, Seasonal precipitation measurements, 38:1885–86
- _____, Some effects of surface slope on climate, 40:929
- _____, Some winter weather signs in Utah, 47:736–39
- _____, Using weather records, 51:650–52
- _____, Value of mountains to climatic safety for fruit grower, 39:1248–49
- _____, Weather Bureau exhibit at San Francisco, 1915, [il], 43:452–54
- _____, Weather and daily stream flow for hydro-electric plants, 47:307–09
- _____, What is a desert? 38:1259
- _____, Where snow lies in Summer, [il], 39:758–61
- _____, Why snow slides from mountain slopes, 40:608–09
- ALTER, J.C., and A.H. THIESSEN— Measuring snow layer
in Maple Creek canyon, Utah, 41:448
- ANDERSON, Lieut. Joseph B.— Observations from airplanes
of cloud and fog conditions along southern California coast, [il], 59:264–70
- ANDERSON, V.G.— Influence of weather conditions on amounts of nitric acid and
nitrous acid in rainfall near Melbourne, Australia, 43:345–46
- ANDREE, H.J.— Flood in Willamette Valley in February and March 1910, 38:474–75
- ANDRÉN, L.— Computation and measurement of complex molecules
of some vapors..., 45:452–53
- ANDROS, S.O.— Humidity of the air in mines, 41:198
- ANDRUS, Clarence G.— Application of Bjerknes lines to development
of secondary lows, 49:11–12
- _____, Ceiling and visibility in northeastern United States, 58:198–99
- _____, Chicago snowstorm of March 1930, 58:376
- _____, Dust storm of Jan. 22, 1933, over sections of Illinois, Indiana,
and Michigan, 61:17
- _____, Example of widespread bumpiness in air, 55:494–95
- _____, Meteorological aspects of International Balloon Race, from Detroit, Mich.,
Sept. 10, 1927, 55:493–94
- _____, Meteorological notes on formation of ice on aircraft, 58:22–24
- _____, Notes on line squalls, 57:94–96
- _____, Parhelic circle and halos observed at Lansing, Mich., May 19, 1919, 47:339
- _____, Solar halo of May 11, 1915, at Sand Key, Fla., 43:213–214
- _____, Southerly winds at high altitudes over Lansing, Mich.,
during sleet storms of Jan. 1920, 48:400–01
- _____, 22° halo with upper and lower tangent arcs, [il], 43:497–98
- ANGENHEISTER, G.— Annual march of temperature in Samoa, 49:613
- ANGOT, Prof. Alfred— Electric paragreles, 42:166–67
- _____, Low pressure at Paris, Nov. 18, 1916, 44:679
- _____, Method for classifying summers, 42:628–29
- _____, Method for classifying winters, 42:625
- _____, Rainfall and gunfire, 48:450–51
- _____, Simultaneous variations of sunspots and of terrestrial

atmospheric temperatures, 31:371–73
 ____, Thunder and hail in Paris region, 44:679
 ____, Variability of temperature, 44:392
 ____'s 'Elementary Meteorology', review of, 26:563–64
 ____'s memoir on distribution of rainfall in France and western Europe, 30:237–41
 ____, presentation of Symons memorial medal to, 45:606
 ANGSTRÖM, Dr. Anders– Application of heat radiation measurements..., 49:27
 ____, New instrument for measuring sky radiation, [il], 47:795–97
 ____, Note on Brennan's method of determining altitude
 in atmosphere above sea level..., 59:234
 ____, Note on comparisons between pyrliometers..., 47:798–99
 ____, Radiation and temperature of snow and convection of air at its surface, 51:361
 ____, Solar constant and sunspots, 49:460
 ____, Solar and terrestrial radiation, 52:397
 ____, Some problems relating to scattered radiation from sky, 47:797–98
 ANGSTRÖM, Dr. Anders– Uniformity of symbols used
 in publications on actinometry, 59:354
 ____, Unit of radiation used in meteorological treatises on actinometry, 55:364
 ____'s 'albedo of various surfaces of ground', Kimball's review of, 54:453
 ____'s instruments, discrepancies between, and Smithsonian, Abbott on, 48:147–49
 ____'s paper on atmospheric transmission of sun radiation and on
 dust in air, Kimball on, 57:381–82
 ____'s paper on radiation and climate, Kimball on, 54:417–19
 ____'s paper on radiation and temperature of snow and convection of air
 at its surface, 48:39
 ____'s paper on recording of solar radiation of Stockholm, Kimball on, 57:98–99
 ____'s pyrliometer, [il. Pl. I], 29:454–58
 ____'s pyrliometer, comparison of, with Callendar sunshine recorder,
 Patterson on, 45:400
 ____'s pyrliometer, comparison of, with Smithsonian, Angström on, 47:798–99
 ____'s pyrliometer, observations of solar radiation with,
 Asheville and Black Mountain, N.C., [il], 31:321–34
 Asheville and Black Mountain, N.C., [il], 31:321–34
 ____'s pyrliometer, observations of solar radiation with, Providence, R.I., 31:275–80
 ____, and C. DORNO– Registration of intensity of sun and
 diffused sky radiation, 49:135–38
 ANGSTRÖM's, Prof. Knut, paper on atmospheric absorption, 29:268
 ANGSTRÖM–CHWOLSON actinometer, [il], 35:172
 ANTEVS, Ernest– Big trees as climatic measure, 53:449–50
 ARCHENHOLD, Dr. F.S.– Noctilucent clouds and unpublished measurements of
 their velocity, 56:278–80
 ARCHIBALD, E. Douglas– Droughts, famines, and forecasts in India, 28:246–48
 ____, Efficiency of wind-mills, 25:164–65
 ____, Kites, 25:164
 ____, Ocean ice, June 1882:8–9
 ARCHIBALD's work with kites, 33:404

ARCTOWSKI, Henryk– Climate of glacial epoch, 37:26–27
_____, Normal anomalies of mean annual temperature variations, 45:413
_____, Storm frequency changes in United States, 43:379–89
_____, Sun spots, magnetic storms, and rainfall, 45:538–39
ARGENTA's, J.J.B., photograph of mountain shadow, 22:510
ARISTOTLE's meteorology, Fobes' edition of, 47:417–18
ARMINGTON, J.H.– Are present methods in cooperative
 climatological work effectual?, 58:453–55
_____, Lake region– general features, 37:1036–37
ARMSTRONG, Ellis L.– Precipitation trends, 63:99–100
ARMSTRONG, Harry– Hourly distribution of rainfall at Mobile, Ala., 62:200
ARNOLD, James W.– Clonmel tornado of May 22, 1923, 51:264
_____, Hailstorm of March 3, 1920, at Broken Arrow, Okla., 48:158
ASCHAN, Roger– Blowing of wind, 48:40–41
ASHCRAFT, Charles E., jr.– Lightning from cloudless sky, 28:489
ASHENBERGER, Albert– Hurricane of July 5–6, 1916, at Mobile, Ala., 44:402–03
_____, Report on flood in Tombigbee and Black Warrior rivers in Alabama
 during Jan.–March 1913, 41:516
_____, Tornado in Mobile county, Ala., 32:319
_____, Tropical storm of Sept. 13–14, 1912, 40:1307
_____, Two watersprouts in Mobile Bay, June 12, 1925, 53:309
_____, Watersprout in Mobile Bay, July 27, 1929, 57:296–97
ASHER, C.D.– Windstorm at Independence, Cal., Feb. 12, 1923, [il], 51:82–83
ASHLEY, Alexander McC.– Long range seasonal forecasts for
 Pacific coast states, 29:16–19
ASKAMP, Joseph– Winter injury of fruit trees, 47:849–50
ASPINWALL's, Dr. F.E., thermometer scale, 55:24
ASSMANN, Prof. Richard– Balloon ascensions of Nov. 14, 1896, 24:457–58
_____, Celebration of semi-centennial of Royal Prussian
 Meteorological institution, 25:492
_____, Temperature of air above Berlin, 32:177–80
_____, Year of simultaneous kite ascensions at Berlin and Hamburg, 33:258
ASSMANN, retirement of, 42:183–84
ASSMANN's sounding balloons at St. Louis exposition, 32:521–22
ASTON, F.W.– Simple form of apparatus for estimating oxygen content of air from
 upper atmosphere, 47:807–8
AUSTIN, A.O.– Lightning investigation as applied to airplane, 59:259–64
AUSTIN, L.W.– Our present knowledge concerning atmospheric disturbances
 of radiotelegraphy, 52:220–21
_____, preliminary observations on solar activity and radio reception, 55:237–38
AZZI, G.– Problem of agricultural ecology, 50:193–96

AUTHOR INDEX - B

- BACON, John L.— Some problems of Boulder Canyon—Colorado river development, 59:295–97
- BACON, Marshall L.— Waterspout near Tarrytown, N.Y., July 16, 1904, [il], 34:272–73
- BAIER, Julius— Low pressure in St. Louis tornado, 24:332
- BAILEY, Prof. L.H.— Instructions for taking phenological observations, 24:328–31
- BAKER, F.S.— Some field experiments on evaporation from snow surfaces, 45:363–66
- BAKER, Dr. H.B.— Cause of pneumonia, 14:334
- BAKER's, Henry B., letter on tidal wave of July 21, 1883, at Harbor Point, Mich., 11:165
- BAKER, O.E., C.F. BROOKS, and R.G. HAINSWORTH— Graphic summary of seasonal work on farm crops, 47:323–37
- _____, and O.C. STINE— Climate of cotton belt, 47:487–89
- BAKER, Richard F.— Preliminary measurements of ultraviolet at Blue Hill Meteorological Observatory, 63:221–22
- BALCH, Edwin S.— Evaporation underground, 29:545–46
- BALDIT, Albert— Certain cases of diminution of wind velocity with altitude, 47:855
- _____, “Storms of cold” and their paths, 48:161
- BALDWIN, Evelyn B.— Auroral observations on second Wellmann Expedition made at Franz Josef Land, 29:107–15
- BALDWIN, H. McP.— Notes on droughts and hot weather during Spring and Summer of 1913, in vicinity of Dodge City, Kan., 41:1437–38
- BALDWIN, Henry I.— Comparison of indications of house thermometers in winter, 48:712–13
- _____, interesting observation of atmospheric ozone, 47:807
- BALL, Frank M.— Present day climates in their time relations, 34:201–05
- BALL, Hector L.— Climate and crop report, 1898, Alaska, 26:548–50
- _____, Weather Bureau service in Alaska, 26:254
- BALL, Homer W.— Meteorological course given in Signal Corps school at Camp Alfred Vail, N.J., during 1920, 49:85–87
- _____, Royal Center aerological station, [il], Suppl. 14, pt. 3
- BALLARD, J.C.— Diurnal variation of free-air temperature and of temperature lapse rate, 61:61–80
- _____, Some results of sounding-balloon observations during Aug. 1932 to Aug. 1933, 62:45–53
- _____, Sounding-balloon observations at Omaha, Nebr., Jan. 1934, 63:49–52
- _____, Table for facilitating computation of potential temperature, 59:199–200
- _____, Wagner's “Climatologie der Freien Atmosphäre”, 60:59–60
- _____, and W.B. DRAWBAUGH— Effect of temperature on pressure elements of Friez aerometeorograph, 62:53–54
- BAMFORD, Capt. A.J.— Some observations of upper air over Palestine, 48:218
- BAMLER, Dr. K. — Scientific ballooning and weather forecasts, 36:283–84
- BANERJI, S.K. — Electric field of overhead thunderclouds, 58:252
- BANGS, N.H., and C.F. BROOKS — Severe winter in Europe, 1928–29, 57:58–60
- _____, and C.E. KOEPPE— Climate of China, 56:1–7

BANVARD, E.– Atmospheric dust in Gulf of Mexico, 35:583

BARBOSA, Lauro D., and A.B. SERRA– Temperatures in lower 5 kilometers of troposphere above Rio de Janeiro, 63:190–91

BARBOUR, Prof. George B.– Waterspout and tornado within typhoon area, 52:106–08

BÁRCENA, Mariano, successor to, 27:366

BARK, Don H.– Duty of water investigation in Idaho, 39:943–45

_____, influence of soil mulches in checking evaporation, [il], 38:1098

BARNARD, E.E.– Great aurora of June 16, 1915, 43:445

BARNES, Carleton P.– Keyser on inland empire long-period rainfall riddle, 58:498

BARNES, Prof. Howard T.– Formation of anchor ice, or ground ice, at bottom of running water, 34:465–67

_____, rise of temperature associated with melting of icebergs, 40:1754–56

BARNES' "ice formation", 35:225–27

BARRON, William E.– Flood in lower Mississippi (Vicksburg district) Spring 1916, 44:295–97

_____, Flood in Mississippi river from Cape Girardeau to New Madrid, Mo., 1922, Suppl. 22, p. 20–23

_____, Flood in Mississippi river from Cape Girardeau to New Madrid, Mo., 1927, Suppl. 29, p. 40–42

_____, Solar halo at Vicksburg, Miss., April 24, 1917, 45:207

_____, Thunderstorm of May 22, 1910, at Cairo, Ill., 38:717

_____, J.L. KENDALL, and R.A. DYKE– Hail, April, 21, 1929, in Kentucky, Illinois and Louisiana, 57:157–58

BARTLETT, James L.– Climate of Madison, Wis., 33:527–34

_____, Influence of small lakes on local temperature conditions, 33:147–48

_____, Study of practice forecasting, 34:523–26

BARWICK, James A.– Dry northers of California, 23:212

_____, Electric storms of California, 25:539–40

BASCHIN, Otto– Winter severity as climatic factor, 48:42

BASSLER, S.S.– Floods in Ohio and central Mississippi rivers, 26:92

BATE, H.C.– Biographical note on E.O. Nathurst, 31:473

_____, Tornadoes in Tennessee, 37:152–53

BATEMAN, Dr. Harry– Döppler's principle for windy atmosphere, 45:441–42

_____, influence of meteorological conditions on propagation of sound, 42:258–65

_____, mathematical theory of sound ranging, 46:4–11

_____, some recent researches on motion of fluids, 43:163–70

BATES, Carlos G.– Evaporation as simple index to weather conditions, 51:570–71

_____, new evaporimeter for use in forest studies, [il], 47:283–94

_____, and A.J. HENRY– Streamflow experiments at Wagon Wheel Gap, Colo., [il], Suppl. 17; 49:637–50; Suppl. 30; 56:79–97

BATES, D.C.– Climate of New Zealand, 48:718

_____, New Zealand rainfall in 1914, 43:72

_____, Report on dry period and rain-making experiments at Oamaru, New Zealand, 36:208–13

_____, Bathyrheometer, use of, as anemometer, 45:602

BATTELLI's, Angus, measurement of saturated vapor pressure, 37:5

- _____, Battery, storage, use of, for electrical recording instruments, 27:300-01
- BATTURONI, Prof. G.– Northerners of Vera Cruz, 21:226–27
- BAUER, E., A. DANJON, and J. LANGEVIN– Twilight phenomena on Mont Blanc, 52:540–41
- BAUER, Jacob W.– Average stream flow of Santee river system in South Carolina, 38:1323–25
- _____, flood in Santee river watershed, 36:234–35
- BAUER, DR. Louis A.– Additional note on international Geodetic and Geophysical Union, 47:806
- _____, Concomitant changes in terrestrial magnetism and solar radiation, 43:593–94
- _____, Meeting of International Union of Geodesy and Geophysics at Brussels, July 18–28, 1919, 47:449–50
- _____, Plea for terrestrial and cosmical physics, 37:27–29
- _____, Preliminary meeting of official weather bureau directors at London, July 3–9, 1919, 47:449
- _____, Proposed magnetic and allied observations during total solar eclipse of May 29, 1919, 47:17
- _____, Total solar eclipse of May 29, 1919, at Cape Palmas, Liberia, 47:808–09
- BAUGHAM, W.P.– Frosts of April 6–9, 1898, 26:139–40
- BAUR, Prof. Franz– Changes in solar constant of radiation, 60:242–46
- _____, Eleven year period of temperature in Northern Hemisphere in relation to 11-year sun spot cycle, 53:204–07
- _____, Present states of correlation investigation in meteorology, 58:284–86
- _____, Root problem of macro-meteorology, 56:180–85
- _____, Stimulus and conservation of energy as bases of medical climatology, 51:310–12
- _____, Three to three-and-one-half year periodic pressure oscillation in free atmosphere, 53:392–94
- _____, Variability of temperature in successive months and periodic oscillations of annual temperature in Germany, 50:199–200
- BAVENDICK, Frank J.– Beautiful halo display observed at Ellendale, N.Dak., 48:330–31
- _____, Blizzards and chinooks of North Dakota plains, 48:82–83
- BAXENDELL, Joseph– Local anemometric peculiarities, 28:155
- BAZZANO, Hamlet– National Meteorological Institute of Uruguay, 43:607
- BEALL, F.M.M.– Direction of movements of areas of low pressure, 15:291–92
- BEALS, Edward A.– Annual rise of Columbia river in 1907, 35:304–05; 36:236
- _____, Annual rise of Columbia river in 1908, 36:235–36
- _____, Annual rise of Columbia river in 1909, 37:223–24
- _____, Avalanches in Cascades and northern Rocky Mountains during winter of 1909–10, [il], 38:951–57
- _____, Barometric pressure, winds, and storms of Pacific Ocean, 47:804–05
- _____, Climatology of Deschutes Valley, [il], 38:465–71
- _____, Discussion of thunderstorms and forest fires in California, 51:180–82
- _____, Droughts and hot weather, 44:135–38
- _____, First scientific conference, Pan–Pacific Union, 48:466–67

- _____, Free-air winds over Honolulu and Guam, 55:222–26
- _____, Frost forecasts and protection in Oregon, Washington, and Idaho, 42:587
- _____, How Weather Bureau can help, 44:138–39
- _____, Meteorological centers of action in north Pacific Ocean, 49:330–31
- _____, Northeast trade winds of North Pacific, [il], 55:211–12
- _____, Oregon weather and Bering Sea ice, 28:201
- _____, Semipermanent Arizona low, 50:241–45
- _____, Value of weather forecasts in problem of protecting forests from fire, 42:111–19
- _____, Variations in rainfall, 39:1448–52
- _____, Weather-forecasting meeting of National Electric Light Association in San Francisco, 49:210–13
- BEANS, John C.– Tides and thunderstorms, 33:309
- BECK, Anne L.– Earth’s atmosphere as circular vortex, 50:393–401
- BECKER, L.– Arithmetic mean and ‘middle’ value of certain meteorological observation, 45:543
- BECQUEREL rays, relation of, to meteorology, 30:577–79
- BEDDOW, O. Kenneth, and S.F. WILLIAMS– Analysis of precipitation of rains and snows at Mt. Vernon, Ia., 61:141–42
- BEEDE, A. McG.– Tornado of June 22, 1923, at Fort Yates, N. Dak., 52:261
- BELDEN, William S.– Heat and drought at St. Joseph, Mo., during Summer of 1913, 41:1441
- _____, Mississippi river flood from Helena, Ark., to Vicksburg, Miss., 36:200–02
- _____, Predicting minimum temperatures, Suppl. 16, pp. 32–34
- _____, Rapid decrease in barometric pressure northwest of storm track on Nov. 17, 57:17–18
- _____, Special temperature observations made on low ground in vicinity of Vicksburg, Miss., 35:219–21
- _____, Stages of Mississippi river at Vicksburg, 1872–1903, 31:234
- _____, Thunderstorm without rain, hail, sleet, and snow, 55:133
- _____, Tornado of Jan. 31, 1908, 36:74
- _____, Tornado of March 3, 1923, near Elwood, Kan., 51:209
- _____, Tornado of May 24, 1927, at St. Joseph, Mo., 55:228
- _____, Tornadoes in Mississippi, April 24, 1908, 36:132–33
- _____, Tornadoes in Mississippi, Feb. 1909, 37:112
- _____, Tornadoes in Mississippi, April 6, 1909, 37:153
- _____, Tornadoes in Missouri, 58:208
- BELL’s, Alexander G., kites, illustrations of, 27:April 1899, Chart XI
- BELL, Herbert– New method for determining “g” acceleration due to gravity, 44:573–74
- BELL, Dr. Louis– Note on some meteorological uses of polariscope, 36:144–45
- BEMMELEN, W. Van– Antitrades, 50:90–91
- BEMMELEN’s “Intratropical part of general circulation of atmosphere,” Varney’s review of, 52:441–47
- _____, and J. BOEREMA– Horizontal oscillation of free atmosphere up to 10 km., at Batavia, 46:22
- BENEDICT, Homer B.– Another observation of waterspouts, 49:409
- BENEVENT, M.E.– Snow in French Alps, 47:699

- BENGTSON, Dr. Nels A.– Climate record of Honduras, 57:85–90
- BENNETT, A.C.– Protection from frost, 33:445
- BENNETT, Walter J.– Cold waves and freezing temperatures at Tampa, Fla., 45:123
- _____, Diurnal variations in humidity, 47:466–68
- _____, Harmonic analysis of diurnal barometric curve at Washington, D.C., 34:528–30
- _____, Humidity and vapor pressure at Tampa, Fla., 47:710
- _____, Predicting minimum temperatures, 51:83–84
- _____, Sleet storm in northern New York, March 25–27, 1913, 41:372–73
- _____, Some characteristics of rainy season at Tampa, Fla., 57:323–26
- _____, Storm and cold wave of Dec. 24–29, 1904, 32:561–62
- _____, Tornado of April 5, 1917, at Tampa, Fla., 45:167–69
- _____, Tornado near Canton, N.Y., 39:1176–77
- BENTLEY, Wilson A.– Conical snow, 59:388
- _____, Forty years' study of snow crystals, [il], 52:530–32
- _____, Photomicrographs of snow crystals and methods of reproduction, [il], 46:359–60
- _____, Snow crystals, 29:118
- _____, Snow rollers, [il], 34:325–26
- _____, Some recent treasures of snow, [il], 55:358–60
- _____, Studies of frost and ice crystals, [il. pl. I–XXXI]
35:348–52, 397–403, 439–44, 512–16, 584–85
- _____, Studies in raindrops, 28:158–59
- _____, Studies of raindrops and raindrop phenomena, [il], 32:450–56
- _____, Studies among snow crystals during Winter of 1901–02,
[il pl. I–XXII], 30:607–16
- _____, Twenty years study of snow crystals, [il pl. I–III], 29:212–14
- BENTON, Dr. J.R.– Elasticity at low temperatures, 31:20–22
- BERGERON's, Tor, “Ueber die Dreidimensional Verknüpfende Wetteranalyse,
Bjorkdal on, 59:275–77
- BERGHOLZ, Prof. Paul– Hurricanes of Far East, 30:29–30
- _____, Origin, paths, and limiting zones of typhoons of orient, 27:402–04
- BERLAGE's, H.P., paper on monsoon forecasting for Java, Henry's review of,
55:395–98
- _____, paper on ocean currents the probable cause of 3–year pressure cycle of
tropical South Pacific, 57:384–85
- BERNACCHI, Louis– Fresh light on Antarctic, 30:31
- BERNHEIMER, W.E.– Radiation and temperature of sun, 57:412–17
- BERRY, E. Willard– Meteorological observations at Negritos, Peru, Dec. 1924 to
May 1925, 55:75–79
- BERRY, James– Climate and cop service publications, 27:150
- _____, methods employed in distribution of weather forecasts, 29:14–15
- _____, proceedings of second annual convention of American Association of State
Weather Services, 21:228–32
- BERRY, William J.– Midwinter shower in North Dakota, 56:15–16
- BERSON, Dr.– Ascension of balloon “Cirrus”, 24:415
- BESSON, Dr. Louis– Attempts at methodical forecasting of weather, 32:311–14
- _____, Circumhorizontal arc, 30:486–87

- _____, Comparison of meteorological data with results of chance, 48:89–94
- _____, Concerning halo of 46°, 50:310
- _____, Concerning halos of abnormal radii, 51:254–55
- _____, Different forms of halos and observation, [il], 42:436–46
- _____, Halos of Nov. 1–2, 1913, [il], 42:431–36
- _____, Influence of temperature on number of deaths from infantile diarrhea at Paris, 49:156
- _____, New nephoscope, 32:13–14
- _____, Probability of rain, 52:308
- _____, Rainfall capacity of “equatorial current” periodic factor in climate, 53:260
- _____, relation between meteorological elements and number of deaths from inflammatory diseases of respiratory organs at Paris, 48:507
- _____, vertical components of movement of clouds measured by nephoscope, 31:22–24
- BESSON’s instrument for measuring direction and force of wind, 25:540
- BETTS, Arthur– irrigation by wire, 27:301–02
- BEZOLD, Prof. Wilhelm von–theoretical meteorology: more particularly thermodynamics of atmosphere, 42:453–55
- BEZOLD’s description of twilight, 44:620–23
- BIGELOW, Prof. Frank H.– Application of mathematics in meteorology, 33:90–92
- _____, Balloon ascension on March 24, 1899, in France, 27:197–98
- _____, catchment of snowfall by means of large snow bins and towers, [il], 38:968–73
- _____, comparison of temperature with magnetic horizontal force, 22:415–16, 460, 504
- _____, connection between sun spots and weather, 23:91–92
- _____, determining probable sky of stations along path of eclipse of May 28, 1900, 25:394–95
- _____, First National Meteorological Congress of Mexico, 30:311–12
- _____, Hann’s meteorology, 30:298–99
- _____, important problems in climatology, 37:979–82
- _____, international cloud work of Weather Bureau, 27:404–05
- _____, Line integrals in atmosphere, 28:535–37
- _____, Mechanism of counter-currents of different temperatures in cyclones and anticyclones, 31:72–84
- _____, meteorological work of U.S. naval eclipse expedition to Spain and Algeria, Aug. 30, 1905, 33:295–96
- _____, meteorology and magnetism, 23:335–36, 371
- _____, method for reducing short-record temperature mean to 33–year normal, 38:656–57
- _____, new magnet-watch integrator, 24:6–7
- _____, observations with kites at Blue Hill Observatory, 1897–1902, 33:137–38
- _____, petrified forests of Arizona, [il], 38:488–91
- _____, probable state of sky along path of eclipse or sun, May 28, 1900, 26:404–05
- _____, proposed observations undertaken during solar eclipse in Spain and Tunis, Aug. 30, 1905, 33:195
- _____, some of results of international cloud work for United States, 28:8–12
- _____, standard system of coordination axes for magnetic and meteorological observations, 35:201–04
- _____, structure of cyclones and anticyclones on 3500–foot and 10,000–foot planes

- for United States, 31:26–29
- _____, studies on circulation of atmospheres of sun and earth, 31:459–66, 509–16; 32:15–20, 71–78, 118, 166–69, 212–16, 260–63
- _____, studies on diurnal periods in lower strata of atmosphere, 33:52–55, 93–97, 132–37, 188–94, 292–95, 356–60
- _____, studies on meteorological effects of solar and terrestrial physical processes, 30:559–67
- _____, studies on phenomena of evaporation of water over lakes and reservoirs, [il], 35:311–16; 36:24–39; 437–45; 38:307–13, 1133–35
- _____, studies on statics and kinematics of atmosphere in United States, 30:13–19, 80–87, 117–25, 163–71, 250–58, 304–11, 347–54
- _____, studies on thermodynamics of atmosphere, 34:9–16, 74–78, 110–16, 265–71, 307–15, 360–70, 470–78, 511–17, 562–72
- _____, studies on vortices in atmosphere of earth, 35:464–80; 36:245–50; 328–33, 398–404; 37:48–53
- _____, Sun spots and weather conditions on earth, 31:474
- _____, synchronous changes in solar and terrestrial atmospheres, 31:9–18
- _____, variation of diurnal range of temperatures with latitude and locality, 30:134
- _____, 's studies on circulation of atmosphere, Woeikof's remarks on, 32:118
- BIGOURDAN, G.– monthly distribution of mean cloudiness over France, 44:644
- _____, propagation to great distances of sound of cannonade at front, 45:442
- BILHAM, E.G.– relation between barometric pressure and water level in well at Kew observatory, 46:26
- _____, use of monthly mean values in climatological analysis, 45:602
- BILLWILLER, Robert– Aqueous exchange between névé and atmosphere, 45:601–02
- BILLY, Joseph, jr.– thunderstorms at Tampa, Fla., 32:457–61
- BIRD, J. Malcolm– winters at New York City, 48:101–02
- BIRKELAND, Prof. Kristian– Possible connection between magnetic and meteorological phenomena, 42:211
- _____, solar corpuscular rays, 44:508
- _____'s “Norwegian Aurora Polaris Expedition”, 37:16–18
- _____'s theory of aurora borealis, 36:129–31
- _____'s theory of zodiacal light, 42:209–11
- BIRT, W.R.– Kite experiments at Kew Observatory, 24:416–17
- BISCOE, F.– temperature and radiation of sun, 44:508
- _____, Bishop's ring, April 10, 1932, Australia, 60:193
- BJERKNES, J.– structure of moving cyclones, 47:95–99
- _____, and M.A. GIBLETT– Analysis of retrograde depression in eastern United States of America, 52:521–27
- _____, and H. SOLBERG's article on meteorological conditions for formation of rain, Henry's review of, 50:402–04
- _____, and H. SOLBERG's “Life cycle of cyclones and polar front theory of atmospheric circulation”, Henry's review of, 50:468–74
- BJERKNES, Prof. Vilhelm– C.G.S. system and meteorology, 42:143–44
- _____, dynamic principle of circulatory movements in atmosphere, 28:434–43, 532–35

- _____, Importance of wireless weather reports from Greenland, 50:16–17
- _____, laws of atmospheric circulation, 28:250
- _____, meteorology as exact science, 42:11–14
- _____, meteorology of temperate zone and general atmospheric circulation, 49:1–3
- _____, possible improvements in weather forecasting, 47:99–100
- _____, relation between movements and temperatures of upper atmosphere, 48:159
- _____, structure of atmosphere when rain is falling, [il], 48:401
- _____, temperature of upper strata of atmosphere, 48:160
- _____, weather forecasting, 47:90–95
- _____'s theory of cyclones, application of, to aerological data of Madison, Wis., Pippo on, 56:47–53
- _____'s theory of cyclones, relation of aerological soundings to, 55:132
- _____'s theory of sunspots, 54:507
- BJORKDAL, Erik– Tor Bergeron's "Über die Dreidimensional Verknüpfende Wetteranalyse", 59:275–77
- BLACKSTOCK, Ira B.– Hardtner, Kans., tornado of June 2, 1929, [il], 58:325
- BLAIR, Thomas A.– Coefficient of persistence, 52:350
- _____, Hailstones of great size at Potter, Nebr., [il], 56:313
- _____, Influence of snow cover on temperature distribution in Utah, Jan. 1919, 47:165–66
- _____, Local forecast studies–summer rainfall, 49:183–90
- _____, Local forecast studies–winter precipitation, 52:79–85
- _____, Mississippi river flood from below La Crosse, Wis., to Dubuque, Ia., Suppl. 22:16
- _____, northers of Sacramento Valley, 37:132–33
- _____, note on trade winds in Hawaii, 51:525–26
- _____, prolonged dry period in Minnesota, 40:1814–15
- _____, rainfall and Spring wheat, 41:1515–17
- _____, relation between winter temperature and precipitation, 59:34–35
- _____, some temperature correlations in United States, 45:444–50
- _____, statistical study of weather factors affecting yield of winter wheat in Ohio, 47:841–47
- _____, Summer and Autumn pressure anomalies affecting Winter temperatures in upper Mississippi Valley, 58:53–58
- _____, temperature and spring wheat in Dakotas, 43:24–26
- _____, tropical storm west of Hawaii, 51:414–15
- _____, two series of abnormal winters, 59:196–97
- _____, and A.G. TOPIL– relation of seasonal temperatures in Missouri and upper Mississippi valleys... 63:159–61
- BLAIR, William R.– Alternate deposition of rauhreif and rauheis, [il], 45:19
- _____, Baltimore meeting of American association for Advancement of Science, 36:420–21
- _____, Drexel aerological station, [il], Suppl. 3, pt. 3
- _____, free-air data at Drexel aerological station, Oct.– Dec. 1915, Suppl. 3, pt. 4
- _____, free-air data at Drexel aerological station, Jan.– March 1918, Suppl. 5

- _____, free-air data at Drexel aerological station, April–June 1916, Suppl. 7
- _____, free-air data by means of sounding balloons, Fort Omaha, Neb., July 1914, 44:247–64
- _____, free-air data in southern California, July and Aug. 1913, [il], 42:410–26
- _____, meteorological observations on board U.S. coast guard cutter “Seneca”, April–July 1915, [il], Suppl. 3, pt. 2
- _____, note on distribution of moisture in atmosphere, 43:312–13
- _____, planetary system of convection, 44:186–96
- _____, slope and valley air temperature, 44:677–79
- _____, sounding balloon ascensions at Fort Omaha, Neb., May 8, 1915, Suppl. 3, pt. 1
- _____, Villard’s theory of aurora, [il], 34:572–73
- BLAKE, Dean– Further conclusions from additional observations in free air over San Diego, Cal., 62:195–99
- _____, Mexican west coast cyclones, 63:344–48
- _____, Remarkably low humidities aloft over San Diego, Cal., 61:170
- _____, Sonora storms, 51:585–88
- _____, Storm types and resultant precipitation in San Diego area, 61:223–25
- _____, Temperature inversions at San Diego, as deduced from aerographical observations by airplane, 56:221–24
- _____, Tropical cyclones in southern California, 57:459–60
- BLAKE, F.L.– Cloud observations at Toronto, 25:19–20
- BLAKE’s, W.G.– report on thermal belt in Polk county, N. Car., 15:234
- BLANDFORD, Samuel M.– Some features of climate of Idaho, 29:19–20
- _____, Water supply and snowfall, Idaho, 28:494–95
- _____,’s report on lumps of ice as hailstones, 22:293
- BLISS, E.W., “British winters in relation to world weather”, 55:79
- _____, and G.T. WALKER’s “World Weather”, part 3, review of, 56:373
- BLISS, George S.– Forecasting minimum temperatures, Suppl. 16:31
- _____, Forecasting minimum temperatures for cranberry bogs of New Jersey, 50:529–33
- _____, Frost on cranberry bogs of New Jersey, 52:212–14
- _____, Importance of meteorological data in engineering, 40:1446–47
- BLOCHMAN, L.E.– Five years of ocean mapping and its forecast value, 56:315–17
- _____, Study of seasonal forecasting for California based on analysis of past rainy seasons, 53:489–93
- BLODGET’s, Lorin, “Climatology of United States”, appreciation of, 42:23–27
- BLOWERS, Lieut., and Capt. R.A.F. LANG’s altitude record, 47:28
- BLYSTONE, Montello E.– Glaze storm in South Dakota, Nov. 18–20, 1930, 58:466–67
- _____, section director and cooperative observer, 60:217–19
- _____, tornadoes in South Dakota, July 8, 1922, 50:362
- BODE, Prof. Irwin T.– Influence of forest areas in nonforested regions upon evaporation..., 48:657–58
- BOEREMA, J., and W. van BEMMELEN– Horizontal oscillation of free atmosphere up to 10 km., at Batavia, 46:22
- BOERNSTEIN’s measurement of saturated vapor pressure, 37:5
- BOGGS, Edward M.– Ball lightning, 26:565
- BOGUE, A.H.– Estimating yield of grain from weather, 62:334–37

BOGUE, Prof. E.E.– Annual rings of tree growth, 33:250–51

BOLSTER, R.H.– Cyclonic storm of July 1, 1920, ... 49:199–200

BOLTON, Dr. Henry C.– Origin of word ‘barometer’, 31:87

BOLTON, S.– Surface currents of Jupiter, 44:660; 45:443

BONACINA, L.C.W.– Barogram analysis in weather forecasting, 52:451

_____, Climate defined: its constituent element, causatic factors, 49:390

_____, Definition and scope of climatology: 49:390

_____, Earth’s windbelts as factors of climate, 49:391–93

_____, Question of ‘abnormalities’, 53:164–65

BOND, W.N.– Wide-angle lens for cloud recording, 50:592

BONNETT, Walter E.– Cloudburst near Citrus, Cal., 32:358

_____, Early rain at Fresno, Cal., in September, 38:1423

_____, Forecasts for raisin makers, 38:1593

_____, Frost fighting in California vineyards, 39:611–12

_____, Note on weather at Fresno, Cal., during Jan. 1913, 41:119–20

_____, Note on weather of month (Jan. 1911) at Fresno, Cal., 39:120

_____, Note on weather conditions in San Joaquin Valley for Dec. 1911, 39:1909

_____, Weather at Fresno, Cal., during Feb. 1912, 40:281

_____, Weather in San Joaquin Valley, 39:1422

BOONE, W.W.– Origin and progress of land drainage in Bolivar county, Miss., 39:402–03

BOREL, C. and A. JAQUEROD– Variations in density of air, 49:281

BORMANN, Walter R.– Development of water power in Wisconsin..., 41:1020–23

_____, Seiches in lower Lake Michigan in May 1912, 40:1334–35

_____, Tornadoes in Wisconsin on Oct. 10, 1913, 41:1514–15

BORT, TEISSERENC de, See: TESSERENC DE BORT

BOSLER, J.– Rotation of solar corona, 43:502

BOTTS, Adelbert K.– Rainfall of Salvador, 58:459–66

BOURNE, E.D.– Ice columns in gravelly soil, 36:98

BOUTARIC, A.– Intensity of nocturnal radiation at high elevations, 48:284

_____, Nocturnal radiation on Mount Blanc, 49:666

_____, Observations of polarization and solar radiation on Mont Blanc, 50:92

_____, Relation between absorption of solar radiation by atmosphere and polarization of diffuse sky light, 49:26

_____, Variation of nocturnal radiation during still, clear nights, 49:27

BOUYOUCOS, George– Degree of temperature to which soils can be cooled without freezing, 48:718

BOUZON’s, Justin, letter on old records of Haiti, 34:126

BOWER, Earl V.– Tornado of Oct. 9, 1913, at Lebanon, Kan., 41:1528

BOWIE, Edward H.– Anomalous storm tracks, 50:137–41

_____, Formation and movement of West Indian hurricanes, 50:173–79

_____, Hurricane of Oct. 25, 1921, at Tampa, Fla., 49:567–70

_____, Ice patrol over North Atlantic ocean, 42:232–33

_____, Long dry season of 1929 in Far West, 57:449–51

_____, Pressure-change charts, 44:132–33

_____, Relation of extremes of normal daily temperature to solstices, 63:248–50

- _____, Relation between storm movement and pressure distribution, 34:61–64
- _____, Remarkable occurrence of cyclones in series, 61:266–67
- _____, Summer nighttime clouds of Santa Clara Valley, Cal., 61:40–41
- _____, West coast atmospheric fault, 57:332–34
- _____, 's discussion of Beals' "Semipermanent Arizona Low", 50:345
- _____, 's "Weather and Airplane", review of, 57:298
- _____, and R.H. WEIGHTMAN– Types of anticyclones of United States and their average movements, Suppl. 1
- _____, and R.H. WEIGHTMAN– Types of storms of United States and their average movements, Suppl. 1
- BOWMAN, Paul, and H. RIBBLE– Substances in rains and snows, 54:424
- BOYER, Harry B.– Anomalous and sporadic auroras, 26:260
- _____, Destructive gust at Jupiter, Fla., following Miami hurricane, 54:416
- _____, Tornado at Savannah, Ga., May 1, 1909, 37:177
- _____, West Indian hurricane of Sept. 29–Oct. 2, 1898, 26:440
- BOYNTON, H.R.– Waterspouts at Key West, Fla., [il pl.I–II], 27:351–52
- BOYS, Prof. C.V.– Passage of sound through atmosphere, 32:329
- BRAAK, C.– Long-range forecasting in Java, 48:414–15
- BRABY, H.W.– and C.E. P. BROOKS– Clash of trades in Pacific, 49:159
- BRADTKE, Dr. F.– Formula for relation of mean wind velocity to altitude..., 47:707
- BRANCH, L.V.– Pathfinder dam and reservoir, Wyo., with reference to catchment and water supply, [il], 38:736–38
- BRAND, A.– Electric signal apparatus at Atlantic City, N.J., 26:405–06
- BRANDENBURG, E.C.– Drought of 1886 in Dakota and Minnesota, 14:326
- BRANDENBURG, Frederick H.– Colorado river, 47:309–11
- _____, Experimental determination of relation of forests to stream flow, 38:770
- _____, Facilities for systematic study of corresponding weather types, 29:546–47
- _____, Flood in Colorado river, 40:917–18
- _____, Flood in Rio Grande, 39:1562
- _____, Floods in Denver district, May 1914, 42:293–94
- _____, Floods of Rio Grande and Rio Pecos, 39:1068
- _____, Floods in southeastern Colorado, Sept. 1904, 32:465–66
- _____, Floods in southwestern Colorado and northwestern New Mexico, 39:1570–72
- _____, Predicting of minimum temperatures in Colorado, Suppl. 16:37
- _____, Relation of weather to flow of streams, 34:405–06
- _____, Water shortage in lower valley of Colorado, July 1919, 47:507
- _____, Water supply and snowfall, Colorado, 28:493–94
- _____, Weather Bureau cooperation in reclamation work, 31:414–15
- _____, Weather and live stock industry, 27:588–90
- BRANDES' theory of kites, 25:59–60
- BRAZIER, C.E.– Comparability of anemometers, 49: 575
- _____, Influence of velocity of wind on vertical distribution..., 47:708
- _____, Influence of vertical distribution of temperatures on velocity of wind near surface, 47:709
- _____, Relation of wind to gradient in lower layers of atmosphere, 47:709
- _____, Resistance of air to movement of spheres and ascensional rate of pilot balloons,

- 49:574–75
_____, Variation of indications of Robinson and Richard anemometers with inclination of wind, 49:25–26
- BRENNAN, J.F.– Brilliant solar halo at Kingston, Jamaica, May 24, 1919, 47:340
_____, Method of determining altitude in atmosphere above sea level..., 59:75
_____, Relation of May-June weather conditions in Jamaica to Caribbean tropical disturbances..., 63:13–14
- BRESTER's, Dr. A., theory of sun, 45:485
- BRETONNIÈRE, J.– Wind eddies at Constantine, Algeria, 24:311
- BRETSCHER, Dr. K.– Bird migration in central Switzerland in relation to meteorological conditions, 45:451
- BREWER, Lieut. I.N.– Notes on climate in Philippines, 28:102
- BREWER's, Prof. William H., letter on relation between forests and rainfall, 30:229–30
- BREZINA, Ernst, and W. SCHMIDT– Relations between weather and mental and physical condition..., 49:293–94
- BRIGGS, Dr. Lyman J.– Ground temperature observations at St. Ignatius College, Cleveland, O., 30:301
- BRIGGS, Robert R.– Frost protection in Arizona, 42:589
- BRILLOUIN, Prof. Marcel– Atmospheric electricity; origin, variations, and perturbations, 25:440–42
_____, Original memoirs on general circulation of atmosphere, 29:300–04
_____, Winds and clouds, [il], 25:437–39
_____'s theory of atmospheric electricity, 25:446–47
- BRIST, Frederick W.– Flood in Mississippi river from below Cairo, Ill., to mouth of White river, Suppl. 29:42–44
_____, Prediction of minimum temperatures in Gunnison and Uncompahgre Valleys..., Suppl. 16:46
- BRITTON, Mrs. N.L.– Ice storm of March 15–17, 1900, in New York Botanical Garden, 28:155
- BROCH's measurement of saturated vapor pressure, 37:3–4
- BRODRICK, C.T.– Fog on Newfoundland banks, 35:76–78
- BROMBACHER, W.G.– Compensation of altimeters and altigraph for air temperature, 54:343
_____, and H.B. HENRICKSON– Lag of thermometers and thermographs for aircraft, 55:72–73
- BRONSON, B.H.– Snowfall in North Dakota, 23:463
- BROOKS, Dr. Charles E.P.– Continentality and temperature, 47:653–54
_____, East-west oscillation of Icelandic minimum, 51:468–69
_____, Historical data on variation of rainfall in Chile, 47:637–38
_____, Mapping ocean of air, 49:235–36
_____, Period of warm winters in Europe, 51:29
_____, Role of oceans in weather of western Europe, 58:252–53
_____, Sun spots and distribution of pressure over western Europe, 58:25
_____, True mean temperature, 49:226–29
_____, Variation of meteorological elements at St. Helena... 55:187
_____'s article on variations of pressure in British Isles, Henry's review of, 54:378–79

- _____'s "Climate", review of, 58:25
- _____'s paper on effect of fluctuations of Gulf Stream on pressure distribution, Henry on, 55:359–61
- _____, 's "Variation in level of central African lakes, Victoria and Albert", Henry's review of, 52:148–53
- _____, and H.W. BRABY– Clash of trades in Pacific, 49:158
- _____, and J. GLASSPOOLE– Drought of 1921 in British Isles, 50:93
- _____, and W. QUENNEL– Classification of monthly charts of pressure anomaly over Northern Hemisphere, 56:511
- _____, and QUENNEL's memoir on influence of Arctic ice on subsequent distribution of pressure..., 57:99–102
- _____, and G.L. THORMAN's memoir on distribution of temperature over globe, 57:205–06
- BROOKS, Dr. Charles F.**– Boundary between south wind and under-running northeast wind, 48:73
- _____, Cloud cross-section of winter cyclone, 48:26–28
- _____, Cloud nomenclature, 48:513–19
- _____, Clouds in East Texas, June 8, 1918, 47:151–54
- _____, Cold shore water owing to off-shore winds, 48:352–53
- _____, Collegiate instruction in meteorology, 46:555–60
- _____, Cool northeastern high ends hot spell, 57:385
- _____, Cooling of man under various weather conditions, 53:423–24
- _____, Coronas and iridescent clouds, 53:49–58
- _____, Definitions of 'mean', 'average', and 'normal', 46:514–15
- _____, Distribution of snowfall in cyclones of eastern United States, 42:318–30
- _____, Double antisolar corona by reflected sunlight, 53:399
- _____, Forecasting mean winter temperatures for North American interior, 58:117
- _____, General classification of meteorological literature, 47:42–43
- _____, General extent of collegiate instruction in meteorology and climatology in United States, 47:169–70
- _____, "Glacial anticyclones": review, 54:497–98
- _____, Gulf Stream daily thermograms across Straits of Florida, [il], 58:148–54
- _____, Gulf Stream studies: general meteorological projects, 58:103–06
- _____, International meetings in Sept. and Oct. 1931, 59:480
- _____, Iridescent clouds, 48:333–34
- _____, Local, or heat, thunderstorm, 50:281–84
- _____, Looming and multiple horizons, 53:313
- _____, Meteorological program of seventh cruise of "Carnegie", 1928–31, [il], 57:194–96
- _____, Nature of sleet and how it is formed, 48:69–72
- _____, New England snowfall, 45:271–85
- _____, Observing water-surface temperatures at sea, 54:241–53
- _____, Ocean temperatures in long-range forecasting, 46:510–12
- _____, Origin of some secondary cyclones on middle Atlantic coast, 49:12–13
- _____, Parade-ground temperatures at College Station, Tex., 47:801

- _____, Performance in long-range weather forecasting, 55:390–95
- _____, Scarf clouds, [il], 45:361–63
- _____, Sea thermograph installed on “S.S. Munargo”, New York to South America, 58:295
- _____, Sequence of winters in northeastern United States, 49:71–73
- _____, Simultaneous occurrences of lunar halos and coronas, 47:21
- _____, Snowfall of eastern United States, 43:2–11
- _____, Some notes on weather, March 21–23, 1924, Bermuda to New York, 52:161
- _____, Steamship “Meteor” survey of tropical and south Atlantic ocean, 57:60–63
- _____, Thunderstorm top knots, 58:331–32
- _____, Tornado near Fitchburg, Mass., July 17, 1924, 52:393–4
- _____, Types of mammato-cumulus clouds, [il], 47:398–400
- _____, Upwelling cold water on coast of New Jersey, 59:202
- _____, Winds and weather of central Greenland: 51:256–60
- _____, resignation of, 49:303
- _____, travels of, meteorological, 52:161
- _____'s review of Rubinstein's climatic atlas of U.S.S.R., 59:240–41
- _____'s “Why the weather”, review of, 52:451–52
- _____, and others– Effect of winds and other weather conditions on flight of airplanes, [il], 47:523–32
- _____, W.H. ALEXANDER, and G.H. BURNHAM– Thunderstorms in Ohio during 1917, 52:343–48
- _____, O.E. BAKER, and R.G. HAINSWORTH– Graphic summary of seasonal work on farm crops, 47:323–27
- _____, and N.H. BANGS– Severe winter in Europe, 1928–29, 57:58–60
- _____, and P.W. ETKES– Smoke as indicator of gustiness and convection, 46:459–60
- _____, and S.P. FERGUSSON– Heights of cumulus clouds over fires, 47:147–49
- , and E.M. FITTON– Soil temperatures in United States, 59:6–16
- _____, and E.M.FITTON– Weekly succession of Gulf Stream temperatures in Straits of Florida, 58:273–80
- _____, and H. LYMAN– Aurora of March 7–8, 1918, 47:402–12
- _____, and H. LYMAN– Aurora of March 22–25, 1920, and associated displays, 48:279–92
- _____, and C.L. MEISINGER– Note on height and location of aurora spots..., 48:392
- BROOKS, Edward M.– Several cloud spots, 59:482
- BROOKS, Thomas R.– Tornado in southern Maryland, Nov. 9, 1926, 54:462
- BROTZMAN, William S.– Allegheny river ice gorge, Winter of 1926, [il], 54:107–08
- _____, Damaging gas explosion at Pittsburg, Pa., 55:500
- _____, Heavy snowfall of April 27–28, 1928, in upper Ohio Valley, 56:227
- BROUN, J.A.– Sun spots and terrestrial meteorology, Nov. 1878:12
- _____'s law of winds and currents, 26:264–66
- BROWN, Lieut. Arthur W., and J. ALCOCK's successful non-stop trans-Atlantic flight, 47:416
- BROWN, Charles N.– Mirage after sunset, 33:323
- BROWN, Prof. W.V.– Proposed classification and index of weather maps as aid in

weather forecasting, 29:547–8
 BROWNE, W.W., and C.E.A. WINSLOW– Microbic contents of indoor and outdoor air, 42:452–53
 BRUECKER, Joseph– Correspondences in European and American weather, 23:56
 BRUECKNER cycle, United States, Henry on, 54:507
 BRUNER, W.D.– Movement of thunderstorms against wind, 23:383–84
 BRUNHES, Bernhard– Action of horizontal air current upon vertical whirlwind, 35:168
 _____, Proposed competition in forecasting at Liege, 33:11
 BRUNIG, M.P.– Relation of weather conditions to wireless audibility, 50:634–38
 BRUNNER, Prof. W.– Smoothed monthly means of sun spot relative numbers, 1920–29, 59:37
 BRUNT, David– Internal friction in atmosphere, 48:533–34
 _____, Some problems of modern meteorology, 58:419–22
 _____, Tornadoes started by oil fire, 55:24–25
 _____’s “Meteorology”, review of, 57:256
 BRUSH, Judson W.– Quintuple solar halos, 47:340
 BRYANT, W.W.– Pitfalls of meteorological periodicities, 46:25–26
 BUCHAN’s, Alexander, remarks on rainfall, 30:242–43
 BUCHANAN, J.E.– Early meteorological data for Saline, Mich., 36:105–07
 BUCHHEIM, W., and H. DEMBER– Measurements of atmospheric electricity on Teneriffe, 46:211
 BUCKINGHAM, Dr. Edgar– Energy in unit of light, 32:170–72
 _____, Note on radiation formulas and principles of thermometry, 31:178–80
 _____, Physics and meteorology, 30:446
 BUCKINGHAM, H.– Southwest or wet chinook, 35:175–76
 BUNCH, Sterling, and C.P. OLIVIER– Tennessee fireball of Aug. 21, 1933
 BUNNEMEYER, Bernard– Drought of 1913 in Texas, 41:1448–49
 _____, Flood of Sept. 26 to Oct. 7, 1917, in Rio Grande Valley, 45:462
 _____, Floods in Texas during April and May 1915, 43:186–89
 _____, Reports of Texas hurricanes of July 21, 1909, [il], 37:351–55
 _____, Texas floods of Sept. 1921, 49:491–94
 _____, Tornadoes of April 1922 in Texas, 50:184
 _____, Tornadoes in Texas, 37:111
 _____, Tropical storm of June 22, 1921, 49:335
 BUREAU, R., A. VIAUT, and A. GRET– Recorder of frequency of atmospheric, 55:237
 BURGE, W.E.– Effect of ultra-violet light on eye, 43:502
 BURGER, H.C.– Evaporation from circular surface of liquid, 47:858
 BURKE, Edmund, and R.M. PINCKNEY– Montana rainfall, 48:285–87
 BURKE, Frank B.– Tornado of March 27, 1890, at Louisville, Ky., 18:74–75
 BURNHAM, Guy H.– Weather element in railroading, [il], 50:1–7
 _____, W.H. ALEXANDER, and C.F. BROOKS– Thunderstorms in Ohio during 1917, 52:343–48
 BURNS, William G.– Dissemination of daily weather forecasts by telephone, 32:311
 _____, Heavy rainfall of Oct. 3–6, 1910, in Illinois, 38:1504
 BURRILL, M.F.– Nichols on meteorological and forest fire hazard conditions in Quebec, 57:297–98

BURROWS, O.C.– Floods, July 1909, from Kansas City to St. Louis, Mo., 37:399–400
_____, Floods between Hannibal, Mo., and St. Louis, Mo., 36:207–08

BURTON, H.K.– Snow surveys in Big Cottonwood canyon, Utah, 1912–16, 44:360–61
_____, Snow survey of Big Cottonwood watershed, 41:770–71

BUSH, C.L., and S.D. FLORA– Damage by hail in Kansas, 45:359–61

BUYNITZKY, Eleanor– Meaning of word ‘fair’ in meteorology, 43:613–14
_____, Selected list of references on movements on anticyclones of United States and foreign countries, Suppl. 4:13

BUYS–BALLOT, monument to, 25:99

BUYS–BALLOT medal, award of, 32:469

BYERS, E.H.– Tornado near Hobbs, N.Mex., Sept. 19, 1919, 47:639–40

BYERS, Horace R.– Meteorological history of hurricane of Nov. 1935, 63:318–22
_____, Use of free-air soundings in general forecasting, 62:376–78

BYRAM, J.W.– Drought of 1913 at Concordia, Kan., 41:1436–37
_____, Severe storm at Concordia, Kan., 40:1203

AUTHOR INDEX - C

- CAHILL, B.J.S.— Projections for world maps, 57:128–33
- CAILLETET, Prof. L.— Photographic apparatus for measuring altitudes of balloons, 25:443–44
- _____'s measurement of saturated vapor pressure, 37:5
- CAJORI, F.— Prof. P.E. Doudna, 28:202
- CALKINS, Prof. R.D.— Snow rollers at Mount Pleasant, Mich., 34:326
- CALLENDAR bolometric sunshine receiver, source of error in, internal reflection as, Miller on, [il], 43:264–66
- _____, pyrhelimeter, characteristics of, Miller on, 48:244–47
- _____, pyrhelimeter, solar radiation measurements with, Madison, Wis., Miller on, 48:338–43
- _____, sunshine recorder, comparison of, with Angström pyrhelimeter, Patterson on, 45:400
- CALVERT, Edgar B.— Daily weather bulletin transmitted by radio from United States to France, 51:404–05
- _____, Fruit-spray and harvest-weather forecast work of Weather Bureau in New York State, 53:70–71
- _____, History of radio in relation to work of Weather Bureau, 51:1–9
- _____, Hurricane warning service and its reorganization, 63:85–88
- _____, International convention for safety of life at sea, London, 1929, 58:156–59
- _____, Search light for weather signals, 26:58–59
- _____, Selected-ship program for ocean-weather reporting by radio, 59:185–86
- _____, Weather forecasting as aid in preventing and controlling forest fires, 53:187–90
- _____, and W.F.R. PHILLIPS— Snow temperatures, 27:55–56
- CALVERT, Dr. Philip P.— Collection of mean annual temperatures for Mexico and Central America, 36:93–97
- CAMERON, Alfred C.— Relation of soil insects to climatic conditions, 49:28
- CAMERON, Donald C.— Easterly gales in Columbia river gorge during Winter of 1930–31, 59:411–13
- _____, Great dust storm in Washington and Oregon, April 21–24, 1931, [il], 59:195–97
- CAMPBELL, Archibald— Sonora storms and sonora clouds of California, [il], 34:464–65
- CAMPBELL, J.— Meteorology of Bangkok, Siam, Sept. 1879:15
- CAMPBELL, John W.— West Umatilla river Water-users' Association, 37:1132
- CAMPBELL–HEPWORTH, M.W.— Aurora australis of April 20, 1897, 25:204
- CANADAY, George L.— Haze condition at New Orleans, La., May 5–9, 1933, 61:114
- CANNEGIETER, Dr. H.G.— Ten years of scientific airplane ascents in Holland, 59:201
- CANNON, Sylvester Q.— Measurement of snow in Big Cottonwood Canyon, Utah, [il], 40:609–11
- CANTONI, Prof. Giovanni, monument to, 28:208
- CARLBERK, D.P.— Some flying experiences in “bumpy” weather in Texas, 48:399–400
- CARPENTER, Archer B.— Record November fog preceding phenomenal winter of 1933–34 in Pacific Northwest, 62:404–07
- CARPENTER, Ford A.— Alleged manufacture of rain in southern California, 46:376–77

- _____, Convictional clouds induced by forest fires, [il], 47:143–44
- _____, Flood studies at Los Angeles, [il], 42:385–89
- _____, Method of advertising climate, 37:176–77
- _____, Note on formation of cloud during forest fire, 40:1258
- _____, Notes on frost at San Diego during Dec. 1911, 39:1912
- _____, Notes on hot wave in southern California, June 14–17, 1917, 45:408–10
- _____, San Diego waterspout, 26:545–46
- _____, September (1913) hot wave in Los Angeles, Cal., 41:1404–05
- _____, Southern California windstorm of Nov. 24–26, 1918, [il], 47:26–27
- _____, Spiders and anticyclonic winds, 38:794
- _____, Study of dry seasons in San Diego, 40:121–22
- _____, Utilization of fog, 27:195–96
- _____, Utilization of frost warnings in citrus region near Los Angeles, Cal., [il], 42:569–71
- _____, Whirlwind of Jan. 26, 1918, at Pasadena, Cal., 46:178–79
- _____, and J.W. GARTHWAITE– Memorandum on air drainage in vicinity of Corona district, Cal., 42:572–73
- CARPENTER, Prof. L.G.– Evaporation and temperature, 26:213–14
- CARPENTER's, William B., views on temperatures of sea, Dec. 1878:12
- CARSON, Ernest– Torrential rains in extreme southeastern Texas, [il], 51:263–64
- CARTER, Harry G.– Climatic trend in Pacific Northwest, 63:19–23
- _____, Comparison of air and soil temperatures, 56:138–39
- _____, Dense fogs at Lincoln, Neb., 56:275–77
- _____, Evaporation from rain gages, 57:96
- _____, Hailstorms in Nebraska, 48:397–98
- _____, Jan. 1935, abnormally foggy at Boise, Idaho, 63:59
- _____, Variations in hourly rainfall at Lincoln, Nb., 52:208–11
- _____, Weather of June as indicating weather of following May in Idaho, 63:101
- _____, Weather of one season as indication of weather of following season, or seasons, at Boise, Idaho, 63:59
- _____, Wind as motive power for electrical generators, 54:374–76
- CARVALHO, Prof. Anselmo F. de, – Climate of Coimbra, 55:237
- CASKIE's, J.A., biography of Maury, review of, 57:472–73
- CASTO, E. Ray– Climatology of Virginias, 58:374–75
- CASWELL, Prof. A.E.– Prevailing winds of North Pacific Coast, 47:855–56
- CATE, Claude C., and F.D. YOUNG– Damaging temperatures and orchard heating.. [il], 51:617–39
- CALVALLO's, Tiberius, experiments with kites, 25:60–61
- CAVE, Charles J.P.– Photography of clouds, 48:458
- _____, Some seventeenth century ideas about weather, 49:410–11
- _____, Winds in free air, 42:7–11
- CAZLE's, Lieut., world airplane altitude record, 47:417
- CHAFFEE, Frank P.– Forecasts on letter boxes, 27:61, 361
- _____, Professor M.H. Yerby, 28:539
- _____, Tornado in eastern Alabama, March 20, 92–93
- _____, Tornado at Moundville, Ala., Jan. 22, 1904, 32:12–13

- _____, Tornadoes in Alabama, April 24 and 30, 1908, 36:133–34
- _____, Tornadoes in Alabama, Feb. 5, 1909, 37:110–11
- CHAMBERLIN, Prof. T.C.– How can endowments most effectively aid research?
31:133–35
- _____, Ultra atmospheres, 48:159–60
- CHAMBERS, Marshall J.– Drought of 1933–34 in New Mexico, 63:14–15
- CHAMBERS, S.W., and A.F. GORTON– Pyranometer records assist in distinguishing
between haze and clouds, 59:76–77
- CHANCELLOR, Thomas J.– Groesbeck aerological station, [il], Suppl. 15, pt. 2
- CHAPEL, L.T.– Note on probable intrusion of Southern Hemisphere air to region of
Panama, 61:242
- _____, Significance of air movements across equator..., 62:433–38
- _____, Winds and storms on Isthmus of Panama, 55:519–30
- CHAPMAN, Capt. E.H.– Computer's handbook, 47:652
- CHAPMAN, Prof. S.– Changes of temperature in lower atmosphere, by eddy conduction
and otherwise, 53:264
- _____, Electrical phenomena in upper atmosphere, 47:879
- CHAPPEL, George M.– Drought and heat wave of 1913 in Iowa, 41:1447–48
- CHATTERJEE, G.– Upper air temperature indicator for use with pilot balloon, 58:252
- _____, and S.C. Roy– Origin of nor'westers, 57:428
- _____, and S.C. ROY– Probable origin of cold wave in India, Feb. 1929, 57:385
- CHAUVEAU, A.B.– Diurnal variation of atmospheric electric potential in clear weather,
46:212
- CHAVANNE's, Dr. Josef, temperature and rainfall of Argentina, 31:140–41
- CHAVES', Francis, report on storm at Fonta Gelgada, Dec. 8, 1894, 22:508–09
- CHICKERING's, Prof. J.W., paper on thermal belts of North Carolina, 11:52
- CHILDS', Col., record of rainfall in Nicaragua, 26:409
- CHITTENDEN, Gen. H.M.– Rainfall after battle, 42:537
- CHOATE, H.L.– Dust cloud over Drexel, Neb., Jan. 15, 1921, 49:16–17
- CHREE, Dr. Charles– Aneroid barometers, 26:547–48
- _____, Hydrodynamic equations for atmosphere, 25:445
- _____, Kristian Birkeland, 45:300
- _____, Periodicities, solar and meteorological, 52:542
- CHRISTENSEN, A.H.– Analysis of warm "cold front", 63:9
- CHRISTIE, W.H.M.– Magnetic storm of Nov. 17, 1882, at Greenwich, Nov. 1882:16–17
- CHRYSTAL's, Prof. G., theory of seiches, 34:226
- _____'s theory of seiches, application of, to Lake Vetter, Woolard on, 54:297–98
- CHU, Co-Ching– Chinese weather bureau, 44:289
- _____, Distribution of precipitation in China during typhoons of Summer of 1911,
44:446–50
- _____, New classification of typhoons of Far East, 52:570–79
- _____, Place of origin and recurvature of typhoons, 53:1–5
- _____, Rainfall in China, 1900–11, 44:276–81
- _____, Some new facts about centers of typhoons, 46:417–19
- _____'s memoir on climatic provinces of China, Liu En-lan on, 58:209
- CHURCH, Prof. J.E. jr.– Electric disturbances and perils on mountain tops, 35:578–79

- _____, Mount Rose Weather Observatory, [il], 34:255–63
- _____, Present methods of glacier study in Swiss Alps, 52:264–66
- _____, Sixteen years of snow-surveying in central Sierra and its results, 54:43–44
- _____, Snow surveying: its problems and their solution, 43:607
- _____, Wide area forecasting of streamflow on Columbia and Colorado, 53:353–54
- CHURCH, Phil E.– Temperatures of New England, 63:93–98
- CHURCH, Verne H.– Drought and heat wave of 1913 in Indiana, 41:1455–56
- _____, Heavy rainfall of Oct. 3–6, 1910, in Indiana, 38:1503
- _____, Local storms in July 1912, 40:1029–30
- _____, Severe windstorm crosses state of Indiana, 39:1493–94
- CLAPP, W.B.– Hydrograph data of Sacramento river, [il], 38:794–95
- CLARK, A.H.– Temperature of ocean below 500-fathom line on west coast of America, 44:680
- CLARK, G.A.– Herman Decker Stearns, 35:456–57
- CLARK, William F.– Tornado at Anniston, Ala., April 13, 1909, 37:207–08
- CLARKE, G.A.– Analysis of cloud distribution at Aberdeen, Scotland, 1916–18, 49:348
- CLARKE, Katherine B.– Effect of Atlantic Ocean on temperatures in eastern United States..., 63:88–91
- _____, “Michael Sars” North Atlantic deep-sea expedition, 1910, 59:158–59
- _____, Significance of air and sea temperatures obtained on cruise VII of “Carnegie”, [il], 59:183–85
- CLARKE, Prof. W.T.– Peaches and climate, 38:1740
- CLAXTON, T.F.– Mauritius cyclone of Dec. 5, 1897, 26:62–63
- _____, Two thunderstorms at Royal Alfred Observatory, Mauritius, 28:63–64
- CLAYDEN, Arthur W.– Clouds of Venus and their significance, [il], 37:127–30
- _____, Conditions determining formation of cloud spheres and photospheres, 34:167–70
- _____, Pale green sky tints, 35:269
- _____'s “Cloud Studies”, 34:580–81
- CLAYTON, Henry H.– Adopt Kelvin thermometer scale and metric system, 37:92
- _____, Atmospheric circulation and weather in Argentina, 45:60
- _____, Aurora of May 14–15, 1921, 50:20
- _____, Cloud measurements at Blue Hill, 25:135–36
- _____, Correlation between rainfall of North and South America, 44:200–01
- _____, International symbols, 34:357
- _____, Lagging of temperature changes at great heights behind those at earth's surface.. 35:457–58
- _____, Lifting power of ascending currents of air, 33:390–91
- _____, Mossman on physical condition of South Atlantic during Summer, 50:590
- _____, Proposed method of weather forecasting by analysis of atmospheric conditions.. 35:161–67
- _____, Rare cumulus cloud of lenticular form, [il], 34:456–58
- _____, Relation between rainfall and synoptic winds, 44:80–81
- _____, Relations of inversions in vertical gradient of temperature in atmosphere... 37:191–93
- _____, Scientific aspect of balloon voyage, 36:295–97
- _____, Solar variations, 53:522–25

- _____, Study of errors by kite meteorographs and observations on mountains, 32:121–24
- _____, Temperature in front and rear of anticyclones, 35:118–20
- _____, Various researches on temperature in cyclones and anticyclones in temperate latitudes, 33:259
- _____, Weather forecasting, 48:83–84
- _____'s use of correlation periodogram, 55:413
- _____'s "World Weather Records", 55:328
- _____'s "World Weather Records", prototype of, 56:16
- CLEMENTS, Dr. Frederick E.– Grassland as source of rainfall, 52:541
- _____'s drouth periods and climatic cycles', Henry's, review of, 50:127–31
- CLINE, Dr. Isaac M.– Drought in Meramec, Arkansas, and Red river drainage basins, Summer of 1913, 41:1211
- _____, Flood in Mississippi river below Vicksburg, Miss..., 1922, Suppl. 22:25–29
- _____, Flood in Mississippi river from below Vicksburg, Miss., 1927, Suppl. 29:46–49
- _____, Floods in Mississippi river and tributaries below Vicksburg, Miss., 48:365
- _____, Freezes of Nov. 13 and 29–30, 1911, in sugar, orange, and trucking region, 39:1714–16
- _____, Frost in Texas, 26:46–47
- _____, Heavy rains and resultant floods in southwestern Louisiana Sept. 26 to Oct. 4, 1913, 41:1546
- _____, Life history of tropical storm in Louisiana, Sept. 21–22, 1920, 48:520–24
- _____, Low temperatures in Texas, 26:93
- _____, Predicting minimum temperatures in New Orleans, La., district, Suppl. 16:31
- _____, Rainfall and its source in southern slope, 14:333–34
- _____, Relation of changes in storm tides on coast of Gulf of Mexico to center and movement of hurricanes, 48:127–46
- _____, Severe local storms, Louisiana, 41:415
- _____, Special report on flood in Brazos river Valley, Texas, June 27–July 15, 1899,... 27:295–98
- _____, Special report on Brazos river Valley flood, April 27 to May 17, 1900, 28:198–200
- _____, Special report on floods in Colorado Valley, Texas, April 7–17, 1900..., 28:146–50
- _____, Storms in southeastern Louisiana Oct. 23, 1913, 41:1546
- _____, Temperature conditions at New Orleans as influenced by subsurface drainage, 43:607
- _____, Tides and coastal currents developed by tropical cyclones, 61:36–38
- _____, Tornadoes in Louisiana, April 24, 1908, 36:131–32
- _____, Tropical cyclone of June 16, 1934, in Louisiana, 62:259–50
- _____, Tropical hurricane of Sept. 29, 1915, in Louisiana, 43:456–66
- _____, Tropical hurricane of July 5, 1916, in Louisiana, 44:403–04
- _____, Value of weather bureau forecasts, 23:293
- CLINE, Joseph L.– Abnormal weather over southern Texas, 34:458–59
- _____, Frost protection by irrigation in southern Texas, 42:591–92
- _____, Hailstorm at Corpus Christi, Tex., 35:218–19
- _____, Hailstorm at Dallas, Tex., May 8, 1926, 54:216

- _____, Island of Porto Rico, 29:353–55
- CLOSE, Wilbur L., and E. S. ELLISON– Critical Spring temperatures for apples in Yakima Valley, Wash., 55:11–18
- CLOUGH, Homer W.– 11-year sun spot period, secular periods of solar activity..., 61:99–108
- _____, 28-month period in solar activity and corresponding periods in magnetic and meteorological data, 56:251–64
- _____, Approximate seven year period in terrestrial weather, with solar correlation, 48:593–96
- _____, Improved method of computing meteorological normals, 51:391–95
- _____, New method of observing direction of movement of atmosphere, 26:250–51
- _____, Note on methods for indicating and measuring correlation, with examples, 49:489–91
- _____, Principle of conservation of angular momentum as applied to atmospheric motions, 48:463–65
- _____, Statistical analysis of solar radiation data, 53:343–48
- _____, Statistical comparison of meteorological data with data of random occurrence, 49:124–32
- _____, systematically varying period with average length of 28 months in weather... 52:421–39
- _____, two-and-a-half year cycle in weather and solar phenomena, 52:38–39
- _____, 's discussion of Brooks' "Sequence of winters in northeastern United States", 49:73–74
- CLOWERS, Ernest S.– Cloudiness in New York State, 48:213–14
- _____, Clouds as gale prognostics on North Atlantic coast, 47:740
- _____, Dates of opening of Oneido Lake, N.Y., 1869–1921, 49:134–35
- _____, Influence of sea on climate of Long Island, N.Y., 45:347
- _____, Mountain and valley winds at Syracuse, N.Y., 47:464
- _____, Sea breeze on eastern Long Island, 45:345–46
- CLYDE, George D.– Change in density of snow cover with melting, 57:326–27
- _____, Effect of rain on snow cover, 57:328
- _____, Relationship between precipitation in valleys and on adjoining mountains in northern Utah, 59:113–17
- COBB, Francis E.– Comments on influence of vegetation on streamflow, 59:39
- COBERLY, Edward D.– Cause of equable temperature conditions at New Orleans, La., 40:1221–22
- _____, City and suburban temperatures, 40:573–74
- _____, Dry periods in Louisiana, 41:1051–55
- _____, Excessive rains in Louisiana, 40:1062–67
- _____, Hourly frequency of precipitation at New Orleans, La., 42:537–38
- COBLENTZ, Dr. William W.– Barnes' "ice formation with special reference to anchor ice and frazil", 35:225–27
- _____, Blanket effect of clouds, 37:65–66
- _____, Exudation of ice from stems of plants, [il], 42:490–99
- _____, Further measurements of stellar temperatures and planetary radiation, 50:591
- COBURN, F.D.– Irrigation by pumping in western Kansas, 41:81

COE, A.B.– Chinook and signs of approach, 25:213
 _____, How Chinook came in 1896, 24:413
 _____, Kites in Montana, 24:237

COFFEY, George N.– Influence of temperature and moisture upon rate of growth of tobacco, 35:346–48

COFFIN, J.H.C.– Ocean fluctuations at Nagasaki, Oct. 1877:11

COHN, Louis– Atmospheric conditions favorable to cotton spinning, 2 8:294

COLARDEAU’s measurement of saturated vapor pressure, 37:5

COLE, D.W.– Water supply for Shoshone project, 38:395

COLE, Frank T.– Leesburg aerological station, [il], Suppl. 15, pt. 3

COLE, George N.– Dynamic heating of air as cause of hot volcanic blasts, 46:453–58

COLE, Harvey S.– Arkansas drainage below Fort Smith, Ark., Suppl. 29:44–45
 _____, Daily ranges of temperatures in Nevada, 40:1718
 _____, Droughts in Arkansas, 61:129–40
 _____, Excessive precipitation in Arkansas, 49:435–40
 _____, Snow survey in Walker drainage basin, Nevada, 41:448–49
 _____, Tornado at Little Rock, Ark., May 14, 1923, 51:263
 _____, Tornadoes in Arkansas, 1879–1926, 55:176–82
 _____, Tornadoes in Arkansas, April 1929, [il], 57:155–56

COLE, John S.– Daily quantities in which summer precipitation is now received, 50:572–75
 _____, and R.E. HORTON– Compilation and summary of evaporation records..., 62:77–89

COLEMAN, F.H.– May 1912, flood in Michigan, 40:699
 _____, Snowstorm of May 9, 1923, in Saginaw Valley, Mich., 51:261–62
 _____, Tornado at Owosso, Mich., 39:1672–73

COLLOM, McLin S.– Thunderstorms at Lander, Wyo., 54:503–04

COLYER, Prof. F.H.– Tornado near Carbondale, Ill., 40:541–42
 _____, Tornado at Murphysboro and Bush, Ill., April 21, 1912, 40:540–41
 _____, Tornado in southern Illinois, 41:383

COMLY, George– Hot winds in Missouri, 25:260

CONGER, Norman B.– Ice conditions on Great Lakes, winter of 1907–08, 36:137–40
 _____, Ice conditions on Great Lakes, winter of 1908–09, 37:244–46
 _____, Ice conditions on Great Lakes, winter of 1909–10, 38:548–50
 _____, Report on tornadoes of May 25, 1896, in Michigan, 24:156
 _____, Storms and ice on Great Lakes, 36:236–44
 _____, Summary of ice conditions of Great Lakes, 37:47–48
 _____, Water temperatures of Great Lakes, 27:352

CONNOR, A.J.– Relation of weather to yield of wheat in Manitoba, 47:848

CONNOR, Patrick– Character of evening, 26:306
 _____, Floods in Missouri river, June–July 1909, above Kansas City, 37:399
 _____, Heavy rainstorm at Kansas City, Mo., 42:546–47
 _____, In memory of Prof. William Ferrel, 26:457–58
 _____, Large hailstones at Kansas City, Mo., May 14, 1898, [il], 48:398–99
 _____, Loss by floods in Kansas river and tributaries, June 1915, 43:287–88
 _____, Missouri river flood below Plattsmouth, Nebr., and flood in Kansas river and

- tributaries, 36:204–07
- _____, Notes on heat and drought during Summer of 1913 at Kansas City, Mo., 41:1441
- _____, and B.R. LASKOWSKY– Tornadoes in Kansas, July 16, 1927, 55:326–27
- CONRAD, Dr. V.– Measurement and determination of magnitude of cooling, 57:207
- CONROY, Dr. Charles C.– Probable values of seasonal rainfall in Los Angeles from 1850–77, 59:433–34
- _____, Thunderstorms in Los Angeles district, 56:310
- COOK, Albert W.– Comparison of rain-gage can and Horton snow-board measurements, 52:538–40
- _____, Great daily range of temperature near Rialto, Cal., 57:513
- _____, Marked summer air-mass displacements in California and their effects on weather, 62:39–45
- _____, Prediction of minimum temperatures for Red River Valley, 53:443–47
- _____, Protection of strawberries from frost through artificial heating, [il], 55:354–57
- COOK, S.R.– Permanency of planetary atmospheres, according to kinetic theory of gases, 30:401–07
- COOK, William C.– Weather and probability of outbreaks of pale western cutworm, 56:103–06
- COOKE, W. Ernest– Forecasts and verifications in western Australia, 34:23–24
- _____, Weighting forecasts, 34:274–75
- COOLEY, George W.– Hydrology of Lake Minnesota watershed, 27:14–17
- COOLIDGE, Harold J.– Climate of Liberia, 58:291–92
- COOPER, W.F.– Air and water temperatures, 33:521–24
- CORDEIRO, Dr. F.J.B.– Problem of cyclone, 31:516–21
- _____, Vortex rings as revolving solids, 32:415–16
- CORKILL, Edward C.– Tornado at Auburn, Kan., June 3, 1927, 55:270
- CORLETT, David, and W.A. MOORE– Analysis of summer precipitation at Mt. Vernon, Iowa, 49:612–13
- CORNTHWAITE, H.G.– Altitude determinations based on barometric readings, 48:87–88
- _____, Climate and photography, 50:136–37
- _____, Evaporation in Canal Zone, [il], 47:29–30
- _____, Exposed steel temperatures in tropics, 48:403–04
- _____, Humidity and hot weather, 48:277–78
- _____, Ocean rainfall, 49:88
- _____, Panama rainfall, 47:298–302, 419
- _____, Panama thunderstorms, [il], 47:722–24
- _____, Sunshine and cloudiness in Canal Zone, [il], 48:276–77
- CORONAS, Rev. José– Heavy rains and floods in Luzon, Philippines, Aug. 1921, 49:509
- _____, Typhoon of Dec. 25, 1918, over Philippines, 47:642
- _____, Typhoon of Aug. 31, 1920, in Philippines, 48:524–25
- _____, Typhoon of Nov. 2, 1920, in Philippines, 48:658
- _____, Typhoon of Dec. 17, 1920, in western Carolines, 48:725
- _____, Typhoons of July 4 and 22, 1921, in Philippines, 49:417–18
- _____, Typhoons of Aug. 1–20, 1921, between Philippines and Japan, 49:518–19
- _____, Typhoons of Sept. 1921 in Far East, 49:518

- _____, Typhoons of Oct. 1921 in Pacific, 49:581–82
- _____, Typhoons of Nov. 1921, in Philippines, 49:620
- _____, Typhoon of Dec. 3–9, 1921, between Guam and Yap, 50:32
- _____, Typhoon of May 23, 1922 at Manila, 50:319
- _____, Typhoon of June 7–11, 1922 at Loochoos and Japan, 50:375
- _____, Typhoons of July 1922 in Far East, 50:437
- _____, Typhoons of Aug. 1922 in Far East, 50:435–36
- _____, Typhoons of Sept. 1922 in Far East, 50:497–98
- _____, Typhoons of Nov. 1922 in Far East, 50:598
- _____, Typhoons of June 1923 in Far East, 51:323
- _____, Typhoon of July 1923 in Philippines, 51:414
- _____, Typhoons of Aug. 1923, in Far East, 51:476–77
- _____, Typhoons of Sept. 1923 in Far East, 51:539
- _____, Typhoons of Oct. 1923 in Far East, 51:597
- _____, Typhoon of Nov. 16–18, 1923, in Philippines, 51:597–98
- _____, Typhoons of Dec. 1923 in Far East, 51:662
- _____, Typhoons of July 1924 in Far East, 52:404
- _____, Typhoons of Aug. 1924 in Far East, 52:403
- _____, Typhoons of Sept. 1924 in Far East, 52:505–06
- _____, Typhoon of Oct. 3, 1924, in northern Luzon, and others, 52:506
- _____, Typhoons of Nov. 1924 in Philippines, 52:548–49
- _____, Typhoon of June 1925 in Luzon, 53:321
- _____, Typhoons of July 1925 in northern Philippines, 53:406
- _____, Typhoons of Aug. 1925 in Japan and Formosa, 53:365–66
- _____, Typhoons of Sept. 1–18, 1925 in Far East, 53:405–06
- _____, Typhoons of Oct. 1925 over Philippines, 53:456–57
- _____, Typhoons of Nov. 1925, over Pacific, 53:505
- _____, Typhoon of Dec. 1925 over Yap, 53:549–50
- _____, Typhoons of July 1926 in Philippines, 54:306
- _____, Typhoons of Aug. 1926 in Far East, 54:350
- _____, Typhoons of Sept. 1926 over Far East, 54:394–95
- _____, Typhoons of May–June 1927 in Philippines, 55:287
- _____, Typhoons of July 1927 in Far East, 55:343–44
- _____, Typhoons of Aug. 1927 in Far East, 55:380
- _____, Typhoons of Sept. 1927 in Far East, 55:431–32
- _____, Typhoons of Oct. 1927 in Far East, 55:478
- _____, Typhoons of Nov. 1927 in Far East, 55:513
- _____, Typhoons of July–Aug. 1928 in Far East, 56:339–40
- _____, Typhoons of Sept. 1928 in vicinity of China and Japan, 56:386
- _____, Typhoons of Oct. 1928 in far East, 56:428
- _____, Typhoon of Nov. 23–24, 1928 over central part of Philippines, 56:479
- _____, Typhoons in beginning of 1929 over southern Philippines, 57:35–36
- _____, Typhoon of May 24, 1929 over Philippines, 57:224
- _____, Typhoons of July 1929 in Far East, 57:311
- _____, Typhoons of Aug. 1929 at Formosa and Hongkong, 57:355
- _____, Typhoon of Sept. 2–3, 1929, over southern and central Luzon, 57:398–99

- _____, Typhoons of Oct. 1929, in *Far East*, 57:441–42
- _____, Typhoons of Nov. 1929 in Philippines, China Sea, and Pacific Ocean, 57:525–26
- _____, Typhoon of April 18–19, 1930 over Philippines, 58:173
- _____, Typhoon of May 1930 in northern Luzon, 58:225
- _____, Typhoons of July 1930 in Far East, 58:343–44
- _____, Typhoons of Aug. 1930 over Pacific, 58:344–45
- _____, Typhoon of Nov. 2–3, 1930 over Visayan Islands, 58:476–77
- _____, Typhoon of Jan. 3–4, 1931, over Philippines, 59:48–49
- CORTIE, Rev. A.L.— Great sun-spot group and magnetic storm, March 22–23, 1920, 48:533
- COTTIER, Joseph G.C.— Equations of hydrodynamics in form suitable for application..., [il], 25:296–302
- _____, Summary of history of resistance of elastic fluids, 35:353–56
- _____'s resistance of elastic fluids, 35:352–53
- COTTRAL, Lyle L.— Analysis of precipitation of rains and snows at Mt. Vernon, Iowa, 59:235
- COUCH, E.J.— Prairie skies, 26:217
- COUNTS, R.C., jr.— Hourly frequency and intensity of rainfall at San Francisco, Cal., 61:225–28
- _____, Storms over northeast Pacific Ocean and adjacent land areas in Dec. 1933, 62:58–59
- _____, Winter fogs in Great Valley of California, 62:407–10
- COURTRIGHT, Samuel W.— Optical phenomenon at Circleville, Ohio, Feb. 12, 1895, 23:298–99
- COUSINS, H.H.— Hurricane of Aug. 11, 1903, at Jamaica, 31:375
- COVERT, Roy N.— Conversion of barometric readings into standard units of pressure, 42:230–31
- _____, Fires caused by lightning in Iowa, 1919–22, 51:404
- _____, Lightning fire losses, 52:259–61
- _____, Why an oak is often struck by lightning..., 52:492–93
- _____, and S.P. FERGUSSON— New standards of anemometry, 52:216–18
- COVILLE, Frederick V.— Influence of cold in stimulating growth of plants, 48:643–44
- _____, Text books on botany, 27:154
- COWLES, H.C.— Past and present climates of leading crop plants, 46:521
- COX, Prof. Henry J.— Difference between readings of sheltered and unsheltered thermometers..., 48:711–12
- _____, International Geographical Congress at London, July 1928, 56:321
- _____, Legal value of weather bureau records, 28:115
- _____, Notes of meteorologist in Europe, 35:58–62
- _____, Thermal belts and fruit growing in North Carolina, [il], Suppl. 19
- _____, Tornado of May 25, 1896, in Cook county, Ill., 24:168
- _____'s "Thermal belts and fruit growing in North Carolina", Henry's review of, 51:199–207
- COX, Joel B.— Summary of correlations between Hawaiian rainfall and solar phenomena, 52:308
- COYECQUE, Capt. M.— Psychrometric observations, 57:423

_____, and P. WEHRLÉ– Hatteras depressions, 53:26–27
CRAGIN, H.W., and H.S.–Observations for local thunderstorms at Skyland, Page county,
Ca., 28:328–30, 389–90
_____, Thunderstorms near Washington, 28:288–90
CREW, Prof. Henry– George W. Hough, 1836–1909, 36:475
CROLL, James– Aqueous vapor in relation to perpetual snow, Oct. 1880:16
CRONK, J.W.– Flood in Red river above Alexandria, La., Suppl. 29:46
_____, Floods in Red river at and above Shreveport, La., 36:202–04
_____, Florida frosts of Feb. 2–4, 1898, 26:46
_____, Red river flood of Nov. and Dec. 1902, 30:604
CROWELL, Lincoln– Effect of exposure and altitude on distribution of forest types...,
37:803–04
CUMMINGS, N.W.– Alignment diagram for “R” of energy-evaporation equation,
58:144–46
_____, Certain limitations on possible values of ratio of heat losses..., 58:144–46
CURRIE, B.W.– Ice crystals and halo phenomena, [il], 63:57–58
CURTIS, George E.– Effect of wind currents on rainfall, 30:234–36
CURTIS, Richard H.– Plea for teaching of meteorology, 35:125–26
CUTHBERTSON, David– Fog and frost formation, 30:125–26
_____, Winter waterspout, 35:73–74

AUTHOR INDEX - D

- DABNEY, A.L.– Relations between precipitation, run-off, and discharges in Tallahatchie drainage district, 37:917–19
- DABNEY, Dr. Charles W., inauguration of, as president of University of Cincinnati, 32:465
- DAGUE, Charles I.– Disastrous fire weather of Sept. 1929, 58:368–70
- _____, Low relative humidity in Oregon, 57:146–53
- _____, Weather of Great Tillamook, Ore., fire of Aug. 1933, 62:227–31
- DAINGERFIELD, Lawrence H.– Chinook winds in eastern Colorado during Dec. 1907, 36:87–88
- _____, Excessive rain and flood in Los Angeles area, 62:91–94
- _____, General survey of meteorological problems of Pan-Pacific countries, 49:329–30
- _____, Kona storms, 49:327–29
- _____, Local storm at St. Louis, Mo., Aug. 19, 1904, 32:357–8
- _____, Weather and cotton yield in Texas, 1899–1929
- _____, Work undertaken at Fremont Forest Experiment Station in climatology and forestry, [il], 38:97–101
- DALE, J.B.– Elliptical halos of vertical major axis, 46:166
- DALLAS, Dr. W.L.– Origin of typhoons and hurricanes, 24:417–18
- _____, Preliminary discussion of certain cyclical changes in India, 25:532–38
- _____, Upper currents of air above Indian monsoon region, 24:417
- _____, 's memoir on pressure and rainfall over Indian monsoon region, 34:161–62
- DALY, Reginald A.– Drift ice and theory of ocean currents, 28:433–34
- DANJON, A., E. BAUER, and J. LANGEVIN– Twilight phenomena on Mont Blanc, 52:540–41
- _____, and G. ROUGIER– Spectrum and theory of green flash, 48:659
- DANSEY's, Cap., kite for stranded vessels, 25:206
- DASHIELL, B. Francis– Broadcasting weather maps by radio, 54:419–20
- _____, Southern Maryland windstorm of June 8, 1924, 52:310–11
- DAVIDSON, Prof. George– Value of Weather Bureau station on Mount Tamalpais, 25:493–94
- DAVIDSON's, S.P., long record, 28:493–94
- DAVIES, Reid– Engineering applications of statistical weather data, 49:160
- DAVIS, A.P.– Rainfall and temperature in Nicaragua, 27:211–12
- DAVIS, George E., and J.L. McCARTHY– Twenty-nine months of solar radiation at Tucson, Ariz., 60:237–42
- DAVIS, Harvey N.– Observations of solar radiation with Angström pyrheliometer at Providence, 31:275–80
- DAVIS, J. Woodbridge– Experiments with kites, 25:313
- DAVIS, Katherine– Influence of meteorological phenomena on vegetation, 48:643
- DAVIS, Leslie A.– Weather in Finland in 1920– warm year, 49:89
- DAVIS, T. Frederick– Climatology of Jacksonville, Fla., and vicinity, 35:566–72
- DAVIS, T.H.– Advancement of meteorology, 32:456–57
- _____, Annual wind resultants, 30:519–22

- _____, Direction of local winds as affected by contiguous areas of land and water, 34:410–13
- _____, Typical October winds on our Atlantic coast, 31:175–76
- _____, Winds and rainfall of New Haven, 30:261–64
- DAVIS, William– Severe snow and wind storm of Jan. 31–Feb. 1, 1898, 26:3
- DAVIS, Prof. William M.– Meteorology in schools, 22:512
- DAVISON, Prof. Charles– How to observe an earthquake, 23:340–41
- _____, Remarks on slight earthquakes, 23:375
- _____, Sound areas of explosion at East London, Jan. 19, 1917, 45:55–56
- DAVISON, George M.– Talk on elementary meteorology, 27:144–48
- DAY, F.H.– Deficient humidity indoors, 36:404–07
- DAY, Dr. Preston C.– Climatological data for Andagoya, Colombia, 54:376–78
- _____, Cold Spring of 1917, 45:285–89
- _____, Cold Winter of 1917–18, 46:570–80
- _____, daily, monthly and annual normals of precipitation in United States..., Suppl. 34
- _____, Drought of 1910 in principal Spring-wheat growing states, 39:142–43
- _____, Meteorological observations near Schiefflin, Liberia, 1913–14, 43:178–79
- _____, Monthly normals of sea-level pressure for United States, Canada, Alaska, and West Indies, 52:30–35
- _____, Notes on climate of France and Belgium, 45:487–96
- _____, Notes on severe heat and drought over Middle West during Summer of 1913, 41:1433–35
- _____, Precipitation in drainage area of Great Lakes, 1875–1924, 54:85–106
- _____, Relative humidities and vapor pressures over United States..., Suppl. 6
- _____, Thunderstorm of July 30, 1913, at Washington, D.C. 41:969
- _____, and S.P. FERGUSSON– Great snowstorm of Jan. 27–29, 1922, over Atlantic coast states, 50:21–24
- _____, and C.F. MARVIN’s “Normals of daily temperature in United States”, Henry’s review of, 53:117–18
- DAY, Wilfred P.– Summary of hurricanes of 1919–21, 49:658–59
- _____, Tropical cyclones during 1925, 53:540
- _____, Tropical disturbances during hurricane season of 1923, 51:653–54
- _____, Tropical disturbances during hurricane season of 1924, 52:589
- _____, Tropical storm of June 28, 1929, 57:253
- DECHEVRENS, Rev. P. Marc– Magnetic perturbation of Aug. 11–19, 1880, at Zi-ka-wei, Dec. 1880:17–19
- _____, Vertical component of wind, [il], 32:118–21
- _____, Zodiacal light, Aug. 1880:15–16
- _____, retirement of, 49:90–91
- _____,’s theory of cold waves, 32:472
- DECKER, Horace M.– Mechanics of kite, 25:349–50
- DEELEY, R.M.– Sunspots and pressure distribution, 58:423
- DEFANT, A.– Oscillations of atmospheric circulation over North Atlantic ocean..., 52:387–93
- _____,’s “Wetter und Wettervorhersage”, second edition of, 55:187
- DE GRAW, Paul– Lightning on kite wire, 26:170

DE KAY, Charles– Electric waves in atmosphere, 25:352

DELCAMBRE, E.– Meteorological work of “Jacques Cartier”, 53:25–26

DELEBECQUE, Andre– Extraordinary refractions or fata morgana, 24:373–74

DEMAIN, E.R.– Report on meteoric noises in Florida, 23:57

DEMBER, H., and W., BUCHHEIM– Measurements of atmospheric electricity on Tenerife, 46:211

DEMOND, C.D.– Comparison of temperature and humidity during 1920..., 48:691

DENISON, F. Napier– Climate of British Columbia, 53:354

_____, Miobias and seiches, 26:562–63

_____, Remarkably heavy precipitation at Henderson Lake, Vancouver Island, British Columbia, 60:252

DENSON, Lee A.– Character of evening, 26:215

_____, Drought of 1911 in North Carolina, 39:988

_____, Storm of Sept. 3, 1913, in eastern North Carolina, 41:1300

_____, Tornado at Meridian, Miss., Marc 2, 1906, 34:118–19

DEPPERMAN, Rev. C.E.– Cloud photography at Manila Observatory, 63:191–92

_____, Typhoons of June and July 1933 in eastern seas, 61:210

_____, Typhoons in Far East, Sept. 1933, 61:284–85

_____, Typhoons in Far East during Oct. 1933, 61:313

_____, Typhoons in Far East during Nov. 1933, 61:338

DE RIEMER, Alicia, and C. ABBE– Average frequency of days of hail during 1893–97, 26:546–47

DE ROMAS’s kite, 25:58–59

DESCOMBES, Paul– Reforestation and occult condensation, 43:617–18

DESLANDRES, H.– Rotation of solar corona, 43:502

DEUSSEN, Prof. Alexander– Storm of Feb. 20, 1912, at Austin, Tex., 40:254–255

DEVEREAUX, William C.– Drought in Ohio Valley and water supply, 58:401

_____, Fog in Ohio Valley, 58:107

_____, Heavy snowfall of April 27–28, 1928, in upper Ohio Valley, 58:107

_____, Local changes of climate, 36:97

_____, Photograph of lightning at Havana, Cuba, [il], 31:472–73

_____, Records at Abbe Meteorological Observatory compared with those at Government Building..., [il], 45:224–31

_____, Relation of deforestation to precipitation and run-off in Wisconsin, 38:720–23

_____, Thunderstorm at Cincinnati and its relation to electrical power service, 55:112–18

_____, Tornado at Cincinnati, Ohio, March 11, 1917, 45:115–17

_____, Weather in Cincinnati, Ohio, for 130 years, 47:480–86

_____, Work of Weather Bureau for river interests along Ohio river, 51:589–90

DEVOL, William S.– Note on weather at Redlands, Cal., 39:275

DEWAR, Prof. James– Problems of atmosphere, 32:10–12

DEXTER, Prof. Edwin G.– Conduct and weather, 27:353–54

_____, Inductive studies in weather influence, 31:19–20

DIBRELL, W.W.– Brazos river overflows and levee protection, 39:251–52

DICE, Marion E.– Protecting oil reservoirs against lightning, 56:137–38

_____, Tornado at Vernon, Cal., March 15, 1930, [il], 58:324–25

DIEHL’s, G.B., abstract of Hoxmark’s paper on influence of climate on wool yield in

- Argentina, 56:60–61
- DIETSCH, Marie– Investigations of change of wind with altitude in cyclones, 48:402
- DIETRICH, Sigismund R.– Kidson on average annual rainfall in New Zealand, 1891–1925, 59:121
- _____, Knoch and Reichel on distribution and annual march of precipitation in Alps, 58:499
- _____'s abstract of results of rainfall observations in Western Australia, 59:278
- DINES, J.S.– Clouds at Royal Academy, 46:235–36
- _____, Direction of rotation of cyclonic depressions, 47:87–89
- _____, Empirical factors in weather forecasting, 57:474
- _____, French daily weather report, 57:385–86
- _____, Further measurements on rate of ascent of pilot balloons, 47:452
- DINES, William H.– Atmospheric and terrestrial radiation, 48:414
- _____, Characteristics of free atmosphere, 47:644–47
- _____, Circulation and temperature of atmosphere, 43:551–56
- _____, Connection between pressure and temperature in upper layers of atmosphere, 50:638–42
- _____, Daily variation of temperature in lower strata of atmosphere, 47:164
- _____, Equivalent radiative temperature of night sky, 49:488
- _____, Ether differential radiometer, 49:244
- _____, Free atmosphere in India, 52:450
- _____, Local circulation of atmosphere, 44:182–86
- _____, Meteorology and aviation, 45:401
- _____, Progress of meteorology, 47:875; 48:598–99
- _____, Temperature of upper air as observed on mountains and with kite meteorograph, 31:381
- _____, presentation of Symons Memorial Medal to, 45:606
- _____, retirement of, 50:313
- _____, scientific papers of, collected ,Gregg on, 60:147–48
- _____'s theorem of correlation coefficient, comparison of, with Walker's, Woolard on, 55:460–61
- _____, and W.N. SHAW– Meteorological observations obtained by use of kites..., 31:228–29
- DISTERDICK, Fred L.– City smoke and heat effects on minimum temperatures, 58:330–31
- _____, Severe sand storm in eastern Wyoming, Jan. 18, 1933, 61:16–17
- DOBERCK, W.– Weather forecasting in Hongkong, 27:98–99
- DOBLER, Martin L.– Halos and rain or snow, 35:227
- DOBSON, G.M.B.– Characteristics of atmosphere up to 200 kilometers..., 51:359–60
- _____, Meteorology in service of aviation, 49:239
- _____, Summary of present state of knowledge of distribution of ozone in upper atmosphere, 57:56–57
- _____, Winds and temperature-gradient in stratosphere, 48:11, 160–61
- _____, D.N. HARRISON and J. LAWRENCE– Measurements of amount of ozone in earth's atmosphere, 55:364–65
- DODGE, Prof. Richard E.– Diurnal winds on faint gradient in northwestern New Mexico,

29:299-300

- DOEPPLER's principle for windy atmosphere, Bateman on, 45:441-42
- DOHERTY, C.J.- Hurricane of Oct. 17-18, 1910, at Key West, Fla., 38:1489-90
- DOLE, Robert M.- Cirro-cumuli and thunderstorms, 53:310
- _____, Fire-colored sunset as valuable clue to existence of tropical storm, 49:191
- _____, Hot squall on Maine coast, 48:453
- _____, Ice storm and gale of Jan. 25-27, 1921, at Wilmington, N.Car., 49:15-18
- _____, Record-breaking rainfall in southern Michigan, 51:465-66
- _____, Snow cover, cold waves, and zero temperatures, 55:82
- _____, Snow squalls of Lake region, 55:512-13
- _____, and D.A. SEELEY- Hailstorms in Michigan, 1920-23, 52:195-205
- DONALDSON, W.E.-Temperature element of climate of Binghamton, N.Y., 32:78-79
- _____, Tornado of June 5, 1905, at Binghamton, N.Y., 33:239-40
- DONGIER, R.- Simultaneous variations of temperature and wind speed on Eiffel Tower, 49:158-59
- DONNEL, Charles A.-Dry season in Idaho, 38:1279-80
- _____, Effect of time of observation on mean temperatures, 40:708
- _____, Hurricanes of 1917, 45:612-13
- _____, Notes on hurricanes of 1918, 46:568
- _____, Temperature relations between two Chicago Weather Bureau stations, 62:131-32
- DONNELLY, EC.- Human comfort as basis for classifying weather, 53:435-36
- DORNO, Prof. C.- Atmospheric optical disturbances, Fall of 1911 to Feb. 1917, 45:483-84
- _____, Fluctuations in values of solar constant, 53:519-21; 54:63
- _____, Observations of solar and sky radiations and their importance..., 48:18-24
- _____, Papers on relation of atmosphere to human comfort, [il], 54:39-43
- _____, Physical-meteorological Observatory at Davos, Switzerland, 52:160-61
- _____, Progress in radiation measurements, [il], 50:515-21
- _____, Radiation and polarization measurements during solar eclipse of April 8, 1921, at Davos, Switzerland, 52:160-61
- _____, Suggestions concerning Abbott's program for four world observatories..., 48:348-51
- _____, , retirement of, 54:506; 56:108
- _____, 's article on technique of measurement of solar radiation, Kimball's review of, 52:580-81
- _____'s report on daily, yearly, and secular variations of solar radiation at Davos, Kimball on, 57:54-56
- _____, and A. ANGSTRÖM- Registration of intensity of sun and diffused sky radiation, 49:135-38
- _____, and J. MAURER's paper on progress and geographical distribution of atmospheric-optical disturbance of 1912-13, 42:214-16
- DORRANCE, R.L. and F.T. SHUTT- Nitrogen compounds in rain and snow, 47:878
- DORSEY, M.J.- Relation of weather to fruitfulness in plum, 48:644
- DORSEY, Dr. N. Ernest- Color and polarization of blue sky light, 28:382-89
- _____, Effects of lightning stroke, [il], 53:479-83
- _____, Lightning, 55:268-70

- _____, Review of Prof. Very's memoir on atmospheric radiation, 28:394
- _____, Selenium and its use for measurement of sunshine, 27:99–100
- DOUGETTE, Bernard F.— Typhoon and depressions in Far East, July 1934, 62:259
- _____, Typhoons in Far East, Aug. 1934, 62:305
- _____, Typhoons in Far East during Sept. 1934, 62:353–54
- _____, Typhoons in Far East, Oct. 1934, 62:389–90
- _____, Typhoons and depressions in Far East, Nov.–Dec. 1934, 62:470–72
- _____, Typhoon over Far East, April 1–9, 1935, 63:146–47
- _____, Typhoons and depressions over Far East, July 1935, 62:234–35
- _____, Typhoons of Far East, Aug. 1935, 63:260
- _____, Typhoons and depressions over Far East, Sept. 1935, 63:282–83
- _____, Typhoons over Far East, Oct. 1935, 63:306
- _____, Typhoons and depression over Far East, Nov. 1935, 63:332
- _____, Typhoons over Far East, Dec. 1935, 63:368–69
- DOUDNA, Prof. P.E.— Safety fuse for lightning on anemometer, 26:257
- DOUGLAS, Archer W.— Relations of weather and business, 47:867
- DOUGLAS, C.K.M.— Formation of anticyclonic stratus, 45:455
- _____'s article on aspects of surfaces of discontinuity, Read on, 57:512–13
- DOUGLAS, J.S.— California cloudburst, 36:299–300
- DOUGLASS, Prof. Andrew E.— Evidence of climatic effect in annual rings of trees, 47:881
- _____, Note on certain cloud forms observed at Tucson, Ariz., Aug. 18, 1924, 52:533
- _____, Photography of zodiacal light and counter glow, 44:246
- _____, Twilight phenomena in Arizona, Sept. to Dec. 1916, 44:625–26
- _____, Weather cycles in growth of big trees, 37:225–37
- _____'s "Climatic cycles and tree-growth", Henry's review of, 50:125–27
- DOVE, Leonard P., and others— Extraordinary dust storm in North Dakota, 49:411–12
- DOW, J.S.— Relation between sunlight and moonlight, 45:532
- DRAKE, T.F.— Report on annual rise of Columbia river, 1910, 38:1119–20
- DRAPER's self-registering thermometer, [il], 16:50
- DRAWBAUGH, W.B., and J.C. BALLARD— Effect of temperature on pressure elements of Friez aerometeorograph, 62:53–54
- DUENCKEL, F.W., and W.H. HAMMON— Comparison of minimum temperatures at United States Weather Bureau and Forest Park, St. Louis, Mo., 1891, 30:12–13
- DUFFIELD, W.G., and T.H. LITTLEWOOD— Correction of marine barometer for errors due to swinging, 49:412
- DUFOUR, Prof. Charles— Atmospheric refractions at surface of water, 24:371–73
- DUFRENOY's observations of temperatures of plants in sunlight and shade, 47:327
- DUKE, Dr. B.F.— Origin of tornadoes, 26:552
- DUNN, Gordon E.— Dallas, Tex., tornado of July 30, 1933, [il], 61:201
- _____, Tropical disturbance of June 5–23, 1934, 62:202–03
- _____, Tropical storms of 1933, 61:362–63
- _____, Tropical storms of 1934, 62:457
- DUNOYER, L.— Errors which can result from incomplete knowledge of aerological conditions, 47:810
- _____, and G. REBOUL— Diurnal variation of wind with height, 46:211

- _____, and G. REBOUL– Forecasting problem, 49:352
- _____, and G. REBOUL– Influence of seasons and winds aloft on variations of atmospheric pressure..., 47:735
- _____, and G. REBOUL– Use of cirrus in forecasting of weather, 48:156
- _____, and G. REBOUL– Wind circulation as basis for forecasting location of pressure areas, 48:221
- DUNWOODY, H.H.C.– Rain frequency and wind rose for April, 15:118–19
- DURAND-GRÉVILLE, E.– Squalls and prediction of tornadoes, 42:97–99
- _____,s work on thunderstorms, 35:264–65
- DUVAL's, William, summary of observations at Signowya, 21:298
- DYKE, Ray A.– Excessive rainfall of July 22–25, 1933, in Louisiana and extreme eastern Texas, 61:202–03
- _____, Further note on hurricane of Aug. 6, 1918, 47:419
- _____, Heavy hailstorm and local squall at New Orleans, La., 52:205
- _____, Nocturnal temperature inversions near Gulf coast, 57:500–02
- _____, Tornado of Dec. 24, 1921, in northeastern Louisiana, 49:665
- _____, Tropical hurricane of Sept. 27–28, 1917, in southeastern Louisiana, 45:506–08
- _____, Tropical storm of Aug. 25–26, 1926, in southern Louisiana, 54:269–70
- _____, J.L. KENDALL, and W.E. BARRON– Hail, April 21, 1929, in Kentucky, Illinois, and Louisiana, 57:157–58

AUTHOR INDEX - E

- EADIE, John H.– Cumulus clouds at Bayonne, N.J., fire, 28:433
_____, Tornado in Hudson county, N.J., Aug. 24, 1901, 29:355–56
- EARLSCLIFFE, Herbert– Utilization of fog, 26:466
- EASTON, Dr. C.– Periodic oscillations of temperature, 59:37–39
_____, Periodicity of winter temperatures in western Europe, 47:654
_____, Winters in western Europe, 56:408–10
- EATON, G.S.– High relative temperatures of pavement surfaces, 47:8–1–02
- EBERT, Hermann– Atmospheric electricity considered from standpoint of theory of electrons, 31:229–32
_____'s summary of Chrystal's theory of seiches, 34:226
- EDDY, William A.– Experiments on kites, 25:310–11, 312–13
_____, Experiments in weather prediction, 27:96–97
_____, Perpendicular cold air movements as related to cloud velocity, 32:559–60
_____, Record of some kite experiments, 26:450–52
- EDLEFSEN, N.E., and F.L. WEST– Freezing of fruit buds, 49:21–22
_____, F.L. WEST, and S.P. EWING– Determination of normal temperature by means of equation..., 47:877
- EDLUND's, Prof., communication on origin of atmospheric electricity, Nov. 1878:12–13
- EDWARDS, Miss. R.A.– Meteorological service of Servia, 30:569–70
_____, Meteorology in National Agricultural Institute of France, 31:70–71
- EELLS, Rev. M.– Dark day in Washington, 30:440
- EGBERT, Prof. H.V.– Tornado of May 10, 1890, at Akron, Ohio, 18:158–59
- EIFFEL's, G., "Etudes Pratiques", 33:442–44; 34:359–60
- EKHOLM, Dr. Nils– Influence of deviating force of earth's rotation on movement of air, 42:330–39
_____, Reduction of air temperatures at Swedish stations to true mean, 45:58–59
_____, Relation between pressure variation and temperature, humidity, and latitude, 43:466
_____'s measurement of saturated vapor pressure, 37:3
- EKLUND, Ernest E.– Meteorological survey of proposed sites for San Francisco municipal airport, 57:8–11
_____, Record of evaporation stations in California, 57:378–81
_____, Some additional facts about climate of Death Valley, Cal., 61:33–35
- ELFSTRUM, Axel F.– Parhelion, Jan. 27, 1895, 23:14–15
- ELIASON, B.F.– Snow survey on Pole Creek watershed, Sanpete county, Utah, 40:770–71; 41:771
- ELIOT, Sir John– Cold weather storms of India and America, 21:295–97
_____, Daily weather map for northern and southern hemispheres, 31:531
_____, Generation of cyclones, Jan. 1880:15–16
- ELLERMAN, F., and G.E. HALE– Minute structure of solar atmosphere, 45:532
- ELLIGERS, Capt. J. jr.,– Hurricane in Gulf of Mexico, 31:415
- ELLIS, Col. Wilmot E.– Free air data in Hawaiian Islands, July 1915, 45:52–55
- ELLISON, Eckley S.– Critique on construction and use of minimum–temperature

- formulas, 56:485–95
- _____, and W.L. CLOSE– Critical Spring temperatures for apples in Yakima Valley, Wash., 55:11–18
- ELMER, Alton D.– Cloudbursts, 30:478
- _____, High winds in mountain valleys, 31:18
- _____, Lightning from cloudless skies, 28:556
- _____, Meteorological extremes at Northfield, Mass., 26:251–52
- _____, Mountain storms, 25:307
- _____, Temperature and rainfall departures at Hawaii as duplicated in New England sixty days later, 31:517
- _____'s letter on long-range forecasting, 32:517
- ELVEY, C.T.– Some observations of sun through dust storm, 62:201–02
- EMDEN, Robert– Radiation equilibrium and atmospheric radiation, 44:450–59
- EMERSON, O.H., T.A. JAGGAR, and R.H. FINCH– Lava tide, seasonal tilt, and volcanic cycle, 52:142–45
- EMERY, E.H.– North Atlantic coast storm of Nov. 26–27, 1898, 26:494–95
- _____, Tornadoes at Cherry Hill, N.J., and Woodhaven, Long Island, July 13, 1895, 23:252–53
- EMERY, S.C.– Floods in Mississippi, 26:141–42
- _____, Floods in Ohio and central Mississippi Valleys, 26:4
- _____, High water in Memphis district, Nov. 1919, 47:824
- _____, Mississippi river flood from Cairo, Ill., to Helena, Ark., 36:199–200
- _____, Mississippi tornado, March 28, 1902, 30:265
- _____, Severe storms in western Tennessee, 41:415–16
- _____, Tornadoes in Tennessee, Mississippi, and Arkansas, 28:499–501
- EMIGH, Eugene D.– Average streamflow of Savannah river, 39:33
- _____, Freshets in Savannah river, 42:46–62
- _____, Precipitation for 29 years at Dodge City, Kan., 32:115–16
- _____, Rain at freezing temperatures, 32:114
- _____, Stevens Creek power development on Savannah river, 41:1146
- _____, Unusual weather at Dodge, Kan., 33:51–52, 156
- EPPERLY, Perry O.– Fog formation and dissipation in Oklahoma City area, 1920–1931, 61:267–69
- _____, Rain-bearing winds of central Oklahoma, 61:269–71
- EREDIA, Filippo– Drought in Italy during 1921, 51:86–87
- _____, Influence of Mt. Etna on free-air currents, 50:649
- _____, Predicting drought in Europe, 51:142
- _____, Secondary depressions in Adriatic sea, 52:496–97
- ERMAN, Prof. Adolph– Transformations of snow crystals, 37:13–14
- _____, biography of, son's, 34:414–16
- _____'s abstract on use of kites in meteorology, 36:98
- ERMAN, Wilhelm– Professor Adolf Erman, 34:414–16
- ERRERA's, Prof. L., experiment on rainfall, 24:373–74
- ERSKINE–MURRAY, Dr. J.– Function of atmosphere in wireless transmission, 42:534–37
- ESHLEMAN, Cyrus H.– Are present methods of rainfall insurance sound? 53:310–11

- _____, Do Great Lakes diminish rainfall in crop-growing season? 49:500–02
- _____, Dustfall at Ludington, Mich., March 25, 1923, 51:315
- _____, Remarkable snowstorm at Grand Haven, Mich., 36:408–09
- ESPY, Prof. James P.– Dew point, 24:373
- _____, life and work of, 34:83–84
- _____, relation between, and Franklin Kite Club, 24:334
- _____'s nepheloscope, 35:123
- _____'s use of kite, 25:163
- ETKES, P.W., and C.F. BROOKS– Smoke as indicator of gustiness and convection, 46:459–60
- EUBANK, E.M.– Unusual hailstorm at Ballinger, Tex., 45:118
- EVANS, Edward A.– Brief discussion of conditions contributing to freshets in James river watershed, 32:67–71
- _____, Flood in James river, 36:234
- _____, Freshets in James river, Va., 28:156, 590–91
- _____, Hail and its methods of formation, 28:156
- _____, Phenomenal rainfall at Guinea, Va., 34:406–07
- _____, Relation of temperature to color, 28:18–19
- _____, Some physical features and flood conditions of James river valley, 27:250–51
- EVERDINGEN, Prof. E. van.– International Meteorological Committee, 58:468
- _____, Propagation of sound in atmosphere, 44:246–47
- EVERETT's, Prof. J.D., memoir on atmospheric electricity, Feb. 1879:13–14
- EWING, E.C.– Certain environmental factors influencing fruiting of cotton, 48:354–55
- EWING, S.P., F.L. WEST, and N.E. EDLEFSEN– Determination of normal temperature by means of equation..., 47:877
- EXNER, Prof. Felix M.– Atmospheric electricity, 15:121–22
- _____, Dynamical meteorology, 47:881
- _____, Interrelations of pressure anomalies over earth, 55:238
- _____, Propagation of cold air on surface of earth, 49:3
- _____, Structure of anticyclones and cyclones in stratosphere over Europe, 49:653–55
- _____, Weather situation in Europe in winter of 1928–29, 57:498–99
- _____'s "Dynamical Meteorology", Woolard on, 55:18–20
- _____'s paper on circulation of cold and warm air between high and low latitudes, Henry on, 57:491–98
- _____'s "World pressure and temperature anomalies". Review of, 53:541

GALITZIN, Prince Boris– Beaufort wind scale and new Russian equivalents, 43:407–08
 _____’s letter on lowest temperatures at meteorological station, 45:407–08
 GALLE, P.H.– Relation between departures from normal in strength of trade winds... , 43:341
 _____ Relation between strength of trade winds of North Atlantic
 and temperature in Europe, 44:644
 GALLENKAMP, W.– Form and area factors for evaporation, 47:857
 GALLI, Prof. Ignazio– Italian twilights of 1913, 42:76
 GANGOITI, L.– General circulation of atmosphere, 47:389–90
 GANNETT, Henry– Construction of rainfall maps, 30:205–06
 _____’s remarks on influence of earth’s relief on rainfall, 30:223–24
 GANONG, W.F.– Seismic and oceanic noises, 26:153, 154
 GARMAN, Dr. S.– Noises made by fish, 26:153–54
 GARNER, W.W., and H.A. ALLARD– Effect of relative length of day and night, 48:415
 GARRETSON’s, L.T., letter on deflection of thunderstorms by tides, 32:520
 GARRETT, Charles C.– Atmospheric temperature and coddling moth, [il], 51:128–29
 _____ Heavy rainfall and flood at Lincoln, Neb., 38:1209
 _____ Predicting minimum temperatures in vicinity of Walla Walla, Wash., 50:366–68
 _____ Predicting minimum temperatures in Walla Walla, Wash., frost-warning district,
 Suppl. 16:50–52
 GARRIOTT, Prof. Edward B.– Chinook winds, 20:23
 _____ Classified weather types, 29:548–49
 _____ Climate of Siberia, Korea, and Manchuria, 32:124–25
 _____ Cold waves of March, 20–23 and 24–28, 1898, 26:91–92
 _____ Cold waves on middle Gulf Coast, 23:334–35
 _____ Equinoctial storms, 25:276–77
 _____ Extension of Weather Bureau work, 28:242–43
 _____ Heavy snow and wind storms of Feb. 18–22, 1898, 26:47
 _____ High areas north of St. Lawrence Valley in October, November, and December, 23:292
 _____ High areas of North Pacific coast in September, October, and November, 23:249–50
 _____ Movements of high barometer areas over North Atlantic Ocean, 15:273–74
 _____ Ocean fog predictions, 15:176–77, 336–37
 _____ Panama rainfall, 35:75–76
 _____ Possible extension of period of weather forecasts, 34:22–23
 _____ Prediction of fog near Newfoundland, 15:91, 122, 150
 _____ Prof. Park Morrill, 26:356
 _____ Storm warnings for lake vessels, 33:484–85
 _____ Storms of Jan. 21–23 and 24–26, 1898, 26:3
 _____ Storms of April 13–15 and 18–20, 1898, 26:140
 _____ Tropical storms of Gulf of Mexico and Atlantic ocean in September, 23:167–69
 _____ Unseasonable weather in United States, 30:301–02
 _____ Warm waves of July and August 1892, 20:223–25
 _____ Weather Bureau cipher code, 33:439–40
 _____ West Indian hurricanes of Sept. 1–12, 1900, 28:371–77
 _____ West Indian hurricane of Aug. 8–15, 1903, 31:365–66
 _____ West Indian hurricanes of Sept. 1906, [il], 34:416–23
 _____ West Indian service, 26:303

____ Wind-barometer table, 25:204–05
GARTHWAITE, J.W.– Letter on frost and frost prevention, 42:571–72
____ and F.A. CARPENTER– Memorandum on air drainage in vicinity of Corona district, Cal.,
42:572–73
GAST, P.R.– Correlation between solar radiation intensities and relative humidities, 57:464–65
____’s paper on thermoelectric radiometer for silvical research, Kimball’s review of, 58:159–60
____ and P.W. STICKEL– Solar radiation and relative humidity..., 57:466–68
GATES, Donald S.– South African rainfall, effectively presented by new graphical method, 58:254
GAUTIER, Raoul– Centennial of meteorological station at Grand Saint–Bernard, 45:603
____ Snow conditions at Geneva in 60 years 1857–1917, 47:699
GAWTHROP, Henry– Seasonal departures of temperature at Philadelphia, Pa., during last twenty years, 35:578
____ Temperature courses, 35:576–78
GAY, Ellis– Waterpouts on Lake Ontario, 49:409
GEDDINGS, R.M.– Meteorological notes from Porto Rico, 28:287
GEORGII, Walter– Sirocco observations in southwestern part of Palestine, 48:40
____ Wettervorhersage, 52:498–99
GEREN, Harry O.– Drough of 1910–11, in South Carolina, 39:664
GERLAND’s Beiträge zur Geophysik, resumption of, 54:261–62
GERMANN, A.F.O.– Density of oxygen, 43:511
GHERZI, Father E.– Atmospheric and tropical cyclones, 57:23–24
____’s paper on winds and upper air currents along China coast and Yangtse Valley, Henry’s review of, 59:278
____’s study of rainfall of China, Henry’s review of, 57:12–17
GHEURY, M.E.J.– Observations of halos and coronas in England, 34:573–74; 35:213–15, 579–81; 36:256–59
____ Specific gravity of snow, 35:583; 37:98–100
____ Suggested reforms in meteorological methods, 37:91–92
GIBBS, Oliver, jr.– Blizzards and schools, 23:465
GIBLETT’s, M.A., memoir on structure of wind over level country, Griminger’s review of, 60:221–22
____’s paper on line-squalls, Henry’s abstract of, 56:7–11
____ and J. BJERKNES– Analysis of retrograde depression in eastern United States of America, 52:521–27
GIBSON, Arthur– Notes on weather in Alaska for Feb. 1912, 40:307, 471
GIBSON, Dr. J– Formation of hail, 37:11
____ Tornadoes, hailstorms, thunderclouds, 34:30–31
GILBERT, Dr. Grove K.–Water level of Great Salt Lake, 29:23–24
GILBERT, W.W., and L.R. JONES– Lightning injury to cotton and potato plants, 43:135
GILES, Prof. Albert W.– Charlottesville, Va., tornado of Aug. 7, 1922, 50:426–27
____ Climatic cycles, 58:321–23
____ Tornadoes in Virginia, 1914–1925, 55:169–75
____ Virginia tornado, [il], 46:460–64

- GILLAM, Frank– Hot summers and cold winters at Washington D.C., 26:456
- GISBORNE, H.T.– Five-year record of lightning storms and forest fires, 59:139–50
- _____ Lightning from clear sky, 56:108
- _____ Lightning and forest fires in northern Rocky Mountain region, 54:281–86
- _____ Meteorological factors in Quartz Creek forest fire, 55:56–60
- _____ Using weather forecasts for predicting forest fire danger, 53:58–60
- GITTINGS, E.B., jr.– Climatic sketch of Tacoma, Wash., 35:68–70
- GLAISHER, James– Weather map and observations, 25:206
- _____’s factors, Marvin on, [il], 34:209–12
- GLASS, E.J.– Sudden temperature changes in Montana, 28:161
- _____ Water supply and snowfall, Montana, 28:495–96
- GLASSPOOLE, Dr. John– 24-monthly period of rainfall fluctuation in Saragossa, 57:428
- _____ Rain-gage funnels of different depths, 59:157–58
- _____ and C.E.P. BROOKS– Drought of 1921 in British Isles, 50:93
- _____ and C.E.P. BROOKS’ paper on drought of 1921, Henry’s review of, 50:357–59
- GLAZEBROOK, Otis A.– Tremendous snowstorm in Palestine, Feb. 9–11, 1920, 48:80
- GLENN, S.W.– Heat and drought in South Dakota during Summer of 1913, 41:1451–52
- _____ Memorable snowstorms in South Dakota, 25:15–16
- _____ Severe windstorms in South Dakota, 36:166
- _____ Violent wind in South Dakota, 31:22
- GLIDDEN, Charles J.– Balloon among thunderstorms, 37:175
- GOCKEL, A.– Color and polarization of sky light, 49:26
- _____ Penetrating radiation present in atmosphere, 43:592–3
- _____ Polarization of sky light, 45:576
- _____ Visibility and weather forecasting, 49:352
- GODDARD, R.H.– High-altitude rocket, 52:105–06
- GODING, Frederic W.– Meteorological stations in Ecuador, 1920, 48:99–100
- GOETZ, F.W. Paul– High intensity of solar radiation in Spring of 1928, 56:185–86
- _____ Local brightness of ultra-violet light, 53:117
- GOLD, Lieut. Col. E.– Travel of depressions, 54:260–61
- _____ Unification of British Meteorological Services, 47:650–51
- GOLDIE, A.H.R.– Cause of cyclones, 52:542–43
- GOODALE’s, Prof. George L., letter on relation between forests and rainfall, 30:226–27
- GOODE, J. Paul– New projection for world maps, 57:133–36
- _____ Use of lantern in teaching meteorology, 34:263–64
- GOODWIN, George– Hurricane at Turks Island, Sept. 16, 1926, 54:416–17
- GORBATCHEV, Prof. Peter P.– Concerning relation between duration, intensity, and periodicity..., 51:305–08
- GORCZYNSKI, Dr. Ladislas– Calculation of degree of continentality, 50:370
- _____ Depression in value of total intensity of solar radiation in 1903, 35:171–75
- _____ Depressions observed in values of solar radiation intensity, 49:606–08
- _____ Diminution of intensity of solar radiation during 1902–03, at Warsaw, Poland, 32:111–13
- _____ Influence of glass cover on actinometric thermometers, 35:358–61
- _____ Simple method of recording total and partial intensities of solar radiation, [il], 52:299–301
- _____ Solarimeters and solarigraphs, [il], 54:381–84
- _____ Some results obtained by testing solarimeters with pyrliometric tubes, [il], 55:488–90

- GORDON, James H. – Angle measuring device for halo observers, 50:133–34
 _____ Colorado river situation, [il], 56:211–15
 _____ Problems of lower Colorado river, [il], 52:95–98
 _____ Temperature survey of Salt River Valley, Ariz., 49:271–74
 _____ Tidal bore at mouth of Colorado river, Dec. 8–10, 1923, 52:98–99
 GORTNER, Ross A. – Lowest temperature obtainable with salt and ice, 42:167–68
 GORTON, A.F., and B.W. CHAMBERS – Pyranometer records assist in distinguishing between haze..., 59:76–77
 _____ and G.F. MC EWEN – Meteorology and seasonal weather forecasting: 58:495
 GOTTLICH, Samuel – Note on deep northeast-component winds observed Jan. 27–31, 1920, 48:81–82
 GOWAN, Edward H. – Effect of ozone on temperature of upper air, 59:80–81
 GOWEY, H.D. – Rain gushes and thunderstorms, 26:258
 GRANT, Hugh D. – Contribution to meteorology of English Channel, 48:697
 GRANT, R.Q. – Hurricane of Oct. 18–19, 1910, at Charleston, S. Car., 38:1491
 GRANVILLE, John J. – For Hall irrigation project, Idaho, 38:1434–35
 GRASSHAM, R.T. – Dry chinook in British Columbia, 35:176
 GRAVELIUS's, Prof. H., letter on weather maps, 30:228
 GRAVES, Henry S. – Place of forestry among natural sciences, 41:671–72
 GRAY, James J. – Tornado and waterspout at Norfolk, Va., Aug. 6, 1901, 29:372
 GRAY, Julian T. – Circumhorizontal arc observed, 44:245–46
 GRAY, Leslie G. – Long-period fluctuations of some meteorological elements..., 62:231–35
 _____ Mobile fire weather forecast unit, 57:377–78
 _____ Useful hygrometric calculating device, 63:16–17
 GRAY, Richard W. – Florida hurricanes, 61:11–13
 _____ Snow formed by mixture of warm and cold air, 34:78–79
 _____ Solar halo of Sept. 28, 1916, at Miami, Fla., [il], 44:627
 _____ Tornado of April 5, 1925, near Miami, Fla., 53:145–46
 _____ Tornado within hurricane area, [il], 47:639
 GREEN, W.H. – Conditions attending period of high temperature and drought..., 41:1450
 _____ Violent local storm at Abilene, Tex., 29:1066
 GREENING, Gershon K. – Climatic conditions in Louisiana purchase as found by Lewis and Clark., 58:317–19
 _____ Hailstorm of Sept. 7, 1930, across extreme southeastern South Dakota..., [il], 58:365
 _____ Middle Missouri Valley tornadoes, Sept. 13, 1928, 56:353–54
 GREGG, Willis R. – Aerological investigations of Weather Bureau during war, [il], 47:205–10
 _____ Aerological observations in West Indies, 48:264
 _____ Aerological survey of United States, 50:229–41; Suppl. 20 and 26
 _____ Average free-air conditions as observed by kites at Drexel..., 48:1–11
 _____ Collected scientific papers of William H. Dines, and future prospects, 56:505–09
 _____ First successful non-stop trans-Atlantic flight, 47:416
 _____ First trans-Atlantic flight, [il], 47:279–82
 _____ Free-air data at Broken Arrow, Drexel, Ellendale, and Royal Center aerological stations, July–Sept. 1918, Suppl. 14, pt. 1
 _____ Free-air data at Broken Arrow, Drexel, Ellendale, Groesbeck, Leesburg, and Royal Center stations, Oct.–Dec. 1918, Suppl. 15, pt. 1

- _____ Free-air data at Drexel aerological station, July–Dec. 1916, Suppl. 8
- _____ Free-air data at Drexel aerological station, Jan.–June 1917, [il], Suppl. 10
- _____ Free-air data at Drexel aerological station, July–Dec. 1917, Suppl. 11
- _____ Free-air data at Drexel and Ellendale aerological stations, Jan.–March 1918, Suppl. 12, pt.1
- _____ Free-air data at Drexel and Ellendale stations, April–June 1918, Suppl. 13, pt. 1
- _____ Free-air temperature during cold winter of 1917–18, Suppl. 12, pt. 2
- _____ Halo phenomena observed during 1918, 46:309–10, 357, 404–05, 447–48, 501, 551–52
- _____ Halo phenomena observed in United States, 1919, 47:17–20, 117–20, 176–80, 248–52, 335–40, 422–25
- _____ Highest aerial sounding, 48:633
- _____ History of application of meteorology to aeronautics with special reference to United States, 61:165–69
- _____ Improved kite hygrometer and its records, [il], 45:153–55
- _____ Instruction in meteorology for aviators, 50:76
- _____ Mean values of free-air barometric and vapor pressures, temperatures and densities..., 46:11–20
- _____ Note on high free-air wind velocities observed Dec. 16–17, 1919, 47:853–54
- _____ Progress in international meteorology, 63:339–42
- _____ Relations between free-air temperatures and wind directions, 52:1–18
- _____ Report of British Civil Aerial Transport Committee, 47:80
- _____ Results of observations by means of kites, 50:229–41
- _____ Some outstanding aerological problems, 53:14–16
- _____ Some recent papers on rate of ascent of pilot balloons, 48:694–96
- _____ Temperatures versus pressures as determinants of winds aloft, 48:263
- _____ Trans-Atlantic flight of British dirigible “R-34”, [il], 47:541–43
- _____ Trans-Atlantic flight from meteorologist’s point of view, 47:65–75
- _____ Turning of winds with altitude, 46:20–21
- _____ Vertical temperature distribution in lowest five kilometers of cyclones and anticyclones, 47:647–49
- _____ Weather Bureau exhibit at first Pan American Aeronautic Exposition, [il], 45:55
- _____’s “Aerological survey of United States”, part 2 of, Varney’s review of, 54:379–80
- _____’s note on Ray’s “Average free-air winds at Lansing, Mich.”, 50:645–46
- _____, S.P. FERGUSSON, and L.T. SAMUELS– International aerological soundings at Royal Center, Ind., 55:293–307
- _____ and W.C. HAINES’ discussion of Fassig’s “Pilot-balloon observations at San Juan, P.R., 52:23–26
- _____ and J.P. VAN ZANDT– Frequency of winds of different speeds at flying levels..., 52:153–57
- _____ and J.P. VAN ZANDT– Wind factor in flight; analysis of year’s record of air mail, 51:111–25
- GREGORY, Prof. J.W.– Meteorological influences of sun and Atlantic, 48:465–66
- GREGORY, Sir Richard– Weather recurrences and weather cycles, 58:483–90
- GREIG–SMITH, Dr. R.– Lawrence Hargrave, 1850–1925, 46:27
- GRENEWALD, Mrs. L.H.– Cold air in low lands, 24:14–15
- GRET, A., R. BUREAU, and A. VIAUT– Recorder of frequency of atmospheric:– its use in

meteorology, 55:327

GRIEVE's, Mackenzie, and H.G. HAWKER's non-stop flight to Ireland, May 18, 1919, 47:283

GRIFFIN, Alfred A.– Influence of forests upon melting of snow in Cascade Range, [il], 46:324–27

GRIMMINGER, G.– Review of “Structure of wind over level country”, 60:221–222

____ Upward speed of air current necessary to sustain hailstone, 61:198–200

GROAT, B.F.– Force of tornado, 27:305

GROGAN, S.A.– Heavy rains at Tampico, Mexico, June 29–July 5, 1919, 47:468–69

____ Hot winds at Tampico, Mexico, April 6–7, 1919, 47:234

____ Northers on east coast of Mexico, their effects, and forecast by local observations, 47:469–71

GROISSMAYR, Fred B.– Beitrag zur Langfrist-Wettervorhersage, 58:294

____ Correlation studies: temperature in eastern United States, 57:20–21

____ Correlations for long-range forecasting, 56:370–71

____ Influence of weather factors in India on following winter in Canada, 57:543–55

____ Nile flood studies, 55:413

____ Relations between summers in India and winters in Canada, 57:453–55

____ Relation between winters in Manitoba and following spring in eastern United States, 58:246–47

GROUT, John H. jr.– Weather and storms of Malta during Oct. 1898, 26:546

GRUNER, P.– Need of geophysical observing stations, 45:577

GRUNSKY, C.E.– Electric storm in southern California, 35:228

____ Evaporation from lakes and reservoirs, 60:2–6

____ Improbability of rainfall cycles, 55:66–68

____ Interpolation of rainfall by method of correlation, 59:235–36

____ Seasonal rainfall to any date, 55:132–33

____ Simplified rain-intensity formulas, 58:416–18; 59:83

____ Tulare lake– contribution to long-time weather history, [il], 58:288–90

____ and R.E. HORTON's paper on hydrology of Great Lakes, Henry's abstract of, 56:11–14

GRUSS, E.W. – Protecting truck against frost, 39:1231–32

____ Protection against frost, 39:581–82

GUILBERT, Gabriel– Application of cirrus to forecasting of weather, 48:285

____ Forecasting thunderstorms, 43:556–59

____ Forecasting of weather by means of forecasting total amount of barometric change, 47:735

____ Principles of forecasting weather, 35:211–12

____ Some examples of “Compression of cyclone”, 47:810

____'s paper on forecasting of thunderstorms, Durand-Greville's comments on, 43:559–62

____'s rules for weather predicting, 35:210–11

GUN, James– Distant cloud banks, 25:543

____ Long-range weather forecasting in Canada, 27:149–50

GUTHE, Prof. K.E.– Photoelectric properties of selenium cells, 34:223–24

GUTHRIE's, F., barometer, May 1877:10

GUTHRIE, Leon J.– Arkansas river and tributaries flood to Fort Smith, Ark., 36:396–97

____ Drought of Aug. 2– Sept. 7, 1913, at Fort Smith, Ark., 41:1446–47

____ Easterly movement of cirrus clouds, 47:716–17

_____ Southeasterly winds of southern San Joaquin Valley, Cal., 62:294–95
_____ Storm of March 16, 1919, at Fort Smith, Ark., 47:168
GUTHRIE, Ossian– Ancient climates near Chicago, 23:424
_____ Fluctuations of water level in Great Lakes, 23:420–21
GUTIERREZ–LANZA, Mariano– Climate of Cuba, 43:610

- HAAS, Nelson W.— Method for locating decimal point in slide-rule computation, 52:29–30
- HAASIS, Ferdinand W.— Dust spiral near Flagstaff, Ariz., 50:68–69
- HACHEY, H.B.— Temperature relations between water and air at St. Andrews, N.B., 61:264–66
- HACKETT, Arthur E.— Coconino Forest experiment station near Flagstaff, Ariz., 38:486–88
- ____ Notes on climate of Missouri, 27:582–83
- ____ Severe hailstorm in Missouri, [il], 26:409–10
- HAGEN, John G.— Meteor of Jan. 16, 1886, 14:23, 85–88
- HAGMANN, Dr.— Amazon river flood, 51:25
- HAIGH, Arthur S.— Hurricane on Sept. 11, 1903, in Bahamas, 31:425
- HAINES, E.H.— Influence of varying soil conditions on night-air temperatures, 50:363–66
- HAINES, William C.— Ascensional rate of pilot balloons, 52:249–53
- ____ Graphical method of compounding vectors, [il]. 52:491–92
- ____ Green flash observed Oct. 16, 1929, at Little America, by members of Byrd Antarctic Expedition, 59:117–8
- ____ Remarkable two-theodolite pilot-balloon series, 53:68–70
- ____ Waterspout at San Juan, P.R., 49:88
- ____ Waterspout observed at San Juan, P.R., Sept. 10, 1919, [il], 47:727
- ____ 's discussion of Moltchanoff's "Ascensional rate of pilot balloons", 54:9–10
- ____ and W.R. GREGG's discussion of Fassig's "Pilot-balloon observations at San Juan, F.R.", 52:23–26
- ____ and R.A. WELLS— Two-theodolite plotting board, [il], 47:222–23
- HAINSWORTH, R.G., O.E. BAKER, and C.F. BROOKS— Graphic summary of seasonal work on farm crops, 47:323–27
- HALE, Prof. George E.— Heat radiation of stars, 27:472
- ____ "Santa Ana" of California, 35:276
- ____ and F. ELLERMAN— Minute structure of solar atmosphere, 45:532
- HALE, Lieut. P.G.— Pensacola waterspout of June 14, 1929, [il], 57:338–39
- HALL, Maxwell— Cyclonic depression and flood in Jamaica, 32:273
- ____ Diurnal variation of rainfall at Kingston, Jamaica, 36:453
- ____ Jamaica hurricane of Oct. 18–19, 1815, 35:564–66
- ____ Jamaica weather service, 26:303–04
- ____ Method of predicting movement of tropical cyclones, 34:165–67
- ____ Notes on observing zodiacal light, 42:521
- ____ Origin of Cuba cyclones of June 13–14, 1904, 32:366–68
- ____ Parhelia 90 degrees from sun seen in Jamaica, 45:399–400
- ____ Photometric measures of zodiacal light, 42:311–17
- ____ Storms of Nov. 1912 in Jamaica, West Indies, 40:1756–57
- ____ Storms and hurricanes in Jamaica, 1655–1915, 43:620
- ____ Sun spot period and temperature and rainfall of Jamaica, 29:503–04
- ____ Thunderstorms and clouds in Jamaica, 24:15–16
- ____ West Indian hurricane of Aug. 11, 1903, 33:392–97
- ____ West Indies hurricanes as observed in Jamaica, [il], 45:578–88
- ____ Zodiacal light, [il], 34:126–31
- HALLENBECK, Cleve— Forecasting precipitation in percentages of probability, 48:645–47
- ____ Frost fighting in Pecos Valley, 51:25–28
- ____ Minimum temperature forecasting at Roswell, N. Mex., Suppl. 16:35–36

- _____ Night temperature studies in Roswell fruit district, 46:364–73
- _____ Precipitation over southeast Rocky Mountain slope, 44:341–42
- _____ Smoke formations in air drainage, 48:24–25
- _____ Squall lines in New Mexico, 58:402–05
- _____ Summer types of rainfall in upper Pecos Valley, 45:209–16
- _____ Topographic thunderstorm, 50:284–87
- _____ Tornado at Roswell, N. Mex., 51:315
- HALLETT's, Prof. E.A., description of lunar halo at New Providence, Ind., Dec. 11, 1888, 16:310–11
- HAMMER, Rev. D.– Airy's theory of rainbow, 32:503–08
- HAMMON, William H.– Destructive frosts and severe northers in California, 26:93
 - _____ Experiments with kites at San Francisco, 24:288–89
 - _____ Frosts in citrus regions of southern California, 26:2
 - _____ Norther in California April 12–13, 1898, 26:142
 - _____ Report on location and elevation of instruments at Mount Tamalpais, 25:494–95
 - _____ Report on operation of Mount Tamalpais station for Sept. 1897, 25:397–98
 - _____ Storm tracks of Pacific coast, 24:419
 - _____ Value of weather forecasts to natural gas companies, 35:228
 - _____, resignation of, 27:102
 - _____ 's examination of storm at West Berkeley, Cal., Dec. 11, 1894, 22:509–10
 - _____ and F.W. DUENCKEL– Comparison of minimum temperatures at U.S. Weather Bureau..., 30:12–13
- HAMMOND, Charles M.– Interesting lunar corona, 35:319
- HAMMONDS, O.H.– Thunderstorm at southeast Farallon, Cal., Sept. 26, 1909, 37:665
 - _____ and H.F. ALPS– Layer measurements of snow on ground near Summit, Cal., 48:519–20
- HAMRICK, Andrew M.– Cold air prevents severe freeze, 49:234–35
 - _____ Cumulus clouds of Hawaii, [il], 46:415–17
 - _____ Fruit-frost work in Grand Valley of Colorado, 49:549–52
 - _____ Low water in Mississippi river during June 1923, in Davenport, Ia., district, 51:331–32
 - _____ Mississippi river flood from below Dubuque to Muscatine, Ia., Suppl. 22:16–17
- HAND, Prof. E.E.– Frost formations, 25:308
- HAND, Irving F.– Aid in locating and studying clouds, 61:302–03
 - _____ Blue-sky measurements, 55:235–36
 - _____ Blue-sky measurements at Washington, D.C., 56:225–26
 - _____ Character and magnitude of dense dust cloud which passed over Washington, D.C., May 11, 1934, 62:156–57
 - _____ Dense smoke cloud on Jan. 2, 1929, at Washington, D.C., 57:18–19
 - _____ Destruction of aerial during thunderstorm, 52:270–71
 - _____ Effect of local smoke on visibility and solar radiation intensities, 53:147–48
 - _____ Mountain and valley atmospheric-dust measurements, 61:169
 - _____ Study of smoke cloud over Washington, D.C., Jan. 16, 1926, 54:19–20
 - _____ Utilization of fixed searchlights in measuring cloud heights, 57:471–72
 - _____ and H.H. KIMBALL– Daylight illumination on horizontal, vertical, and sloping surfaces, 50:615–28
 - _____ and H.H. KIMBALL– Investigations of dust content of atmosphere, [il], 52:133–39; 53:133–39; 53:243–46; 59:349–52

- _____ and H.H. KIMBALL– Magnitude of error in measurements of solar radiation..., 61:4
- _____ and H.H. KIMBALL– Reflectivity of different kinds of surfaces, 57:291–95; 58:280–82
- _____ and H.H. KIMBALL– Sky-brightness and daylight-illumination measurements, [il], 49:481–88
- _____ and H.H. KIMBALL– Use of glass color screens in study of atmospheric depletion of solar radiation, 62:80–83
- HANN, Prof. Julius von– Daily march of meteorological elements in Panama canal zone, 42:526–34
- _____ Energy of cyclones, 49:281
- _____ New determinations of precipitation over oceans, 49:243
- _____ Origin of cyclones, Sept. 1877:12
- _____ Remarks on nature of cyclones and anticyclones, 42:612–15
- _____ Twenty-four hour barometer oscillation in relation to surface features, 49:27
- _____, retirement of, 25:303
- _____’s handbook of climatology, 26:353–54
- _____’s handbook of climatology, English edition of, 31:86
- _____’s letters on relation between forests and rainfall, 30:226–27
- _____’s meteorology, 29:74
- _____’s meteorology, Bigelow on, 30:298–99
- _____’s meteorology, new edition of, 33:257
- _____’s remarks on increase of rainfall with altitude, 30:218–20
- HANNA, F.W.,– Payette–Boise project, Idaho, [il], 38:1435–37
- HANSARD, Capt. Arthur C.– “Gran cultura” in Puerto Rico, 27:548
- _____ Meteorological observations at Hacienda Perla, Porto Rico, 26:407–08
- HANSEN’s, J.O., paper on care of high voltage insulators, 38:284–85
- HANZLIK, Dr. Stanislav– Annual and geographical distribution of cyclones..., 32:358–63
- _____ New “meteorologia” by A.I. Woeikof, 32:554–55
- _____ Note on Mitchell’s paper on West Indian hurricanes, 54:342
- _____ Relation between simultaneous variations of pressure and solar activity, 48:105
- _____ Relations between velocities of progression of Iowa and areas of rising and falling pressure..., 34:205–09
- _____ Results of work at Aeronautical Observatory, Tegel,...., 32:555–56
- _____ Results of work at Aeronautical Observatory of Royal Prussian Meteorological Institute, 33:476
- _____ Some relations between direction and velocity of movements and pressure..., 32:562–65
- _____’s article on atmospheric pressure effect of sun spot period, 59:201
- HARDIN, Hal P.– Hurricane of Oct. 13–18, 1910, at Jupiter, Fla., 38:1490
- _____ Notes on drought and heat during Summer of 1913 at Wichita, Kan., 41:1438–40
- _____ Tornado at May 9, 1918, Pearl Rock to Calmar, Iowa, 46:230–32
- HARDING, G.E.– Meteorology and climatology in teachers college, 63:7–8
- HARDINGE, R.M.– Water supply and snowfall, New Mexico, 28:496–97
- HARE, Walter B.– Drought of 1913 in eastern Texas, 41:1450–1
- _____ Tornadoes of April 10, 1922, in southwestern Missouri, 50:185
- HARGRAVE, Lawrence– Cellular kite, 25:312
- HARKNESS, Prof. William– Hints to observers of shooting stars, 27:9–11

HARPER, Roland M.– New seasonal precipitation factor of interest to geographers..., 47:632–33

HARPER, Thomas B.– Waterspout off Hatteras, 31:225

HARRIES, H., retirement of, 48:219

HARRINGTON, Prof. Mark W.– Exploration of upper air, 25:313

____ Hann’s handbook of climatology, 26:353–54

____ Systematic explorations of upper air with estimates of cost, 42:619–21

____, short account of, 26:310

____’s memoir on “Forest Influences”, 30:326

HARRIS, J. Arthur– Correlation between sun spot number and tree growth, 54:13–14

HARRIS, Dr. Rollin A.– Deflecting force due to earth’s rotation, 36:327–28

____ Early knowledge of tides at Panama, 34:80–81

____ Note on oscillation period of Lake Erie, [il], 30:312

____ Partial explanation of some of the principal ocean tides, 28:103–08

____ Semidiurnal tides in northern part of Indian Ocean, 31:127–33

HARRISON, D.N., G.M.B. DOBSON, and J. LAWRENCE– Measurements of amount of ozone..., 55:364–65

HARRISON, Henry T.– Antarctic meteorology, 59:70–73

HARRISON, Louis P.– Dynamical pressure effect on Friez-type aerometeorograph, [il], 61:140–41

____ How a commercial pilot may contribute to program of air-mass analysis..., 62:157–59

HARRISON, Louis P.– Mathematical theory of graphical evaluation of meteorograph soundings,...[il], 63:123–35

____ Mean barometric pressures along various circles of latitude– resume of data, 61:293–95

____ Tables of “pressure of saturated aqueous vapor over water”..., 62:247–48

____ Water vapor in atmosphere over United States east of Rocky Mountains, 59:449–72

HARRISON, Malcolm C.– Unusual Texas dust storm, March 24–25, 1933, 61:113–14

HART, R.A.– Relation between light precipitation and alkali, 40:1099–1100

HARTLEY, Marcellus, Memorial Medal, 1916, presentation of, to Cleveland Abbe, 44:205–06

HARTMANN, R.– Ice crystallizations from aqueous solutions, 44:516

HARTS, Brig.– Gen. William W.– French meteorological activity, 1928, 57:66–67

HARTWELL, F. Eugene– “San Ciprian”- hurricane of Sept. 26–27, 1932, 60:178–79

____ “San Nicolas”- tropical storm of Sept. 10, 1931, in Porto Rico, 59:347–48

____ Santo Domingo hurricane of Sept. 1–5, 1930, [il], 58:362–64

____ Surface winds and lower clouds, 48:632–33

____ Tower cloud at San Juan, P.R., 44:460

HARTZELL, F.Z.– Comparison of methods for computing daily mean temperatures: 47:799–801

HARWOOD, E. Monroe– 18- degree halo, 61:327

HARWOOD, W.A.– Some discussions of wind observations: Deesa and Karachi, India, 47:856

HASKINS, Prof. Charles N.– Gage aperture and weight of catch, 43: 510

HASSELBRINK’s conclusions of zodiacal light, April 1880:15

HASTINGS, Prof. Charles S.– General theory of halos, [il], 48:322–30

____ Halo of May 20, 1915, analyzed, [il], 43:498–99

____ Halo of May 20, 1915, at New Haven, Conn., [il], 43:215–16

____ Unusual halo at New Haven, Conn., Feb. 25, 1922, 50:131–32

HAUPT, Col. William W.– Climate of Texas, 21:331–32

- HAURWITZ, Bernhard– Height of tropical cyclones and “eye” of storm, 63:45–49
 _____ Investigations of atmospheric periodicities at Geophysical Institute, Leipzig, Germany, 61:219–21
- HAWKER, Harry G., and M. GRIEVE’s non-stop flight to Ireland, May 18, 1919, 47:283
- HAWKINS, Alfred C.– Tornado cloud in free air, 59:482
- HAWKINS, Barry C.– Altitudes of clouds, 25:447
 _____ Area of heavy rainfall in southern Appalachians, 25:442–43
 _____ Northwest gales of southern Blue Ridge and Piedmont region, 27:13–14
 _____ Proposal for meteorological station of Satulah Mountain, North Carolina, 25:445
 _____ Region of heavy rainfall, 23:294
 _____ Seismic noises in North Carolina and Georgia, 25:393–94
- HAWKS, A. McL. Utilization of fog, 27:101–02
- HAYES, Montrose W. Drought and heat in vicinity of St. Louis, Mo., during Summer of 1913, 41:1442
 _____ Flood in Mississippi river and tributaries from below Louisiana, Mo., 1922, Suppl. 22:17–20
 _____ Flood in Mississippi river from below Louisiana, Mo., ...1927, Suppl. 29:37–40
 _____ Phenomenally heavy rain at Alton, Ill., 40:1030–31
 _____ St. Louis tornado of Sept. 29, 1927, [il], 55:405–07
 _____ Work of Weather Bureau for benefit of horticulture, 38:1210
- HAYFORD’s, Dr. John F., “Effects of wind and barometric pressure on Great Lakes”, Henry on, 50:539–40
- HAYS, S.H.– Irrigation in Idaho, 39:287–88
- HAZEN, Prof. Henry A.– Barometric troughs of plateau region, 23:207–09
 _____ Bright meteor of Nov. 3, 1897, 25:484
 _____ Chinook winds, 16:19–20
 _____ Cold spell of Nov. 16–30, 1896, in Montana and adjoining states, 24:414–15
 _____ Connection of thunderstorms with tides, 13:264
 _____ Droughts in Kansas and Texas and secular variation in rainfall, 15:119
 _____ Equinoctial storms, 17:313–14
 _____ Extraordinary rainfall in Texas, 27:249
 _____ Fluctuations of temperature and pressure at Mount Washington, 19:171, 199, 224, 250
 _____ Forest and rainfall, 25:395–97
 _____ Krakatoa smoke and sky glows, 15:64
 _____ Lows north of Idaho and Montana, 23:89–91
 _____ Moon and aurora, 26:108–13
 _____ Motion of Krakatoa smoke in Sept. 1883, 14:271–72
 _____ Rain gushes and thunderstorms, 26:258–59
 _____ Reduction of barometer readings to sea level, 22:538–39
 _____ Relative intensity of West Indian storms, 21:33
 _____ Study of storms in Texas, 23:54–55
 _____ Sun spots and meteorological phenomena, 15:29–31
 _____ Temperatures of November and December 1896, 24:458
 _____ Thunder and air pressure, 23:130
 _____ Violent local storms of Sept. 21, 1894, 22:369–70
 _____ Violent storms of March 23, 1893, 21:90

- _____ Wind-rush of Sept. 29, 1896, 24:322–23
- _____ 's meteorological library, 28:208
- _____ 's notes on thunderstorms of Sept. 1884, 12:232
- HAZEN, John S.– Abnormal snowfall at Springfield, Mo., 40:403
- _____ Abnormalities of November weather at Springfield, Mo., 39:1716
- _____ Cold waves in southwest, 27:291–93
- _____ Comparison of drought of 1913 and other years, in vicinity of Springfield, Mo., 41:1442–43
- _____ Dam and electric power at Powersite, Mo., 40:1844
- _____ Drought of 1899 in southwest Missouri, 28:151–52
- _____ Drought in Ozarks of southwestern Missouri in 1911, 39:896
- _____ Local storm at Springfield, Mo., 28:201–02
- _____ Lunar rainbow at Tampa, Fla., 34:518
- _____ Vertical temperature gradients, 27:112–13
- HEARN, George D.– Relation of sunlight to plant development, 50:423–24
- HEATH, A.E.– Ground rainbows, 44:508
- HECKATHORN, C.E.– Land and sea breezes in vicinity of Corpus Christi Bay, Tex., 47:413–15
- HECKER's, Prof. O., memoir on force of gravity at earth's surface, 37:133
- _____, observations of tides of solid earth, 36:166–69
- HEIM, Albert– Explanations of western purple light and eastern afterglow, 44:624–25
- HEISKELL, Henry L.– Computation of altitude of Mount Whitney, 31:527
- _____ Notable lightning, 28:290–91
- _____ 's letter on meteorological charts of oceans, 37:110
- HELLER, Edmund– Geographical barriers to distribution of big game animals in Africa, 48:42
- HELLMANN, Prof. Gustav– Accuracy of wind observations in large cities, 48:637
- _____ Classifications of hydrometeors, 44:385–92; 45:13–16
- _____ Climagram, 52:449
- _____ Cooling of air near ground at night, 48:38
- _____ Distribution of precipitation in North Germany, 49:454
- _____ Early history of thermometer and barometer, 25:16–17
- _____ Frequency of lightning strikes, 14:362
- _____ Mild winters, 48:102
- _____ Motion of air in lowest layers of atmosphere, 45:454–55; 47:574
- _____ Severe winters, 46:330
- _____, biographical note on, 52:355
- _____, retirement of, 50:489
- _____ 's rainfall chart, 30:236–37
- HELMERT, F.R.– Variation of terrestrial gravity over ocean, 30:370
- HENDERSON, Prof. Yandell– Physiology of aviator, 47:538–39
- HENDRICKS, Robert W.– Analysis of precipitation of rain and snow at Mt. Vernon, Ia., 55:363
- HENNEY, Prof. Homer J.– Estimation of future wheat production from rainfall, 63:185–87
- HENNING's Measurement of saturated vapor pressure, 37:5
- HENRICKSON, H.B., and W.G. BROMBACHER– Lag of thermometers and thermographs for aircraft, 55:72–73
- HENROTEAU, F.– Convection in upper regions of sun's atmosphere, 44:113
- HENRY, Prof. Alfred J.– Abnormal summers in United States, 55:349–53

- _____ Accidental pressure variations in United States, 45:290–91
- _____ Accidental variations in atmospheric pressure in United States, 36:53–56
- _____ Anticyclone of Sept. 12–18, 1923, 51:455–58
- _____ Are our winters changing?, 26:540–41
- _____ Artificial deepening of Arkansas, at Wichita, Kan., 42:390–92
- _____ Average annual precipitation in United States, 1871–1901, 30:207–13
- _____ Berlage on east monsoon forecasting for Java, 55:395–98
- _____ Bjerknes and Solberg on life cycle of cyclones and polar front theory..., 50:468–74
- _____ Bjerknes and Solberg on meteorological conditions for formation of rain, 50:402–04
- _____ Brooks on effect of fluctuations of Gulf Stream on distribution of pressure, 55:359–61
- _____ Brooks on variations in level of central African lakes, Victoria and Albert, 52:148–53
- _____ Brooks on variations of pressure from month to month in region of British Isles, 54:378–

79

- _____ Brooks and Glasspoole on drought of 1921, 50:357–59
- _____ Brooks and Quennel on influence of Arctic ice on subsequent distribution of pressure..., 57:99–102
- _____ Brückner cycle in United States, 54:507
- _____ Calendar year as time united in drought statistics, 59:150–54
- _____ Can thunderstorms be classified?, 55:118
- _____ Clements on drought periods and climatic cycles, 50:127–31
- _____ Climate of Alaska, 25:248
- _____ Climate of St. Lawrence Island, 27:457–58
- _____ Climatic data bearing upon culture of date palm, 26:160
- _____ Cloud photography, [il], 23:169–71
- _____ Cold Spring of 1907, 25:223–25
- _____ Comparative rain gage readings at Atlanta, Ga., 27:543–45
- _____ Comparative thermometer readings at New York, N.Y., 28:99–100
- _____ Cox on thermal belts and fruit growing in North Carolina, 51:199–207
- _____ Criteria of cold winter, 53:67–68
- _____ Cyclones, tornadoes, thunderstorms, squalls, 46:23–25
- _____ Date of cold Friday, 27:545
- _____ Density of snow, 45:102–13
- _____ Disappearance of snow in high Sierra Nevada of California, 44:150–53
- _____ Distribution of excessive precipitation in United States, 56:355–63
- _____ Distribution of maximum floods, 47:861–67
- _____ Distribution of rainfall over restricted areas, 49:401–04
- _____ Douglass on climatic cycles and tree-growth, 50:125–27
- _____ Dry months in United States, 50:484–85
- _____ Editors of “Monthly Weather Review”, 57:63–64
- _____ Excessive precipitation in United States, 25:13–15
- _____ Exner on circulation of cold and warm air between high and low latitudes, 57:491
- _____ First cold wave of 1923 in Dakotas and Lake region, 51:402–04
- _____ Flood in Canal Zone, Oct. 20–23, 1923, 51:530
- _____ Flood crests on Ohio and Mississippi, and their movement, 48:651–55
- _____ Flood months in United States, 47:741
- _____ Floods in East Gulf and South Atlantic states, July 1916, 44:466–76

- _____ Floods on lower Rio Grande, 47:742–43
- _____ Floods in New England rivers, 42:682–86
- _____ Floods of May–June 1915, in Missouri Valley, 43:286–87
- _____ Frankenfield on 1927 floods in Mississippi Valley, [il], 55:437–52
- _____ Frequency of tropical cyclones that closely approach or enter continental United States, 57:328–31
- _____ Gherzi on study on rainfall of China, 57:12–17
- _____ Great drought of 1930 in United States, 58:351–54
- _____ Great glaze storm of Feb. 21–23, 1922, in upper lake region, 50:77
- _____ Great inversions of temperature, 37:22
- _____ Hail in United States, 45:94–99
- _____ Hawaiian rainfall, 53:10–14
- _____ Hayford on effects of wind and of barometric pressure on Greta Lakes, 50:539–40
- _____ Heavy rainfall of Sept. 2, 1922, at Washington, D.C., 50:487
- _____ Heavy rains in southern Kansas, June 1923, 51:315–16
- _____ Heavy rains in Texas and Oklahoma, May 1929, 57:375–76
- _____ Hernandez on temperature of Mexico, 51:497–509
- _____ High maximum temperatures in late Spring of 1925, 53:246–48
- _____ High water in Great Lakes, 33:47–49
- _____ Hot spell of Aug. 1918m 46:261–63
- _____ Hot weather of Aug. 1900, 28:333–36
- _____ Ice in rivers, 1917–18, [il], 46:85–95
- _____ Increase of precipitation with altitude, 47:33–41
- _____ Lake levels and wind phenomena, 28:203–05
- _____ Lee on evaporation loss from water surfaces and moist soils, 52:99–101
- _____ Local atmospheric disturbances, 26:539–40
- _____ Loss of life in 1899 by lightning, 28:100-01
- _____ Marvin and Day on normals of daily temperature in United States, 53:117–18
- _____ Meteorological observations at Eagle, Alaska, 28:390–91
- _____ Meteorological work in Alaska, 26:154–57
- _____ Monthly mean temperatures at Arequipa, Peru, 50:8
- _____ Monthly pressure variations in Northern Hemisphere and seasonal weather forecasting, 53:528–34
- _____ Movement of cyclone of March 8, 1924, across Texas, 52:161–63
- _____ Normal precipitation in region of Great Lakes, 27:151–53
- _____ Normal temperatures by decades for 8 a.m. and 8 p.m., 75th meridian time, 29:600–05
- _____ Notes on application of upper-air observations to weather forecasting, 40:140, 308, 473, 645–46, 803, 964
- _____ Notes concerning West India hurricane of Sept. 29–30, 1896, 24:368–69
- _____ Passing of Signal Service, Weather Bureau electric telegraph and cable system, 57:246–47
- _____ Photographing lightning by daylight, 23:379
- _____ Pressure over northeastern Pacific and weather in United States, Dec. 1924 and Jan. 1925, 53:5–10
- _____ Progressive movement of thunderstorms, 24:331–32
- _____ Property loss by lightning in United States, 1899, 28:431–33

- _____ Quantity of rainfall corresponding to given depths, 26:408–09
- _____ Rainfall of Brazil, 50:412–17
- _____ Rainfall of Colombia, South America, 50:189–90
- _____ Rainfall of Masaya and Granada, Nicaragua, 26:162, 205–06
- _____ Rainfall in Nicaragua, 26:305
- _____ Rainfall of Venezuela, 50:308–10
- _____ Relative humidity inside and outside of buildings, 24:456
- _____ Remarks on Jefferson’s reduction of rain gage records, 29:500–01
- _____ Removal of Weather Bureau office in New York City, 26:455
- _____ Review of Geophysical Memoirs No. 19, 50:631–34
- _____ Review of literature on sunspot-pressure relations, 49:281–84
- _____ River gagings on Tanana river at Nenana, Alaska, 47:675
- _____ Salton Sea and rainfall of Southwest, 34:557–59
- _____ Seasonal forecasting of precipitation- Pacific coast, 49:213–19
- _____ Simpson on thunder and lightning, 58:497–98
- _____ So-called monsoonal winds of Texas, 52:304–05
- _____ Source of water vapor of atmosphere, 56:176–77
- _____ Spurious tornado photographs, [il. Pl. II] 27:203–04
- _____ Sudden oscillations in lake level-pressure waves, 27:305–07
- _____ Summer meeting of American Forestry Association, 30:401
- _____ Sunspots and terrestrial temperature in United States, 51:243–49
- _____ Supplemental note on free-air temperature at Drexel and Ellendale during warm Summer of 1921, 49:460
- _____ Temperature at Porto Velho, Amazonas, Brazil, 50:368
- _____ Temperature variations in United States and elsewhere, 49:62–70
- _____ Thunderstorm of Sept. 17–18, 1895, 26:538–39
- _____ Thunderstorms on Aug. 2, 1899, 27:359–60
- _____ Thunderstorms of July 13, 1922, in District of Columbia, Maryland, and Virginia, 50:360–62
- _____ Tornadoes of April and May 1896, 24:82–83
- _____ Tornadoes of March 18, 1925, 53:141–45
- _____ Unseasonable weather of May 1924, 52:269–70
- _____ Variation of precipitation in Andirondack region, 35:118
- _____ Warm fall weather in Alaska and Russia 1923, 51:529–30
- _____ Warm February of 1925 in United States, 53:191–98
- _____ Warm winter (1920–21) followed by warm summer, 49:387–90
- _____ Wave or billow clouds, 27:57–58
- _____ Weather of 1922 in United States, 50:647–48
- _____ Weather of 1923, 51:652–53
- _____ Weather of 1924, 52:588
- _____ Weather of 1925 in United States, 53:539–40
- _____ Weather of 1927 in United States, 55:530–31
- _____ Weather of 1928 in United States, 56:509–10
- _____ Weather of 1929 in United States, 57:511–12
- _____ Weather abnormalities in United States, 57:90–94, 198–204, 319–23, 375–76, 247–50, 293–94

- _____ Weather forecasting from ships at sea, 51:188–90
- _____ Weather forecasting from synoptic charts, 58:159
- _____ Whence come cold waves?, 56:142–44
- _____ Winds of lake region, 35:516–20
- _____ Winds of middle and northern California coast, 54:3–5
- _____ Winter anticyclone of Great Basin, 56:125–28
- _____, illness of, 31:383
- _____’s abstract of Giblett’s paper on line-squalls, 56:7–11
- _____’s abstract of Horton and Grunsky’s paper on hydrology of Great Lakes, 56:11–14
- _____’s bulletin on rainfall in United States, 30:241
- _____’s discussion of Beals’ “Semi-permanent Arizona low”, 50:345–47
- _____’s discussion of Beck’s “Earth’s atmosphere as circular vortex”, 50:401
- _____’s discussion of Bjerknes’ “Importance of wireless weather reports for Greenland”, 50:17–19
- _____’s discussion of Blochman’s “Study of seasonal forecasting for California”, 53:493–94
- _____’s discussion of Lay’s “Chicago’s greatest snowstorm, March 25–26, 1930”, 58:147–48
- _____’s discussion of Manning’s “Droughts with cirrus clouds moving from north”, 49:332–33
- _____’s discussion of Seeley’s “Heavy snowstorm in southern Michigan, Nov. 8–9, 1921”, 49:610–11
- _____’s review of Gherzi’s paper on winds and upper currents along China coast and in Yangtse Valley, 59:278
- _____ and C.G. BATES– Streamflow experiments at Wagon Wheel Gap, Colo., [il], Suppl. 17; 49:637–50; Suppl. 30; 56:79–97
- HEPWORTH, W.C.– Comparison of changes in temperature of waters of North Atlantic..., 36:371
- HERBERTSON, Dr. A.J.– Thermal regions of globe, 42:286–89
- _____’s memoir on distribution of rainfall over land, 29:67–68
- _____’s remarks on rainfall, 30:243
- HERGESELL, Dr. H.– Ascension of closed rubber balloons, 31:571–73
- _____ Kite ascension on Lake Constance, 33:258
- _____ Kite work in Atlantic trade wind region, 33:360–61
- _____ New observations on meteorological conditions of upper warm stratum of air, 33:260
- _____ Present and future state of maritime meteorology, 36:58–61
- _____ and E. KLEINSCHMIDT– Compensation of aneroid barometers for influence of temperature, 33:259–60
- HERNANDEZ, Jesus– Temperature of Mexico, Suppl. 23
- _____’s article on temperature of Mexico, Henry’s review of, 51:497–509
- HERNDON, Hugh and C. PANGBORN’s flight across Pacific, cooking, 28:160–61
- HERRMANN, Charles F. von– Climate and crops in North Carolina, 26:544–45
- _____ Cuthbert, Ga., tornado, 37:110–11
- _____ Floods of March 1912 in South Atlantic and East Gulf states, 40:336–38
- _____ Frosts of April 6–9, 1898, 26:139
- _____ Position of meteorology among sciences, 43:609
- _____ Precepts for forecasting river stages on Chattahoochee and Flint rivers of Georgia, 47:475–79
- _____ Problems in meteorology, 34:574–79; 35:18–19

- _____ Protection against frost in Georgia, 42:585–86
- _____ Rain-bearing winds at Atlanta, Ga., 53:494–97
- _____ Velocity of centers of high and low pressure in United States, 35:169–71
- _____ Water power resources of Georgia, [il], 38:1639–42, 1789–90
- HERRMANN, Martin– Sirocco invasions of central Europe, 58:334
- HERSEY, H.B.– Destructive storms in Kentucky, Feb. 7, 1904, 32:113–14
- _____ Topography and drainage– west shore of Lake Michigan, 38:208–09
- HERZOG, C.L.– Chinook in Montana, 23:426–27
- HESS, V.F., and M. KOFLER– Year’s penetrating radiation on Obir, 46:212
- HESSLING, N.A.– Relation between rainfall, temperature, and yield of corn in Argentina, 49:543–48
- _____ Relation between weather and yield of wheat in Argentine Republic, 50:302–08
- _____ Variable features of barometric depressions and anticyclones as basis for seasonal forecasting, 55:184–86
- HIBBARD, F.N.– New type of rain timer, [il], 53:398–99
- _____ Short method of determining time of moonrise and moonset, 53:447–48; 54:15–16
- HICKMON, W.C.– Tornadoes of April 15, 1921, in Arkansas and Texas, [il], 49:194–97
- _____ Tornadoes of Nov. 17, 1921, in Arkansas, 49:611–12
- _____ Tornadoes in Arkansas in March 1927, 55:133
- _____ Weather and crops in Arkansas, 1819 to 1879, 48:447–51
- HIGGINS, C.H., and N.E. STEVENS– Temperature in relation to quality of sweet corn, 48:416
- HIGHTMAN, Harry M.– Ceiling and visibility in Rocky Mountain section of United States, 58:202
- HILDEBRANDSSON, H. Hildebrand-- Results of some empiric researches as to general movements of atmosphere, 47:374--89
- _____ So-called change in European climate during historic times, 44:344--52
- _____, presentation of Symons memorial medal to, 47:806
- HILGARD, Prof. E.W.-- Frosts in California, 24:166--67
- HILL, Dr. Leonard-- Atmospheric conditions which affect health, 47:810
- _____ Atmospheric environment and health, 48:687--90
- _____ Note on kata-thermometer, 50:20
- _____ Science of ventilation and open-air treatment, 48:498--99
- HILLS, F.O. -- Pilot balloons and upper winds, 34:414
- HILLS, George B.-- Sept. 28, 1929 tornado on Fort Lauderdale, Fla., 57:420--21
- HINES, Leonard-- Analyses of precipitations at Mt. Vernon, Iowa, 1932--33, 62:90--91
- HIRAYAMA, Shin-- Absorption and radiation of solar atmosphere, 46:164--309
- HIRSHBERG, Dr. Leonard J-- Hail squall of May 1, 1917
- HISSONG, J.E.-- Whirlwinds at oil-tank fire, San Luis Obispo, Cal., [il], 54:1610063
- _____ Histogram method, use of, to show climate of Binghamton, N.Y., Weeks on, 49:53--62
- HOBBS, Herman E.-- Volcanic and atmospheric phenomena, 30:487--88
- _____ and H.H. KIMBALL-- New form of thermoelectric record pyrheliometer, [il], 51:239--42
- HOBBS, William H.-- Ferrel doctrine of polar calms and disproof in recent observations, 43:609
- _____ January storms over North Atlantic and strophs of Greenland anticyclone, 54:286--88
- _____, "Glacial anticyclones", Brooks' review of, 54:497--98
- HODGE, Edwin T.-- Climate of Oregon during pleistocene period, 53:354--55
- _____ Late tertiary climatic changes in Oregon, 58:405--11

HODSON, E.R.-- Importance of mountain climate in West Weather Bureau and Forest Service..., 37:949--50

HOELZEL, A.-- Potential gradient and thunderstorm forecasting, 49:240--41

HOFFMAN, Ferderick L.-- Climate and health in South American tropics, 50:9

HOFFMAN, G., and F., LINDHOLM-- Recorded observations of Hess ultragamma radiation ..., 56:323

HOFFMEYER's, Capt. N., paper on ocean currents of Greenland and Iceland, Feb.1881:19--20

HOFFMANN, J.V.-- Meteorological factors and forest fires, 51:569

HOGGE, Wendell P.-- Great rainstorm at Mount Wilson, Cal., Dec. 17--21, 1921, 49:660--61

____ Lightning at Mount Wilson observatory, 42:168

____ Terrific windstorm on Mt. Wilson, Cal., Nov. 24--26, 1918, [il], 47:28

____ Twilight colors at Mt. Wilson, Cal., Aug. to Sept. 1916, 44:626--27

HOLBORN's measurements of saturated vapor pressure, 37:5

HOLCOMB, H.K. -- Floods in Neosho river, Sept. 1915, 43:474--75

____ Notes on heat and drought of Summer of 1913 at Iola, Kan., 41:1438

____ Solar halos as seen at Iola, [il], 42:272--73

HOLDEN, Prof. E.S.-- St. Louis tornado, 24:255--56

HOLL, Clayton-- Damage by frost at Middlebranch, Ohio, 36:173--174

HOLMES, J.S.-- Damage to forests by hail in North Carolina, 49:333

HOLT, F.P.-- Incipient tornado in Idaho, 53:314

HOLT, J.O.-- Meterological observations near Circle City, Alaska, 26:542

HOLT, William I.-- Ice in Kennebec river, 25:98

HOMER, Dr. Philena F.-- Variability of frost injury on fruit buds, 39:599--601

HONDA, K.-- Ordinary and internal seiches in Lake Tasawa, 42:511

HOOKER, R.A.-- Forecasting crops from weather, 49:511--12

HOOPER, John K.-- Halo at Detroit, Mich., May 1900, [il], 28:202--04

____ Weather Bureau men as university students, 36:180

HOPKINS, Dr. Andrew D.-- Bioclimatic law, 48:355

____ Bioclimatic zones determined by meteorological data, 49:299--300

____ Modifying factors in effective temperature; 48:214--15

____ Periodical events and natural law as guides to agricultural research and practice, Suppl. 9

HOPKINS, J. Howard-- Every man his own weather prophet, 27:293

HOPKINS, Oliver B.-- Notes relating to earthquake of Oct 18,1916, in north-central Alabama, 44:690--93

HORIGUTI, Y.-- Amount of evaporation, 42:101--04

HORTON, A.H.-- Work of water resources branch of U.S. Geological Survey in Ohio River valley, 38:360--61, 535--36

HORTON, Edgar C.-- Destructive storms in Alabama, 37:208--09

____ Hailstorm near Birmingham, Ala., May 11, 1921

____ Tornado in Alabama, 37:154

HORTON, Robert K.-- accuracy of areal rainfall estimates, 51:348--53

____ Additional meteorological data needed by engineers, 47:305--07

____ Adirondack rainfall summit, 35:8--11

____ Air chimneys of ice below waterfall, [il], 46:23

____ Beginning of thunderstorm, 49:193--94

____ Comparison of snow-board and raingage-can measurements of snowfall, [il], 48:88--89

_____ Correlation of maximum rain intensities for long and short time-intervals, 49:200--02
_____ Device for obtaining maximum and minimum water surface temperatures, [il], 47:856--57
_____ Elevation and altitude, 50:142
_____ Evaporation from snow and errors of rain gage when used to catch snowfall, 42:99--100
_____ Evaporative capacity, 47:856
_____ Group distribution and periodicity of annual rainfall amounts, 51:515--21
_____ Measurement of rainfall and snow, 47:294--96
_____ Melting of snow, 43:599--605
_____ New evaporation formula, 45:453
_____ Rainfall duration and intensity in India, 51:354--55
_____ Rainfall interception, [il], 47:294--96
_____ Rainfall interpolation, 51:291--304
_____ Results of evaporation observations, 49:553--66
_____ Snowfalls, freshets, and winter flow of streams in State of New York, 33:196--202
_____ Some broader aspects of rain intensities in relation to storm-sewer design, 47:721
_____ Thunderstorm-breeding spots, 49:193
_____ Transpiration by forest trees, 51:571--81
_____ Unusual lightning, 49:242
_____ Vapor pressure and humidity diagram, 49:285--87
_____ Weather and literature, 48:512--13
_____ and J.S. COLE-- Compilation and summary of evaporation records of Bureau of Plant Industry..., 62:77--89
_____ and C.E. GRUNSKY's paper on hydrology of Great Lakes, Henry's abstract of, 56:11--14
_____ and H.R. LEACH-- Snow-surface temperature, 62:128--30
_____ and H.R. LEACH's discussion of Gorbachev's "Relation between duration, intensity, and periodicity of rainfall", 51:308--09
_____ and G.T. TODD-- Cloudburst rainfall at Taborton, N.Y., Aug. 10, 1920, 49:202--04
HOUK, Ivan E.-- Sources of two unusual rainfall records, 49:453
HOVDE, Martin R.-- Great duststorm of Nov. 12, 1933, 62:12--13
_____ Severe thunderstorm at Minneapolis, Minn., July 12, 1912, 40:1031
HOVENDEN, Thomas-- Kites within thunder cloud, 26:251
HOWARD, W.L.-- Protection of fruits from frost, 38:738--39
HOWE, George F.-- Summer and winter weather of selected cities in North America, 53:427--30
HOXMARK's, Guillermo, paper on influence of climatic conditions on wool yield in Argentina, 56:60--61
HUBBARD, George D.-- Meteorological notes on Canton, China, 50:190--91
HUBBARD, W.F.-- Relation of frosts to rainfall, [il], 34:24--26
HUBERT, Prof. Ernest E.-- Forest-tree diseases caused by meteorological conditions, 58:455--59
HUBERT, H.-- Forecasting line squalls in West Africa, 47:875
_____ Superposition of aerial currents in peninsula of Cape Verde, Senegal, 47:650
HUDGINGS, Bert-- Weather conditions as factors in filtration of water supply at Detroit, Mich., 58:354--62
HUMPHREYS, Prof. William J.-- At what temperature does frost occur?. 58:61
_____ Attendance on scientific meetings, 37:56--57
_____ Aurora polaris, 47:402--03

_____ Bundle of meteorological paradoxes, 47:876
_____ Certain relative insolation values, 48:708
_____ Certain unusual halos, 50:535--36
_____ Change of humidity incident to thunderstorm, 60:246
_____ Colder the air the thinner the ice, 60:60--61
_____ Conservation of angular momentum, or areas, as applied to airplane en route to pole,
61:83
_____ Contrast in thunderstorms, 60:148
_____ Cool breeze of shadow of cumulus, 49:277
_____ Common humidity error, 59:240
_____ Differences between Summer daytime and nighttime precipitation in United States,
49:350--51
_____ Difficulties in theory of rain formation, 47:881
_____ Earthquakes felt in United States during 1915, 43:634--35
_____ Earthquakes felt in United States during 1916, 44:697--98
_____ Earthquakes felt in United States during 1918, 46:594--95
_____ Effect of clouds on surface temperature, 57:247--48
_____ Electrical charge of atmosphere and height of barometer, 49:570--71
_____ Error in maximum-thermometer reading, 59:310
_____ Factor in temperature of stratosphere, 57:507--08
_____ Falling rain and atmospheric pressure, 49:500
_____ Frost protection, 42:562--69
_____ Gain and loss of time when flying with and against wind, 52:223
_____ Greater increase in size and intensity of extratropical cyclone by night than by day,
55:496
_____ Growth of northeastward-moving cyclone in eastern North America, 55:495
_____ Huntington on climatic factor, 43:136--37
_____ Intensity of precipitation, 47:722
_____ Level of constant air density, 49:280--81
_____ Mammato-cumulus clouds, [il], 40:967--68
_____ Meteorology and importance to aviation, 58:196--97
_____ Minimum temperature at base of stratosphere, 47:162
_____ Mount Washington halo of Oct. 4, 1933, 61:328--29
_____ Nacreous and noctilucent clouds, [il], 61:228--29
_____ Note on crushing of copper tube by lighting, [il], 43:296--98
_____ Occasions, or incidental causes, of extratropical cyclones, 61:112
_____ Ocean temperatures across equator, 53:146--47
_____ Physics of aurora, 48:392--93
_____ Planets and weather, 42:346--47
_____ Precipitation, evaporation, run-off, 56:178
_____ Remarks on theory of psychrometer, 61:300-03
_____ Roaring of mountain and associated phenomena, 47:878
_____ Sampling higher atmosphere, 53:352--53
_____ Seismology, 42:687--89
_____ Shower and drizzle, 59:431--32
_____ Simple geometric derivation of laws of refraction of light inclined to principal plane...,

50:533--34

- _____ 'Sinking' of lake and river ice, 62:133--34
- _____ Snow-garlands, [il], 53:162
- _____ Snow-garlands on tree limbs, [il], 63:315
- _____ Some recent contributions to physics of air, 46:563--66
- _____ Some relations between evaporation, precipitation, and run-off, 56:177--78
- _____ Some temperature and humidity relations of air, 51:127--28
- _____ Southern Appalachian earthquake of Feb. 21, 1916, 44:154--55
- _____ Summer and winter vertical temperature gradients, 37:10--11
- _____ Supersaturation again, 61:303--04
- _____ Supersaturation and icing of airplanes, 58:245--46
- _____ Temperature of deep water, 52:586--87
- _____ Temperature lag of oceans, 52:490--91
- _____ Temperatures, pressures, and densities of atmosphere at various levels..., 47:159--61
- _____ Thunderstorm and its phenomena, [il], 42:348--80
- _____ Tornado, 54:501--03
- _____ Tornado and cause, 48:212--13
- _____ Unusual snowstorm in southeastern West Virginia, 62:295
- _____ Uprush of air necessary to sustain hailstone, 56:314
- _____ Weather and radio, 59:309--10
- _____ White lightning versus red as fire hazard, 59:481
- _____ Why readings of mercurial barometer are corrected for both temperature and latitude..., 59:239

- _____ Why some winters are warm and others cold in eastern United States, 42:672--75
- _____ Why there are no clouds in stratosphere, 47:162--65
- _____ William Bullock Clark, 1860--1917, 45:367--68
- _____ Wind velocity and elevations, 43:609; 44:14--17
- _____ 's article on factors of climatic control, 48:535--37
- _____ 's discussion of Beals' "Semipermanent Arizona low". 50:345
- _____ 's "Physics of the Air", new edition of, 57:24
- _____ 's "Physics of the Air", review of, 46:562

HUNT, H.A.-- Abnormal April temperatures in New South Wales, 34:225--26

- _____ Australian rainfall, 43:343--45
- _____, retirement of, as Australian meteorologist, 59:354

HUNTER, Herbert C.-- Lorain, Ohio, tornado, June 28, 1924, [il], 52:309--10

- _____ Preliminary statement of tornadoes in United States during 1929, 57:510
- _____ Preliminary statement of tornadoes in United States during 1930, 58:497
- _____ Preliminary statement of tornadoes in United States during 1931, 59:483
- _____ Rainfall of 1930 in Alaska, 59:83
- _____ Tornadoes from Arkansas to Virginia, April 29--30, 1924, 52:206--07
- _____ Tornadoes of latter part of March 1932, 60:89--90
- _____ Tornadoes of United States, 1916--23, 53:198--204

HUNTER's, Dr. W.W., theory on relation of sun spots to rainfall, July 1877:11

HUNTINGTON, Prof. Ellsworth-- Climate of Harpoot, Turkey in Asia, 29:250--53

- _____ Climate of historic past, 36:359--64, 446--50
- _____ Climate of Palestine, 48:39

- _____ Control of pneumonia and influenza by weather, 48:501--07
- _____ Electric phenomena in Euphrates, 28:286--87
- _____ Optimum temperature for human energy, 48:278--79
- _____ Solar activity, cyclonic storms, and climatic changes, 43:609
- _____ Solar disturbances and terrestrial weather, 46:123--41, 168--77, 269--77
- _____ 's book on climatic factor, 43:1356-37
- HUNTON, John-- Electricity in windstorm in Wyoming, 22:509
- HURD, Willis E.-- Atlantic-Gulf of Mexico hurricane of Oct. 30 to Nov. 8, 1935, 63:316--18
- _____ Aurora of July 7--8, 1928, on North Atlantic ocean, 56:295
- _____ Birds storm-swept over North Atlantic ocean, 50:589--90
- _____ Coast fogs and radio-beacons, 57:96--97
- _____ Cyclone of Arabian sea, 50:657
- _____ Dust over North Atlantic, 50:301
- _____ Fiji hurricane of Dec. 1929, 57:526
- _____ Fiji Islands storm of Feb. 17--March 2, 1931, 59:132
- _____ Fog in Gulf of Tehautepec, Nov. 1929, 57:485
- _____ Further note on Philippine typhoon of April 25--26, 1929, 57:398
- _____ Grasshoppers at sea, 45:11
- _____ Influence of wind on movements of insects, 48:94--98
- _____ Intense hurricane in South Pacific ocean, April 6--12, 1933, 61:149
- _____ Mexican west coast hurricane of Sept. 10--18, 1929, 57:397--98
- _____ Northers of Gulf of Tehautepec, 57:192--94
- _____ Three tropical cyclones of south Pacific ocean, 1927--28, 57:526--27
- _____ Tropical cyclone in south Pacific ocean, Jan. 3--4, 1933, 61:26
- _____ Tropical cyclones of Jan. 1926, 54:23
- _____ Tropical cyclones of eastern North Pacific ocean, 57:43--49
- _____ Tropical storms in North Atlantic ocean during 1935, 63:351
- _____ Virginia-District of Columbia-Maryland tornado of Nov. 17, 1927, 55:499
- _____ Waterspout on Hillsborough Bay, Tampa, Fla., April 2, 1929, 57:249--50
- _____ Waterspout in Potomac River, Washington, D.C, Nov. 17, 1927, 55:499
- _____ Waterspouts, 56:207--11
- _____ Weather control of periodical cicada, 47:110--11
- HUTCHINS, C.C., and J.C. PEARSON-- Air radiation, 32:314--17
- HUTCHISON, W.J.-- Growth of vessel weather service of northeast Pacific ocean, 57:334--36
- HUTT, W.N.-- Thermal belts from horticultural viewpoint, Suppl. 19:99--106
- HYDE, Gustavus A., work of, [port. pl. IV], 29:220
- HYLE, Charles A.-- Lightning on kite wire, 26:170

IDRAC, P.-- Some remarkable features of Gulf Stream, 47:206

IFFT, George N.-- Changing Arctic, 50:589

_____, Polar ice-drift and sun spots, 50:631

INNES, R.T.A.-- Transvaal observatory, 32:124

IRWIN, Dr. Samuel D.-- Do local storms follow river valleys?, 27:363

ISIDA, M.-- Long-range forecast of winter minimum temperature for Hamada, Japan, 44:81

JACKSON, W.E.W.-- Magnetic storm of Aug. 26-27, 1916, 45:400

JACKSON, Prof. William H.- Elementary method of deriving deflecting force ..., 36:369--70
 _____ Law of earth's nocturnal cooling, 36:103--05

JACOB, Robert A.-- Kata-thermometer: instrument to measure bodily comfort, [il], 48:497--98

JADWIN's, Major-General Edgar, reports on flood-protection system for Mississippi river, 55:532--33

JAENICKE, Alexander J., and M.H. FOERSTER-- Influence of western yellow pine forest..., [il], 43:115--26

JAGGAR, T.A.-- Borings at Kilauea volcano, 52:146--47
 _____, R.H. FINCH, and O.H. EMERSON-- Lava tide, seasonal tilt, and volcanic cycle, 52:142--45

JAKL, Vincent E.-- Account and analysis of Meisinger free-balloon flights, 53:99--107
 _____ Analysis of some free-air observations in relation to precipitation, 53:337--43
 _____ Ceiling and visibility in central United States, 58:201--02
 _____ Ellendale aerological station, [il], Suppl. 12, pt. 3
 _____ Kite flight in center of deep area of low pressure, 48:198--200
 _____ Meteorological aspects of thirteenth National Balloon Race, 50:245--50
 _____ Notes on kite flying, Suppl. 13, pt. 2
 _____ Preliminary study of precipitation in relation to winds and temperature, 52:18-22
 _____ Some observations on temperatures and winds at moderate elevations above ground, [il], 47:367--73
 _____ Water power projects on Escanaba river, 40:1497
 _____ Weather during April 21-26, 1924, and free-balloon flights of April 23-25, 52:214-16

JAMES, Prof. Henry F.-- Climate of southeastern Pennsylvania, 56:35--40
 _____ Koppen's classification of climates, 50:69--72

JAQUA, J.H.-- Floods in Meridian, Miss., river district, Dec. 1919, 47:896--98
 _____ Floods in Pascagoula and Pearl rivers during Jan. and Feb. 1913, 41:185--96
 _____ Meteor of May 7, 1916, in eastern Mississippi, 44:325
 _____ Tornadoes in eastern Mississippi, April 20, 1920, 48:203--05

JAQUEROD, A., and C. BOREL-- Variations in density of air, 49:281

JARBOE, J.H.-- Floods of June 1922, in lower Rio Grande, 50:328--29
 _____ Rocksprings, Texas, tornado, April 12, 1927, 55:182--83
 _____ San Antonio flood of Sept. 10, 1921, 49:494--96
 _____'s note on streamflow at Wagon Wheel Gap, Colo., Suppl. 17:35

JAUMOTTE, J.-- Belgian daily weather bulletin, 50:92
 _____ Extraordinary case of supersaturation in free air, 53:79

JEFFERSON, Prof. Mark S.W.-- Rainfall of Leeward and Windward Islands, 29:56--57
 _____ Reduction of records of rain gages, 29:499--500
 _____ Wind effects, 32:128--29
 _____ Winter aridity indoors, 37:62--63

JEFFERSON, Thomas, as meteorologist, [il], 23:456--58
 _____'s notes on climate of Virginia, 54:108--09

JEFFREYS, Dr. Harold-- Artificial production of rain, 49:614--15
 _____ Causes contributory to annual variation of latitude, 44:337
 _____ Internal structure of earth and moon, 43:564
 _____ Relation between wind and distribution of pressure, 47:574

_____ Travelling atmospheric disturbances, 47:644
 _____ ' "Theories on origin of tropical cyclones", Henry's review of, 50:631--34
 JEFFRIES, C.W.-- Attempts to induce rainfall, 57:384
 JEMISON, George M.-- Meteorological conditions affecting Freeman Lake fire, 60:1--2
 JENKINS, W.C. Foggy days in Manchester, England, 43:510
 JENNINGS, T.B.-- Climate of Kansas, 36:88--92
 _____ Electrical storms in Kansas, 26:216
 _____ Notes on climate of Kansas, 34:579--80
 _____ Snow rollers, 26:20
 _____ Tornadoes in Kansas, June 24, 1909, 37:225
 JENSEN, Christian-- Progress in meteorological optics during 1912, 42:144--50
 JENSEN, Prof. J.C.-- Further studies on electrical charges of thunderstorms, 58:115--16
 _____ Some applications of radio-telegraphy to meteorology, 47:878
 _____ Storm of Sept. 6, 1911, 39:1351
 JESUNOFSKY, Lewis N.-- Aurora in South Carolina and Kentucky, Aug. 26, 1895, 23:297--98
 _____ Break in lower Colorado, 29:260
 _____ Complete proving of Roosevelt dam, 38:778--79
 _____ Completion of Roosevelt dam, Salt River Valley, Ariz., 39:103
 _____ Forest fires of 1910 and their causes, 38:1576
 _____ Irrigation in Salt River Valley, Ariz., 38:1725
 _____ New irrigation project on Colorado, 29:1407
 _____ New site for Colorado river dam, 28:1877
 _____ Roosevelt dam and Salt River project in Arizona, [il], 39:426--29
 _____ Some peculiarities in frost formation over coast region of South Carolina, 20:479--81
 _____ West Indian hurricane of Sept. 29--Oct. 2, 1898, 26:440
 JEWELL, C.T.-- Work of Naval Observatory in connection with Naval erography, 27:226--27
 JEWELL, Rev. Edward J.-- Severe ice storm in Michigan, 44:77
 JOHNSON, F.S.S.-- New system of storm signals for Norway, 36:372
 JOHNSON, Harley N.-- Alfalfa growing in western South Dakota, [il], 47:328--29
 _____ Flood waters in Belle Fource river, western South Dakota, 52:236
 _____ Heavy rains and floods in Black Hills, S.Dak., 48:236
 _____ Severe hailstorm at Rapid City, S.Dak., and vicinity, July 18, 1924, [il], 52:349
 JOHNSON, John F.-- Rhododendron leaves as thermometers, 33:152
 JOHNSON, Nelson K.-- Report on two pilot-balloon ascents made at Shoeburyness, 48:696
 _____ Visibility of pilot-balloons, 48:696
 JOHNSON, Willard-- Umbrella cloud, 26:207--08
 JOHNSTON, Dr. Earl S.-- Climate conditions in greenhouse as measured by plant growth, 48:215
 _____ Evaporation compared with vapor pressure deficit and wind velocity, 47:30--33
 _____ Freezing of peach buds, 49:231
 _____ Lightning injury in potato field, [il], 48:452
 _____ Moisture relations of peach buds during Winter and Spring, 51:591
 _____ Seasonal march of climatic conditions of greenhouse as related to plant growth, 50:197--98
 JONES, Prof. B. Melville-- Flying over clouds in relation to commercial aeronautics, 48:528--29
 JONES, E.B.-- Driest year at Portland, Mo., 36:412

JONES, E.L.-- Ascensions made by members of Aero Club of America from formation to date, 34:280--82

JONES, Edward P.-- Floods of April 28-30, 1923, in Maine, 51:224
____ North Atlantic coast storm of Nov. 26-27, 1898, 26:494
____ Veering or backing winds as indicating weather, 51:264

JONES, Edwin H.-- Meteorological peculiarities of Yakima Valley, Wash., 58:413--14

JONES, Foster V.-- Effects of local smoke on climate of Nashville, Tenn., 63:55--57

JONES, Harris A.-- Effect of dust on melting of snow, 41:599
____ Heavy snowfall of April 27 and 28, 1928, in upper Ohio Valley, 56:227--28

JONES, James-- Note on weather at Point Reyes light, Cal., during Feb. 1912, 40:281
____ Note on wind movement at Point Reyes light during June 1911, 39:933
____ Reflection of fog signals at Point Reyes light, Cal., 39:1256

JONES, James M.-- Prediction of seasonal precipitation in California, 59:82

JONES, L.R., and W.W. GILBERT-- Lightning injury to cotton and potato plants, 43:135

JONES, Prof. M.E.-- Helpful suggestions for Weather Bureau to aid agriculturist, 37:802--03

JONES, Walter A.-- Lunar rainbow of June 24, 1918, at Salina, Kan., 46:267

JORDAN, David S.-- Art of pluviculture, 53:261

JORDAN, F.W.-- Experiment on sunset colors, 43:498

JORDAN's, T.B., sunshine recorder, [il], 25:486

JOUBERT's thermometer, Nov. 1878:12

JOY, George C.-- Forest fire weather in western Washington, 51:564--66

JUDAY, Chancey-- Horizontal rainbows on Lake Mendota, 44:65--67

JUDKINS, L.A.-- Ice storm of Jan. 5-6, 1910, in New Jersey, 38:3--4

JUDY, D.D.-- Solar halos as seen at Garnett, Kan., [il], 42:273

JUHLIN's measurement of actuated vapor pressure, 37:4

JUSTICE, Alonzo A.-- Passing of mirage locally, 58:414--16
____ Seeing inside of tornado, [il], 58:205--06

KADEL, Benjamin C.-- Anemometer records on Buffalo office buildings..., 45:156--59
____ Improved form of snow sampler, [il], 47:697
____ Improvement in pole star recorder, [il], 47:154--55
____ Interpretation of wind velocity record at Miami Beach, Fla., Sept. 17-18, 1926, 54:414--16
____ Most intense rainfall on record, 48:274--76
____ Mountain snowfall measurements, 41:159--61
____ Rain-gage of standard commercial materials and parts, [il], 53:66--67
____ Rainfall catch as affected by different depths of funnels in rain gage, 58:282--83
____ Simple wind velocity indicator for use with Robinson anemometer, 44:288
____ and C. ABBE, jr.-- Current evaporation observations by Weather Bureau, [il], 44:674--77
KAHANOWICZ, Marya-- Constant sigma in Stefan-Boltzmann law, 46:209
KAIGORODOFF, Prof. A.-- Agricultural meteorology and raising agricultural productivity, 57:374--75
KAIN, Samuel W.-- Notes on local whirlwinds in New Brunswick, 28:488--89
____ Seismic and oceanic noises, 26:152
____ Thunderstorms in New Brunswick, 1897, 26:105--06
KALES, Dr. John W.-- Explosive noises at Franklinville, N.Y., 25:393
____ Moonshine and frost, 26:261
____ Serpentine lightning, 27:461--62
____ Thunderstorms in Franklinville, N.Y., 25:309--10
KALITIN, Prof. N.N.-- Field albedometer, [il], 59:118
____ Measurements of albedo of snow cover, [il], 58:59--61
____ Simple method of measuring diffused radiation of sky according to zones, [il], 57:52--53
____'s paper on illumination by diffused light during solar eclipse, June 29, 1927, 57:159--60
KALTENBRUNNER's statistical method of forecasting, Pepler on, 47:734
KARPOWICZ, A., and A. SCHIDLOF-- Evaporation of mercury droplets suspended in gas, 45:413
KASSNER, Dr. C.-- Course travelled by wind and weather in day-aid in weather forecasting, 52:101--02
____'s book on legal meteorology, Meisinger's review of, 50:254--55
____'s meteorological globes, 36:371
KAUFMAN, Rev. W.H.-- Crude hygrometer, 26:567--68
KEDZIE, Prof. R.C.-- Protection from frost, 23:295
KEELING, B.F.E.-- Note on evaporimeters, 34:157--58
KEEN, B.A.-- Forecasting frosts, 47:849
KEGEL's, Arnold H., paper on city air, 57:384
KELLOGG, G.J.-- Frosts and strawberry crop, 27:474
KELSEY, Keith-- New method of charting storm frequency, 53:251--52
KENDALL, J.L.-- Tornadoes at Louisville, Ky., Jan. 19, 1928, 56:15
____, W.E. BARRON, and R.A. DYKE-- Hail, April 21, 192, in Kentucky, Illinois, and Louisiana, 57:157--58
KENEALY, James-- Meteorological observatory of St. Ignatius College, Cleveland, O., 29:355
____ Severe local storm at Cleveland, O., 37:153--54
KENNELLY, Prof. A.E.-- Standard units in aerology, 42:141--43
KENOYER, L.A.-- Weather and honey production, 46:78

KEPNER, Capt. William E.-- Flight of RS-1, San Antonio, Tex., to Scott Field, Ill., 59:386--88

KERKAM, Robert E.-- Kites with rocket signals, 25:206

_____ Waterspout tornado of Nov. 29, 1896, at New Orleans, La., 24:399

KERNER, Fritz von- New method for determining total rainfall on oceans, 48:41

KERSHAW, J.B.C.-- Atmospheric pollution in English and Scottish towns, 44:114

KEYES, Dr. Charles R.-- Competency of wind in land depletion, 45:57--58

_____ Lacustral record of past climates, 46:277--80

KEYSER, Lieut. C.N.-- Aerological work in U.S. Navy, 47:851

_____ Detection of storms and travel by radio equipment, 48:263--64

KEYSER, E.M.-- Annual rise of Columbia river, 1917, 45:509--11

_____ Calculating temperature extremes in Spokane county, Wash., 50:526--28

_____ Inland empire long-period rainfall riddle, 58:287--88, 498

_____ Some 1929 fire-weather comparisons, 58:365--68

KHANEWSKY, W.-- Distribution of humidity in atmosphere, 54:464

KIDSON, Dr. Edward-- Meteorological observations of first Shackleton expedition, 58:294--95

_____ 's paper on rainfall in New Zealand, 1891--1925, Diettrich on, 59:121

KIESSLING, Prof. J.-- Motion of Krakatoa smoke in Sept. 1883, 14:271--72

KILLAM, Dr. S. Douglas-- Graphical integration of functions of complex variable with applications, 42:277--83

KIMBALL, Prof. Herbert II.-- Abnormal variations in insolation, 31:232--33

_____ Amount of solar radiation that reaches surface of earth on land and sea..., 56:393--98

_____ Angstrom on "Albedo of various surfaces of ground", 54:453

_____ Angstrom on atmospheric transmission of sun radiation and on dust in air, 57:381--82

_____ Angstrom on "Radiation and climate", 54:417--19

_____ Angstrom on recording solar radiation: study of radiation climate..., 57:98--99

_____ Automatic records of thunderstorm, 27:355--58

_____ Civil service examinations for observers in U.S. Weather Bureau, 26:548

_____ Conference of International Commission on Solar Radiation at Davos, Aug. 21-Sept. 2, 1925, 54:255--56

_____ Coordinates of U.S. Weather Bureau station at Mt. Weather, Va., 33:9--11

_____ Dorno on daily, yearly, and secular variations of solar radiation at Davos, 57:54--56

_____ Dorno on technique of measurement of solar radiation in restricted spectral regions, 52:580--81

_____ Duration and intensity of twilight, 44:614:20

_____ Effect upon atmospheric transparency of eruption of Katmai volcano, 41:153--59

_____ Effect of slope on quantity of solar radiation received per unit of surface, Suppl. 17:20--21

_____ Energy distribution in visible spectrum of sunlight and skylight, 53:112--15

_____ Evaporation observations in United States, 32:556--59

_____ Fowle on atmospheric ozone: its relation to solar and terrestrial phenomena, 57:58

_____ Gast on thermoelectric radio-meter for silvical research, 58:159--60

_____ General circulation of atmosphere especially in Arctic regions, 29:408--18

_____ High haze over southwestern United States during July to Sept. 1916, 44:433--34, 549--50

_____ Ice caves and frozen wells as meteorological phenomena, [il. pl. I--III], 29:366--71

_____ Influence of solar eclipse of June 8, 1918, upon radiation and other meteorological elements, 47:5--16

_____ Intensity of solar radiation at surface of earth, and its variations..., 63:1--4

_____ Intercomparison of pyrhelimeters, 52:302

_____ International Research Council-- third report of commission..., 60:11

_____ Kodaikanal solar physics observatory, [il], 34:220--22

_____ Measurements of solar radiation intensity and determinations of its depletion..., 55:155--69; 58:43--52

_____ Measurements of solar and sky radiation, 43:610

_____ Meeting of International Geodetic and Geophysical Union held in Stockholm, Aug., 15--23, 1930, 58:313--16

_____ Meetings of meteorological section of International Geodetic and Geophysical Union..., 52:533--36

_____ Meteorological aspect of smoke problem, 42:29--35

_____ New formula for computing solar constant from pyrhelimetric observations, 36:108--10

_____ Nocturnal radiation measurements, [il], 46:57--70

_____ Observations on solar eclipse of Jan. 24, 1925, at Washington, D.C., 53:22--23

_____ Observations of solar radiation with Angstrom pyrhelimeter at Asheville and Black Mountain, N.C., [il], 31:320--34

_____ Photometric measurements of daylight illumination on horizontal surface at Mt. Weather, Va., 42:650--53

_____ Prague meetings of International Geodetic and Geophysical Union..., 55:387--90

_____ Radiation conference at Berling and Potsdam, Feb. 23--26, 1931, 59:187--88

_____ Rainfall from convectional currents, 28:483--87

_____ Records of total solar radiation intensity and relation to daylight intensity, 52:473--79; 53:20

_____ Records of total solar radiation received on horizontal surface..., 57:300

_____ Relations of atmospheric pressure, temperature, and density to altitude, 47:156--58

_____ Seasonal variations in climate of Antigua, W. I., 29:168--73

_____ Sessions of meteorological section of International Union of Geodesy and Geophysics..., 50:488

_____ Shading effect of wire insect cages, 44:501--06

_____ Smithsonian solar constant values, 53:303--06

_____ Smoke cloud and high haze of 1916, 45:49--52

_____ Solar radiation as meteorological factor, 59:472--79

_____ Solar radiation intensities within Arctic circle, 59:154--57

_____ Solar radiation intensities at Mt. Weather, Va., 1914, 42:138--41, 310--11, 520

_____ Solar radiation intensities at Santa Fe, N.Mex., during Sept.--Dec. 1915, 43:590--91

_____ Solar radiation intensities at Washington, D.C., Oct.-Dec. 1914, 42:648--49

_____ Solar radiation measurements obtained at blue Hill Meteorological Observatory..., 61:230--32

_____ Solar radiation measurements at Lincoln, Neb., 1911-15, 44:5--8

_____ Solar radiation measurements at Santa Fe, N. Mex., and maxima at other stations, 43:439--43

_____ Solar and sky radiation intensities at Washington, D.C., 1915, 43:112--13, 160, 212, 262, 312, 378, 438, 496, 544, 590

_____ Solar and sky radiation measurements, 1916 to date, See: monthly issues from v.44 to date

_____ Some causes of variability of earthshine, 29:209--11
 _____ Some characteristics of continuous records of total solar radiation..., 59:77
 _____ Sun spots and weather, 29:248--49
 _____ Total radiation received on horizontal surface from sun and sky at Mt. Weather, Va., 1912--13, [il], 42:474--87
 _____ Total radiation received on horizontal surface from sun and sky at Washington, D.C., 1909--15, 43:100--11
 _____ Turbidity and water vapor determinations from solar radiation measurements..., 62:330--33
 _____ Twilight colors at Mt. Weather, Va., 42:76-77
 _____ Variation in solar radiation intensities measured at surface of earth, 52:527--29
 _____ Variations in atmospheric transparency during 1902, 1903, and 1904, 33:100--01
 _____ Variations in total and luminous solar radiation with geographical position in United States, [il], 47:769--93
 _____ Volcanic eruptions and solar radiation intensities, 46:355--56
 _____ Wolfer previsual sunspot relative numbers, 46:403
 _____ 's discussion of Clayton's "Solar variations", 53:527--8
 _____ 's discussion of Kalitin's article on measurement of solar radiation according to zones, 57:53--54
 _____ 's review of Simpson's paper on distribution of terrestrial radiation, 57:340
 _____ and S.P. FERGUSSON-- Weather Bureau observations in connection with solar total eclipse..., 46:167
 _____ and I.F. HAND-- Daylight illumination on horizontal, vertical, and sloping surfaces, 50:615--28; 53:448
 _____ and I.F. HAND-- Investigation of dust content of atmosphere, [il], 52:133--39; 53:243--46; 59:349--52
 _____ and I.F. HAND-- Magnitude of error in measurements of solar radiation..., 61:4
 _____ and I.F. HAND-- Reflectivity of different kinds of surfaces, 57:291--95; 58:280--82
 _____ and I.F. HAND-- Sky-brightness and daylight-illumination measurements, [il], 49:481--88
 _____ and I.F. HAND-- Use of glass color screens..., 61:80--83
 _____ and H.E. HOBBS-- New form of thermoelectric recording pyrheliometer, [il], 51:239--42
 _____ and B.G. MAC INTIRE-- Efficiency of smoke screens as protection from frost, 51:398--99
 _____ and E.R. MILLER-- Solar radiation measurements at Madison, Wis., 1913-15, 44:8--15
 _____ and A.H. THIESSEN-- City smoke and daylight illumination intensities, 45:205--07
 _____ and F.D. YOUNG-- Smudging as protection from frost, 48:461--62
 KIMBALL, Dr. James H.-- Avalon tornado of Aug. 21, 1912, 40:1145
 _____ Bremono Bluff tornado of Feb. 21, 1912, 40:336
 _____ Local storms of July 19, 1913, in Virginia, 41:981--82
 _____ Mammato-cumulus clouds, 40:1157
 _____ Pacific hurricane of Sept. 1915, 43:486
 _____ Richmond tornado of May 12, 1912, 40:991--92
 KINGER, Joseph B.-- Another mild winter, 1926--27, 55:81
 _____ Computing cotton crop from weather records and ginning reports, 49:295--99
 _____ Correlation of weather conditions and production of cotton in Texas, 42:61--65
 _____ Cotton plant in relation to temperature and rainfall, 52:306--07

_____ Danzig meetings of International Climatological Commission., 63:342--44
_____ Daytime and nighttime precipitation and economic significance, 44:628--33
_____ Does formation of abnormally heavy ice in Bering Sea cause famine in northern Japan?, 50:582--83
_____ Is our climate changing?- Study of long-time temperature trends, 61:251--59
_____ Our involuntary climatic travels, 49:18--20
_____ Our veteran cooperative observers, [il], 63:313--15
_____ Relation between vegetative and frostless periods, 47:106--10
_____ Relation of crop yields to quantity of irrigation water in southwestern Kansas, 50:646--47
_____ Relation of weather to amount of cotton ginned during certain periods, 45:6--10
_____ Seasonal distribution of precipitation and its frequency and intensity in United States, 47:624--31
_____ Sunshine in United States, 48:12--17
_____ Temperature influence on planting and harvest dates, 47:312--23
_____ Weather and cotton boll weevil, 56:301--04
_____ Weather and cotton production, 58:190--96
_____ and W.A. MATTICE-- Remarkable temperature agreement at 33-year interval, 62:378--79
_____ and W.A. MATTICE-- Statistical correlations of weather influence on crop yields, 56:53--57
_____ and W.G. REED-- Preparation of precipitation charts, 45:233
KING, L.V.-- Acoustics efficiency of fog-signal machinery, 45:442--43
KINSLEY, Carl, and A. SOBEY-- Radio direction changes and variations of audibility, 47:456--62
Kiosks, Weather Bureau, Maring on, [il], 37:89--91
KIRK, J.M.-- Destructive storms of July 13-14, 1913, in Ohio, 41:996--97
_____ Halos and precipitation at Wauseon, O., 42:616
_____ Severe storms of June 16, 1912, 40:840--41
KIRKPATRICK, R.Z.-- Dry season of 1925 of 1925 in Panama Canal Zone, 53:357--59
_____ Dry season of Panama Canal, 59:241--42
_____ Flood of Oct. 22-25, 1923, in Canal Zone, 51:641--43
_____ Panama climate, 51:253--54
_____ Water balance in Panama Canal, dry season on 1923, 51:265--66
KITAO, Prof. Diro, biographical sketch of, 35:452--54
KITTREDGE's, Prof. George L., theory of Indian Summer, 44:208
KLEINSCHMIDT, Dr. Ernst-- Kite station on Lake Constance, [il], 36:284--85
_____, and H. MERGESELL-- Compensation of aneroid barometers for influence of temperature, 33:259--60
KLENGEL, Friedrich-- Winter types on basis of five-day temperature means, 48:102
KLOSSOVSKII, Prof. A., retirement of, 37:29--30
KLOTZ, Dr. Otto-- Aurorae, earth currents, and magnetic disturbances, 43:596--98
_____, appointment of, as Chief Astronomer of Canada, 45:456
KNIGHT, Nicholas-- Analysis of precipitation of rains and snows at Mt. Vernon, Ia., 62:163--64
_____ and W.A. KREHL-- Analysis of rains and snows at Mt. Vernon, Ia., 1934--35, 63:162--63
KNIPE, Rev. S.W.-- Horizontal cloud roll, 23:212
KNOCHE, K., and E. REICHEL's paper on distribution and annual march of precipitation in

Alps, 58:499

KNOTT, Dr. C.G.-- Propagation of earthquake waves through earth, 46:251
 _____ Solar radiation and earth temperatures, 31:454--59

KOBAYASI, T.-- Cyclone which crossed Korean peninsula, 50:356
 _____ Mechanisms of cyclones and anticyclones, 52:37--38; 55:327

KOEPPE, Clarence E.-- Meteorological conditions and wheat yields in Ford county, Kan., 62:132-33
 _____ Meteorological extremes of Southwest, 62:447--52
 _____ and N.H. BANGS-- Climate of China, 56:1--7

KOEPPE, Prof. Wladimir-- Annual and geographical distribution of thunderstorms and squalls..., 48:221
 _____ Comfortable temperatures, 48:278
 _____ Express all barometric measurements by ordinary general units of force, 37:92--93
 _____ Monthly weather periodicity, 43:179--81
 _____ Present condition and recent progress of climatology, 23:461--63
 _____ Uniform thermometer exposure at meteorological stations..., [il], 43:389--95
 _____ 's classification of climates, application of, to California, 54:427
 _____ 's classification of climates, James' review of, 50:69--72
 _____ 's note on mean atmospheric pressure, Feb. 1879:12

KOEPPE, Clarence E.-- Meteorological conditions and wheat yields in Ford county, Kan., 62:132-33
 _____ Meteorological extremes of Southwest, 62:447--52
 _____ and N.H. BANGS-- Climate of China, 56:1--7

KOEPPE, Prof. Wladimir-- Annual and geographical distribution of thunderstorms and squalls..., 48:221
 _____ Comfortable temperatures, 48:278
 _____ Express all barometric measurements by ordinary general units of force, 37:92--93
 _____ Monthly weather periodicity, 43:179--81
 _____ Present condition and recent progress of climatology, 23:461--63
 _____ Uniform thermometer exposure at meteorological stations..., [il], 43:389--95
 _____ 's classification of climates, application of, to California, 54:427
 _____ 's classification of climates, James' review of, 50:69--72
 _____ 's note on mean atmospheric pressure, Feb. 1879:12

KOFLER, M., and V.F. HESS-- Year's penetrating radiation on Obir, 46:212

KOLHOERSTER, W.-- Penetrating radiation at high altitudes, 43:596

KOLLM, Dr. Georg-- South polar expedition, 29:421--22

KOMMERELL, V.-- Path of sound rays in air under influence of temperature, 44:644

KORHONEN, W.W.-- Simple snow-density measurer, 50:475--76

KOSCHMIEDER, Prof. H.-- Measurements of visibility at Danzig, [il], 58:439--44
 _____ Methods and results of definitive air-pressure measurements, 56:305--10
 _____ Methods and results of definite rain measurements, [il], 62:5--7

KOTOK, E.I., and S.B. SHOW-- Occurrence of lightning storms in relation to forest fires., 51:175--80

KREBS, Wilhelm-- Lowest barometric minima at sea level, 39:471

KREHL, Willard A., and N. KNIGHT-- Analyses of rains and snows at Mt. Vernon, Ia., 1934--35, 63:162--63

KREMSER's, Prof. Victor, remarks on rainfall, 30:233, 243
KRICHEWSKY's method of fitting frequency curves, Woolard on, 52:91--94
KROGH, A.-- Composition of atmosphere, 48:599
KRON's, E., report on extinction of light in terrestrial atmosphere, 42:653--54
KRUSE, Paul J., and E.L. THORNDIKE-- Effect of humidification of school room., 45:301--02
KULLMER, Prof. C.J.-- Luminous meteor cloud observed at Urbana, Ill., 36:410
____ Monthly storm frequency in United States, 43:610
KUNSMAN, C.H.-- Study of residual ionization in gas with reference to temperature effects,
48:660
KYNETT, Lawrence, and J. LOHNER-- Chemical composition of rains and snows at Mt.
Vernon, Ia., 57:461

LACKEY, Prof. Earl E.-- Annual variability rainfall maps for Nebraska, 63:79--85

LACOSTE, J.-- Atmospheric electricity and movement of depressions, 49:614
 _____ Forecasting weather, particularly storms, from pilot-balloon observations, 50:200

LACY, Walter N.-- Some climatic influences in American History, 36:169--73
 _____ Weather influences preceding evacuation of Boston, Mass., 36:128

LALIN, Michel-- Influence of forest on temperature of air current, 43:448--49

LAMANON, G. de,- Flux and reflux of atmosphere, 26:463

LAMARCK, Jean de, meteorology of, 36:475

LAMB, George N.-- Calendar of leafing, flowering, and seeding of common trees..., Suppl. 2, pt. 1

LANCASTER, Albert-- Atmospheric refractions at surface of water, 24:371--73
 _____ Hoar frost especially rich in nitrogen, 24:371
 _____ Proceedings of meeting of International Meteorological Committee at St. Petersburg, Sept. 2--7, 1899, 27:410--11
 _____ Use of kite in meteorology, 24:417
 _____'s investigations on sun spots, July 1897:11

LANDA, Luis-- Present condition of meteorology and seismology in Honduras, 43:610

LANDIS, D.S.-- Leonids at Phoenix, Ariz., 29:500
 _____ Notes on heat and droughts of 1913 at Fort Worth, Tex., 41:1450
 _____ Observations of tornado near Fort Worth, Tex., 36:135
 _____ Rainfall and flood at Fort Worth, Tex., 50:188--89
 _____ Structure of hailstones, [il], 34:277

LANDOLT's measurement of saturated vapor pressure, 37:5

LANDSBERG, H.-- Observations of condensation-nuclei in atmosphere, 62:442--45

LANE, R.C.-- Simple filling apparatus for definite inflation of pilot balloons, [il], 49:503--06
 _____ and R.A. WELLS-- Stereoscopic representations of wind movement aloft, [il], 47:450--51

LANG, Dr. John D.-- Foehn in New South Wales, 35:270

LANG's, Capt. R.A.F., and BLOWERS' altitude record, 47:28

LANGBECK, K.-- Regional peculiarities of thunderstorm occurrence in North Germany, 51:210

LANGEVIN, Jean., E. BAUER, and A. DANJON-- Twilight phenomena on Mont Blanc, 52:540

LANGLEY, S.P.-- Annals of Astrophysical Observatory of Smithsonian Institution, v.l., [il. pl. I], 30:258--60

LANGMUIR, Dr. Irving-- Condensation and evaporation of gas molecules, 45:452
 _____ Lightning phenomena, 35:357

LANOUILLE, J.E.-- Florida frosts of Feb. 2--4, 1898, 26:46
 _____ Prevailing direction of thunderstorms, 24:331

LAPHAN, Increase A.-- Atmospheric tide at Milwaukee, Wis., 32:376
 _____'s papers relative to beginnings of Weather Bureau, Miller on, 59:65--70

LA PEROUSE, voyage of, notes from, 26:461--63

LARMOR, Sir Joseph-- Gravitation and temperature, 44:516
 _____ Lightning and protection from it, 43:135
 _____ and N. YANAGA-- Permanent periodicity of sunspots, 45:576

LARNED, Ellen D.-- May- past and present, 35:221--22
 _____ Snow in New England, 22:75--76

LARRISON, G.K.-- Uncle Sam's dampest corner, [il], 47:303--05

LARSEN, Esper S.-- Supplementary report on geology of areas covered by Wagon Wheel Gap...

Suppl. 17:3--4

LARSEN, J.A.-- Climate and forest fires in Montana and northern Idaho, 1909--19, [il], 50:55--68

_____ Dust storms of northern Idaho and western Montana, 52:110

_____ Forest fire season at different elevations in Idaho, 53:60--63

_____ Weather records at lookout stations in northern Idaho, 50:13--14

_____ Why hardwoods do not grow naturally in West, 52:218

LASKA, V.-- Dependence of wind speed upon altitude, 47:707--08

LARSKOWSKI, Bernard R.-- Comparison of roof and ground exposure of thermometers, 59:77--79

_____ Exposure of rain gages, 57:506--07

_____ and P. CONNOR-- Tornadoes in Kansas, July 16, 1927, 55:326--27

LAUB, J., and W. KNOCHE-- Observations of atmospheric electricity during total solar eclipse..., 45:443

LAUGHLIN, Dr. E.O.-- Destructive local storm near Paris, Ill., 34:220

LAUGHLIN, W.W.-- Weather Bureau records and their use, 38:1884--85

LAURENS, Henry, and H.S. MAYERSON-- Total solar radiation at New Orleans, La., 63:281--86

LAWRENCE, J., and G.M.B. DOBSON, and D.N. HARRISON-- Measurements of amount of ozone in earth's atmosphere, 55:364--65

LAWSON's, Prof. A.C., note on San Francisco earthquake, April 18, 1906, 38:454

LAY, Owen T.-- Chicago's greatest snowstorm, March 25--26, 1930, [il], 58:146--47

_____ Remarkably heavy rainstorm in Chicago area, 59:311

_____ Temperature and relative humidity in cold storage plants for eggs and candy, 48:713--14

LEACH, H.R., and R.E. HORTON-- Snow-surface temperature, 62:128--30

_____ and R.E. HORTON's discussion of Gorbachev's "Relation between duration, intensity, and periodicity of rainfall", 51:308--09

LE CONTE, Prof. Joseph N.-- Computation of altitude of Mount Whitney, 31:533

LE DANOIS, E.-- Variations of water temperatures of Atlantic off French coast, 49:667

LEE, Rev. Charles H.-- Formation of clouds over Lake Michigan in winter, 32:114--15

_____ Precipitation, run-off, and evaporation in Owens Valley, 38:127--29

_____ Precipitation and altitude in Sierra, 39:1092--99

_____ Technical use that engineers make of U.S. Weather Bureau observations, 61:7--10

_____ 's "Evaporation loss from water surfaces", Henry's review of, 52:99--101

LEHMAN, W.F.-- Report on evaporation at Birmingham, Ala., 1909, [il], 38:313--16

_____ Tornado at Dora at Bergena, Ala., April 24, 1908, 36:134

_____ Tropical cyclone of Aug. 12--18, 1916, 44:461--62

LEIDY, Dr. C. Fontaine M.-- Waterspouts at Cape May, N.J., Aug. 24, 1902, 31:529

LEISENRING, O.D.-- Description of new brass river gage at Richmond, Va., and method of support, 27:456--57

LEMSTROM's, Prof. Selin, theory of auroras, 15:91

LENARD, P.-- Waterfall electricity and surface condition of liquids, 43:509--10

LEONARD, Percy-- Measurement and utilization of fog, 32:169--70

LESHAN, Joseph-- Vertical current detected by comparing cloud motion..., 48:696--97

LEVINE, P.-- Atmospheric periodicities, 48:37

LEWIS', C.L., biography of Maury, review of, 57:472--73

LEWIS, John H.-- Irrigation in Willamette Valley, 38:642--43
 _____ Lower Pwoder Valley project, Baker country, Ore., 40:629
 _____ Reconnaissance of Deschutes river in July 1912, 40:1117

LEWIS, Ollie L.-- Altitudes of bases of lower clouds as determined from kite and balloon observations, 49:342--47

LEY, W.C.-- Clouds and cyclones, Nov. 1879:16
 _____ Clouds and weather, Jan. 1879:14--15

LIBBY, Prof. O.G.-- Tornado at New Richmond, Wis., [il. pl. I--III] 27:299--300

LINDE, Prof. Karl-- Experiments on condensation of gases, 25:19

LINDEMAN, W.G.-- Aerological activities at Naval Air station, San Diego, Cal., 56:318--20

LINDGREN, G.S.-- Tornado in Union county, N. Car., April 12, 1920, 48:210--11

LINDHOLM, Dr. F.-- Is accuracy of precipitation measurements dependent upon area... ? 52:262--64
 _____, appointment of, director of Davos Observatory, 54:506
 _____ and G. HOFFMAN-- Recorded observations of Hess ultragamma radiation at Muottas Muraigl, 56:323

LINDLEY, R.T.-- Flood in Mississippi river from below mouth of White River..., 1922, Suppl. 22:25
 _____ Flood in Mississippi river from mouth of White river..., 1927, Suppl. 29:45--46
 _____ Local storms in Mississippi, 49:197
 _____ Report on floods occurring or in progress in Cairo, Ill., district..., 41:553--54

LINDSAY, George A.-- Annual rainfall and temperature of United States, 40:720--21

LING, C.W.-- Extremes of temperature and pressure in Montana, 31:533
 _____ Leonids at Havre, Mont., 29:509
 _____ Sudden temperature changes in Montana, 28:161--62
 _____ Weather types at Havre, Mont., 26:410

LING, Charles S.-- Complex solar hale observed at Ellendale, N. Dak., 40:132--33

LING, George-- Astronomy for meteorologist, 26:562

LINKE, Dr. Franz-- Measurement of sky coloring, 56:224--25
 _____ Prott theorem, 51:210
 _____ Results of measurements of solar radiation and atmospheric turbidity..., 52:157--60

LINNEY, Charles. E.-- Effect of approaching storms upon song birds, 26:354--55
 _____ Snowfall and run-off of upper Rio Grande, 51:16--19
 _____ Solar hale phenomena observed at Santa Fe, N. Mex., June 25, 1918, 46:267--68
 _____ Ten years of evaporation in Southwest, 55:320--22
 _____ Tornado of May 25, 1896, in Cook county, Ill., 24:168
 _____ Tornado in New Mexico, 58:254--56; 59:243
 _____ Value of frost predictions and method of making them, 21:230--31

LITTLE, Delbert M.-- Ceiling and visibility in Pacific coast section of United States, 58:203--04
 _____ Meteorological needs of class A1A airport, 57:336--37
 _____ Some effects of California mountain barriers on upper air winds..., 59:376--80
 _____ and E.M. VERNON-- Reduction of barometric pressure over plateau to 5000-foot level, 62:149--55

LITTLEWOOD, T.H., and W.G. DUFFIELD-- Correction of marine barometer for errors due to swinging, 49:412

LIU EN-LAN-- Coching Chu's memoir on climatic provinces of China, 58:209

Live stock industry, effect of weather on, 27:588--90
LIVINGSTON, Prof. Burton E.-- Atmospheric influence on evaporation and its direct measurement, 43:126--31
LIVINGSTON, Mrs. Grace J.-- Annotated bibliography of evaporation, 36:181--86, 301--06, 375--81; 37:68--72, 103--09, 157--60, 193--99, 248--52
LLOYD, F.E.-- Structure of hailstones of exceptional form and size, 45:412
LLOYD, J.R.-- Forest fire-weather service in Lake states, 59:31--33
____ Wet-bulb depression as criterion of forest fire hazard, 60:56--59
LLOYD, S.J.-- Radium content of weather from Gulf of Mexico, 43:342
LOCKWOOD, J.E.-- Great glaze storm of Feb. 21--23, 1922, in Wisconsin, [il], 50:78--80
LOEWY, H.-- Investigation of atmospheric in cloudy or thick weather, 48:38
LOGIE, Lieut. John-- Origin of anticyclones and depressions, 47:649
____'s "Note on tornadoes", 47:448
LOHNER, John, and L. KYNETT-- Chemical composition of rains and snows at Mt. Vernon, Ia., 57:461
LOISEL, J.-- Squalls and thunderstorms, 37:237--39
LOISEL, P.-- Variations of radioactivity of springs at Bangoles-de-L'orne..., 48:660
LONG, A.R.-- Hourly precipitation at Memphis, Tenn., 56:58--59
____ Is low relative humidity a good indication of precipitation within 48 hours?, 62:295
____ Thunderstorm at Memphis, Tenn., April 29, 1924, 52:212
LOOMIS, Prof. Elias-- Atlantic ocean storms, Dec. 1878:11--12
____ Movements of storms, Feb. 1880:17--18; Jan. 1881:19--20
____'s meteorological work at Western Reserve College, 1837--44, Miller on, 59:194--95
____'s paper on winds of Mt. Washington, Kune 1879:13--14
____'s theory of storms, June 1877:12; July 1877: 11--12
LOPEZ, E.-- Influence of tropical cyclones on weather in valley of Mexico, 47:641
LOVE, Charles A.-- Origin of descending gusts of wind, 25:351
LOVELAND, George A.-- Comparison of two types of evaporation pans, 48:715
____ Drought of 1913 at Lincoln, Neb., 41:1443
____ Increased flow of spring water in Autumn, 32:176--77
____ Iowa-Nebraska tornadoes of March 23, 1913, 41:566
____ Supplying moisture in connection with artificial heating, 33:208
____ Tornado of Oct. 9, 1913, in Nebraska, 41:1528
____ Tornadoes in eastern Nebraska, April 5, 1919, [il], 47:234--36
LOVERIDGE, Elmer F.-- Diurnal variations of precipitation at Honolulu, Hawaii, 52:384--85
____ Persistence of weather types in Hawaiian Islands, 54:370--72
LOWE, T.L.-- Solar halo phenomenon observed March 16, 1918, at Banners Elk, N.Car., 46:121--22
LOWERY, Arlie R.-- Upper winds at Reno, Nev., 61:171--73
LOY, Howard M., and W.G. REED-- Water resources of Strawberry Creek, Berkeley, Cal., 43:35--39
LUCKIESH, M.-- High lights of air travel, 47:540
LURQUIN, Constant-- Bolivian meteorology, 43:610
LYDECKER, R.C.-- Unusual rainfall of Feb. 1934, at Honolulu, 32:363--64
LYMAN, Herbert-- Auroras of 1919 in United States, 48:392--4
____ Remarkable aurora of May 14-15, 1921, 49:406--09

____ Smoke from Minnesota forest fires, 46:506--09
____ Tornado at Fergus Falls, Minn., June 22, 1919, [il], 47:392--94
____ and C.F. BROOKS-- Aurora of March 7-8, 1918, 47:402--12
____ and C.F. BROOKS-- Aurora of March 22-25, 1920, and associated displays, 48:379--92
LYMAN, Prof. Theodore-- Absorption of atmosphere for ultra-violet light, 42:487--89
LYON, Prof. E.P.-- Physiological heat regulation and problem of humidity, 52:267--69
LYONS, Capt. B.W.-- Waterspout of Feb. 18, 1929, in Florida Straits, [il], 57:76
LYONS, Curtis J.-- Sun spots and Hawaiian eruptions, 27:144
____ Tables of dew-point observed at Honolulu, 27:587--88
____ Trees as forecasters of rain, 31:592
____ Volcanic eruptions in Hawaii, 27:298--99
____, illness of, 31:534
LYONS, Col. H.G.-- Meteorological resources of Empire, 47:651--52
____ Meteorology during and after war, 47:81--83
____ Supply of meteorological information, 47:652
LYTEL, J.L.-- Evaporation and precipitation measurements at Prove, Utah, 38:277

MAC--- See also: MC---

MAC DOUGAL, Dr. Daniel T.-- Influence of light and darkness upon growth and development, 31:180--84

_____ Soil temperatures and vegetation, [il], 31:375--79

MAC INTIRE, B.G., and H.H. KIMBALL-- Efficiency of smoke screens as protection from frost, 51:396--99

MACKIE, Simon F.-- Relation between level of Great Salt Lake and rainfall, 29:57--61

MAHALANOBIS, F.C.-- Seat of activity in upper air, 52:223

MAIRAN's, Jean J., description of anti-twilight, 44:623--24

MALL, Ivor-- Blue Hill methods of "pilot ballooning", 47:228--30

MALLOCK, A.-- Diffusion of light by rain, cloud, or fog, 48:220

MANISSADJIAN, Prof. J.J.-- Climatological tables for Merzifoun, Turkey, 32:117--18

MANN, D.W.-- Mount Washington, N.H., heated anemometer, [il], 62:189--91

MANNING, Douglas F.-- Aurora of June 16-17, 1915, 43:546

_____ Aurora of Aug. 21, 1917, 45:399

_____ Cirrus bands and aurora, 43:315

_____ Discoloration of snow in northern New York, 49:17

_____ Do clouds yield snow easier than rain?, 42:105, 676

_____ Earth tremor due to thunder, 45:515

_____ Eye of storm, 52:108

_____ Noteworthy aurora, 39:1616

_____ Occurrence of precipitation on change of wind to north with approach of high barometer, 40:1134

_____ St. Lawrence river mirage, 40:1757

_____ Weather condition which produces glaze in northern New York, 48:72--73

_____ 's letter on formation of winter stratus and depth of northeast wind, 45:60

MANSON, Marsden-- Physical and geological traces of cyclone belt across North America, 52:102--04

_____ Status of climatology of ages, 57:421--23

MARBURY, J.B.-- Tornado at Gainesville, Ga., June 1, 1903, 31:268--69

MARCARELL, B.-- Critical periods of rice, 49:395

MARCH, A.-- Kinetic theory of evaporation, 44:680

MARCHAND, E.-- Twilight glows and connected phenomena observed in 1902, 1903, and 1904., 33:101--03

MARCHI's, Luigi di, *Meteorologia Generale*, 33:60--61

MARCOVITCH, S.-- Measure of droughtiness, 38:113

MAREAN, Ralph B.-- Small whirling columns of mist, 27:409

MARES, David J.-- Australian weather, 36:215--18

_____ New South Wales rainfall, 44:393--95

MARGARY, H.W.O.-- Electrical storm of Observatory Grove, Fla., Aug. 25, 1895, 23:298

_____ Thunderstorms at Eustia, Lake county, Fla., 25:251

MARGULES', Dr. Max., memoir on energy of storm, 33:519--21

MARILAUN, F.K. von-- Zonal variation of yearly march of air temperature, 49:29

MARING, D.T.-- Exhibit of meteorological data, 37:239--40

_____ Improved sunshine recorder, [il], 25:485

_____ Jamaican weather service, [il], 35:317--19

- ____ Weather Bureau exhibit at Pan-American Exposition, Buffalo, N.Y., [il. pl. I-IV], 29:259--62
- ____ Weather Bureau kiosks, [il], 37:89--91
- MARIOLOPOULOS, E.G.-- Formation of local depressions in Mediterranean, 51:469
- MARKHAM's, Sir Clements, discussion on warm winds in Antarctic regions, 34:163
- MARMER, H.A.-- Relation of coastal currents and winds on Pacific coast, 49:574
- MARR, George A.-- Storm warnings on Great Lakes, 59:181-83
- MARSTON, A.-- Effect of drainage work in northern Iowa on flood stages of rivers, 37:1046--47
- MARTIN, Edward A.-- Dew-ponds, 35:1046--47
- MARTIN, Howard H.-- Circumzenithal arc with black band, 44:506--07
- ____ Cloud-shadow projection, 41:599
- ____ Fog in central Ohio and its relation to subsequent weather changes, 47:471--72
- ____ Further study of halos in relation to weather, 46:119--20
- ____ Halo of April 14, 1918, at Columbus, Ohio, 46:165--66
- ____ Halos at Fort Worth, Tex., and relation to subsequent precipitation, 44:57--68
- ____ Hourly frequency of precipitation in central Ohio, 46:375--76
- ____ Mackerel sky as prognostic of precipitation, 48:156
- ____ Meteor of June 28, 1916, over northeastern Texas, 44:323--24
- ____ Mock suns, 41:1069
- ____ Relation of clouds to weather in central Ohio, 47:567--70
- ____ Relation of wind direction to subsequent precipitation in central Ohio, 47:7430--33
- ____ Relation of winds to temperature in central Ohio, 48:85--88
- MARTIN, Robert J.-- Preliminary statement of tornadoes in United States during 1932, 60:253
- ____ Preliminary statement of tornadoes in United States during 1933, 61:360
- ____ Preliminary statement of tornadoes in United States during 1934, 62:455
- ____ Preliminary statement of tornadoes in United States during 1935, 63:349
- ____ Weather of 1932 in United States, 60:254--55
- ____ Weather of 1933 in United States, 61:361--62
- ____ Weather of 1934 in United States, 62:455--57
- ____ Weather of 1935 in United States, 63:349--51
- MARTIN, W.D.-- Local contrast of weather at Long Branch, 23:13
- MARVIN, Prof. Charles F.-- Air drainage explained, 42:583--85
- ____ Anemometer tests, [il], 28:58--63
- ____ Aneroid barometers, 26:410--12
- ____ Annual march of mean temperature, Wagon Wheel Gap, Colo., Suppl. 17:17--19
- ____ Are lightning flashes unidirectional or oscillating electric discharges?, 42:499--501
- ____ Are meteorological sequences fortuitous?, 58:490--93
- ____ Calibration of Mt. Washington, N.H., heated anemometer., [il], 62:191--95
- ____ Cloud observations and improved nephoscope, [il], 24:9--13
- ____ Comparison of anemometers, 18:22--23
- ____ Concerning normals, secular trends and climatic changes, 51:383--90
- ____ Cycle recurrences with variable length of both period and amplitude, 57:510--11
- ____ Deflection of bodies moving freely under gravity on rotating sphere, 43:503--06
- ____ Diagrams showing conditions and effects of Daylight Saving Act, 46:76
- ____ Distant earthquakes recorded at Weather Bureau during 1906, 34:618--20

- _____ Earthquake of June 2, 1903, at Washington, D.C., 31:270
- _____ Earthquake of Dec. 5, 1903, at Washington, D.C., 31:524
- _____ Earthquake of Jan. 20, 1904, at Washington, D.C., 32:14
- _____ Earthquakes of June 25--26, 1904, 32:260
- _____ Earthquake of Aug. 27, 1904, 32:370--71
- _____ Earthquakes recently recorded at Weather Bureau, 1905, 33:308--09
- _____ Earthquakes of Jan., and Feb., 1905, 33:13
- _____ Earthquake of March 21, 1905, 33:100
- _____ Eight-day mechanically recording rain gage, [il], 43:26--28
- _____ Elementary notes on least squares, theory of statistics and correlation, .., 44:551--69
- _____ Erroneous conversion of metric and English barometer readings, 26:302--03
- _____ Excerpts from annual report of Chief of Weather Bureau for year ending June 30, 1930, 58:393--96
- _____ Fitting straight lines to data greatly simplified with applications to sunspot epochs, 52:89--91
- _____ Flight of aircraft and deflective influence of earth's rotation, 47:75--77
- _____ Forecasting weather on short-period solar variations, 48:149--50
- _____ Glaisher's factors and Ferrel's psychometric formula, [il], 34:209--12
- _____ Great Indian earthquake of April 4, 1905, as recorded at Weather Bureau, 33:148--49
- _____ Highest kite ascension, 33:476--77
- _____ Improvements in seismographs with mechanical registration, [il], 34:212--17
- _____ Interpretation of correlation coefficients, 55:107--08
- _____ Introductory note to papers on reality of meteorological periodicities, 55:66
- _____ Investigation of gravity at sea, 49:25
- _____ Kingston earthquake, 35:5--56
- _____ Kite experiments at Weather Bureau, 24:113--23, 156-66, 199--206, 238--55
- _____ Law of geoidal slope and fallacies in dynamic meteorology, 48:565--82
- _____ Locarno meeting of Meteorological Committee, Oct. 1931, 59:481
- _____ Marvin seismograph, [il], 23:250--52
- _____ Measurement of sunshine and preliminary examination of Angstrom's pyr heliometer, [il. pl. I] 29:454--58
- _____ Measurement of wind velocity, [il], 17:52--54
- _____ Measurement of solar radiation and their interpretation, 55:49--55
- _____ Mechanics and equilibrium of kites, [il], 17:52--54
- _____ Mercurial barograph of high precision, [il], 36:307--13
- _____ Methods and apparatus for observation and study of evaporation, [il], 37:141--46, 182--91
- _____ Mexican earthquake of April 15, 1907, with notes on nature of movements..., 35:157--59
- _____ Moisture tables, [il], 26:205--07
- _____ New form of precision barograph, [il], 34:324--25
- _____ New Japanese seismological publications, 35:159--60
- _____ New principle in analysis of periodicities, 52:85--89
- _____ Nomenclature of unit of absolute pressure, 46:73--75
- _____ Normal temperatures: are irregularities in annual march of temperature persistent?, 47:544--55
- _____ Normals of daily temperature for United States, Suppl. 25
- _____ Note on abnormal freezing of water and corresponding vapor pressure, 33:156--57

_____ Note on anemometer exposure at Point Reyes light, Cal., 31:68
 _____ Note upon economical shapes for cutting envelopes of balloons, [il], 31:314--17
 _____ Notes on feeble earthquake recorded at Washington, D.C., [il], 31:125--27
 _____ Novel type of record sheet adapted to seismographs, aerial meteorographs, etc.,
 33:240--41
 _____ Pressure of saturated vapor from water and ice as measured by different authorities,
 37:3--9
 _____ Proposed new formula for evaporation, 37:57--61
 _____ Question of day-to-day fluctuations in derived values of solar constant, 53:285--303
 _____ Rational theory of cup anemometer, 60:43--56
 _____ Recent advances in anemometry, [il], 62:115--20
 _____ Report upon earthquake of Oct. 31, 1895, [il], 23:374--79
 _____ Shall we revise our nomenclature for thermometric scales?, 45:534
 _____ Sluggishness of thermometers, 27:458--61
 _____ Small seismic changes caused by building operations, 27:582
 _____ Solar radiation intensities and terrestrial weather, 51:186--88
 _____ Tables for computing harmonic analysis, 54:14
 _____ Terrestrial weather and solar activities, 47:3--4
 _____ Theory and use of periodocrite, 49:115--24
 _____ Universal seismograph for horizontal motion and notes on requirements that must be
 satisfied, [il], 35:522--34
 _____ Weather Bureau kite, 23:418--20
 _____ Weather Bureau seismograph, [il], 31:271--75
 _____ What is the effect of heavy rains with high winds on run of cup-wheel anemometers?,
 61:233
 _____ Wind velocities at different heights above ground, 59:309
 _____'s discussion of Alter's "Possible rainfall period equal to one-ninth the sun spot period",
 49:83--85, 133--34
 _____'s discussion of Clayton's "Solar variations", 53:525--27
 _____'s discussion of Clough's "Systematically varying period in weather and solar phenomena",
 52:439--41
 _____'s discussion of Grunsky's article on evaporation from lakes and reservoirs, 60:6
 _____'s discussion of Simpson's "Pretechnical meteorological studies", 51:71
 _____'s kite meteorograph, illustration of, 27:Oct. 1899, pl.I
 _____'s note on Smith's paper relative to predicting minimum temperatures, 45:407
 _____'s notes and comments on classification of hydrometeors, 45:17--18
 _____'s pyrheliometer, characteristics of, Foote on, 46:499--500
 _____'s pyrheliometer, illustrations of, 47:769
 _____'s remarks on charting precipitation, 30:214
 _____'s remarks on receiving Hartley Memorial Medal for Abbe, 44:206
 _____ and P.C. DAY's "Normals of daily temperature in Untied States", Henry's review of,
 53:117--18
 _____ and others-- Projections for world maps, [il], 57:127--36
 MASCART, Prof. Eleuthere--Meteorological congress at Paris, Sept. 10--16, 1900, 28:19
 _____'s article on atmospheric electricity, Nov. 1879:15--16
 MASCART, Jean-- Accuracy of forecasts, 50:592

_____ Long-range forecasting, 49:575
 _____ Mean values in meteorology, 50:92
 _____ 's article on changes of climate, review of, 53:315
 MASINI, A.-- Factors influencing condensation of aqueous vapor in atmosphere, 45:412--13
 MASSON, Prof. Orme-- Influence of weather conditions on amounts of nitrogen acids..., 45:501
 MASUZAWA, S., and T. TERADA-- Barometric gradient and earthquake frequency, 48:355
 MATH, Frank A.-- Battle of chinook wind at Havre, Mont., 62:54--57
 _____ Duration of rainfall at Havre, Mont., 57:468--71
 _____ Pilot-balloon observations at Havre, Mont., 59:189--91
 _____ Solar eclipse April 28, 1930, at Havre, Mont., 58:162--63
 MATHIAS, E.-- Altitude relations of rainfall in France, 47:41
 _____ Ball lightning on Fuy de Dome, 44:516--17
 MATHEWS, J.H.-- Redetermination of heat of vaporization of water, 46:180
 MATTHEWS, F.E.-- Winds of Yosemite Valley, [il], 39:1257--59
 MATTHEWS, Albert-- Term Indian Summer, 30:19--28, 69--79
 MATTICE, W.A.-- Dust storms, Nov. 1933 to May 1934, [il], 63:53--55
 _____ Dust storms, June 1934-March 1935, 63:113--15
 _____ Dust storms, April 1935, [il], 63:148
 _____ Dust storms, May 1935, 63:175
 _____ Future of agricultural meteorology, 59:274--75
 _____ Precipitation in northern Great Plains, 62:445--47
 _____ Recent warm-weather trends as shown by graphs of accumulated temperature, 58:447--51
 _____ Relation of Spring temperatures to apple yields, 55:456--59; 59:79--80
 _____ Weather and corn yields, 59:105--12
 _____ Weather and hay in New York State, 54:461
 _____ Weather influence on crop production in regions of scanty rainfall, 54:336--41
 _____ Weather and pears in New York States, 62:454
 _____ and J.B. KINCER-- Remarkable temperature agreement at 33-year interval, 62:378--79
 _____ and J.B. KINCER-- Statistical correlations of weather influence on crop yields, 56:53--57
 MAURAIN, C.-- Velocity of wind in high altitudes in clear weather, 47:809
 MAURER, Dr. J.-- Experimental investigation into co-efficient of sensitiveness..., 33:259
 _____ Increased solar activity and atmospheric optical phenomena, 43:545--46
 _____ Severe winters in southern Germany and Switzerland since 1400..., 52:222
 _____ Solar coronae: five years' recent observations, 45:577
 _____ and C. DORNO's paper on progress and geographical distribution of atmospheric-optical disturbance of 1912--13, 42:214--16
 MAURY, Matthew F., biographies of, reviews of, 57:472--73
 MAVOR, Prof. James W.-- Course of Gulf Stream in 1919--21, as shown by drift bottles, 51:29
 MAXWELL, W.D.-- Interior temperatures in large masses of concrete during time of setting, 39:1188
 MAYER, Charles D.-- Spread of epidemic by rains and winds, 23:295--96
 MAYERSON, H.S., and H. LAURENS-- Total solar radiation at New Orleans, La., 62:281--86
 MAYO, William L.-- Waterspouts in Maryland, 35:14--15
 MAYOR, Alfred G.-- Detecting ocean currents by observing their hydrogen-ion concentration, 47:806
 Mc--- See also: MAC—

McADIE, Prof. Alexander G.-- California's charts of rainfall, 30:362--63
____ Climate as controlling factor in long distance transmission of electrical energy, 25:439--40
____ Conservation of purity of air-- prevention of smoke, [il], 38:1423--25
____ Convenient conversion table for frost work, 40:938--39
____ Covering almond trees for frost protection, [il], 40:282--83
____ Damage by lightning near San Francisco, 41:119
____ Disposition of smoke, 38:1107--08
____ Earthquakes on Pacific coast, 35:579
____ Effect of abnormal weather conditions during construction of Los Angeles Aquaduct, 40:282
____ Equipment of aerophysical observatory, 24:453--54
____ Excessive rains in California, 40:1410--13
____ Experiments in frost protection, [il], 38:1894--95
____ Fog and frost in San Gabriel Valley, [il], 38:1895--96
____ Fog studies on Mt. Tamalpais, [il], 28:283--86, 492--93
____ Forecasting on Pacific coast, 36:98--101
____ Forecasting supply of water for Summer from depth of snow, 39:445--47
____ Forecasting water supply in California, 41:1092--93
____ Franklin's kite experiment and energy of lightning, [il], 56:216--19
____ Frost cartridges, 39:612
____ Frost damage prevented by covers, 37:224--25
____ Frost fighting, [il. pl. II-V], 29:65--67
____ Frost studies, 40:1574
____ Frost studies- determining probable minimum temperatures. 41:623--25
____ Heating atmosphere, 40:937--38
____ Minimum temperature on Mt. Whitney, Cal., 40:1413
____ Mount Whitney as site for meteorological observatory, 31:524--27
____ Mountain sites for observatories on Pacific slopes, [il], 38:1266-70
____ New heater and vaporizer for frost protection, 40:618--19
____ Peculiar squall, 38:1740--43
____ Phenomena preceding lightning, 56:219--20
____ Problem of the kite, 25:246--48
____ Protecting California orange crop from frost, 39:1910--11
____ Protection against frost- frost candles, 39:769--70
____ Rainfall of Hetch Hetchy Valley, [il], 37:1117--22
____ Relation of rainfall to yield of milk, 40:1725
____ Relative humidity in Death Valley, 41:931
____ Report on recent destructive frosts in California, 41:120--22
____ Sixty years of rainfall in California, 38:1591--92
____ Snowfall at Summit, Cal., 38:940--41
____ Some experiments in atmospheric electricity, 19:171
____ Straw as protection against frost, [il], 39:276--78
____ Studies in frost protection- effect of mixing air, 40:122--23, 779
____ Suggested reform in meteorological methods, 36:372--74
____ Unusual lightning flash, [il], 57:197--98

____ Variation of rainfall with altitude, 39:1422; 40:1107

____ Weather reports from vessels at sea, 31:269--70

____ Well marked foehn effects with great diurnal ranges of temperature in southern California, 35:508

____ Whirling alto-stratus, [il], 25:245--46

____ Winds of Boston and vicinity, 47:576--77

____ Work of aerographic section of Navy, 47:576-77

____ Work of Weather Bureau in protecting fruit, especially from frost, 39:275--76

____, appointment of, to Naval Reserve Flying Corps, 46:78

____, retirement of, from Blue Hill Observatory, 59:278--79

____'s 'Manual of Aerography', review of, 46:563

____'s review of Rotch and Palmer's "Charts of Atmosphere", 39:1446--47

____ and C.M. RICHTER-- Phenomena connected with San Francisco earthquake, 35:505--06

____ and W.W. THOMAS-- Some high wind records on Pacific coast, [il], 31:64--68, 227

McATEE, Waldo L.-- Showers of organic matter, 45:217--24

McAULIFFE, Joseph P.-- Cause of accelerated sea breeze over Corpus Christi, Tex., 50:581--82

____ Excessive rainfall and flood at Taylor, Tex., 49:496--97

____ Flying weather in Corpus Christi area, 59:188--89

____ Forecasting rain on west Texas coast, 51:400--01

____ Morning showers over Gulf, and afternoon showers in interior near Corpus Christi, Tex., 61:229

____ Sleet and ice storm at Corpus Christi, Tex., Dec. 19--21 and 25, 1924, 52:586

McBRIDE, G.M.-- Climate of Galapagos Islands, 48:164-6-5

McCABE, George P., appointment of, as solicitor of Agriculture Department, July 1, 1905, 33:209--10

McCANDLESS, R.H.-- Small cloudburst near Shasta, Cal., 36:97

McCARTHY, E.F.-- Forest fire weather in southern Appalachians, 51:182--85

____ Forest fires and storm movement, 52:257--59

____ Weather and forest inflammability in southern Appalachians, 51:182--85

McCARTHY, Joseph L., and G.E. DAVIS-- Twenty-nine months of solar radiation at Tucson, Ariz., 60:237--42

McCARTHY, Dr. J.H.-- Publications on meteorology, 24:76--77, 112--13, 153, 198--99

McCLINTOCK, J.Y.-- Floods in Tennessee river, 23:341

McCLURE, Donovan-- Nebulizer-- device for artificially producing mist, 49:294

McCLURG, R.J.-- Glase storm of Nov. 15-16, 1930, in North Dakota and Minnesota, 58:567

____ Tornado strikes swiftly-moving train, [il], 59:198--99

McCURDY, Albert J. jr.-- Cyclonic disturbances in southern oceans, 52:507

____ Gales off African coast and in Australian waters, 52:172

____ Gales in Indian ocean and off African coast, 53:172

____ Southwest monsoon in Arabian sea; gales in South Pacific ocean, 52:319, 404--05

McDIARMID's, F.A., article on climate of Canadian Yukon, 36:178

McDONALD, W.F.-- Caribbean hurricane of Oct. 19-26, 63:294--95

____ Hourly frequency and intensity of rainfall at New Orleans, La., 57:1--6

____ Hurricane of Aug. 31-Sept. 6, 1935, 63:269--71

____ Low barometer readings in West Indian disturbances of 1932 and 1933, 61:273--74

____ Lowest barometer reading in Florida Keys storm of Sept. 2, 1935, 63:295

____ Smith on scientific results of Marion expedition of 1928, to Davis Strait and Baffin Land, 59:428--30

____ Tropical disturbance of Aug. 18-25, 1935, 63:250

____ Tropical storms of Sept. 1931, in North American waters, 59:232--33

____ Weather and sugar cane in Louisiana, 54:367--69

____ West Indian hurricane, Sept. 23 to Oct. 2, 1935, 63:271--72

McDONOUGH, P.-- Flood in Cherry Creek Basin, Colo., 63:271--72

McDOUGALL, E.G.-- Influence of climate on yield and quality of sugar beet in Canada, 49:395

McDOWALL, G.W.-- Erosion of Sioux Point, S. Dak., 39:877

McEWEN, George F.-- Application of physical principles to problem suggested by oceanic circulation and temperatures, 43:520--21

____ Distribution of temperatures and salinities and circulation in North Pacific ocean, 47:805

____ Heating and cooling of water surfaces, 56:398--99

____ Method of computing evaporation from temperature gradients in lakes and reservoirs, 52:108--09

____ Minimum temperature..., Suppl. 16:64--69

____ Ocean temperatures on California coast, 40:1882--83

____ Ocean temperatures and seasonal rainfall in southern California, 53:483--89

____ Peculiarities of California climate, 42:14--23

____ Physical theory of ocean or reservoir temperature distributions, 47:805

____ Quarterly forecasts of sea and air temperatures, 62:361--64

____ and A.F. GORTON-- Meteorology and seasonal weather forecasting:58:495

____ and WE. RITTER-- Ocean temperatures and seasonal weather in southern California, 46:512

McFARLAND, Byron-- Thunderstorm; new explanation of phenomena, 29:297--98

McGEE, W.J.-- Ice caves and freezing wells, 29:509--10

McGLONE, Dr. Bartgis-- Waterspout at Beaufort, N. Car., 36:214--15

McLAUGHLIN, Walter B.-- Seismic and oceanic noises, 26:152

McLEAN, Forman T.-- Relation of climate to plant growth in Maryland, 43:65--72

McLEOD, C.H.-- Records of difference of temperature between Mt. Royal and McGill., 34:505--10

McNEAL, Lieut. Don-- Some observations on free-balloon flight., 48:334--35

____ Tornado of Dec. 17, 1915, in eastern Mississippi, 43:640

McNISH, A.G., and R.G. WAIT-- Atmospheric ionization near ground during thunderstorm, [il], 62:1--4

MEAD, Daniel W.-- Relation of precipitation and stream flow to irrigation projects, 38:446--47

MEANS, Thomas H.-- Agricultural engineer and Weather Bureau, 37:1107--08

MEECH, Levi W.-- Moon and weather, 29:372

MEEKER, R.I.-- Return-flow from irrigation developments, 50:315

MEESON, J.T.-- Northwesters of Canterbury, 23:383

MEINARDUS, Dr. Wilhelm-- Tasks and problems for meteorological explorations in Antarctic, 42:223--30

MEINZER, Oscar E.-- Atmospheric water, 47:809--10

____ Use of divining rod, 45:300--01

____ and N.D. STEARNS-- Study of ground water in Pomperaug Basin, Conn., 57:341--43

MEISINGER, Lieut. Clarence LeRoy-- Balloon project and what we hope to accomplish,

52:27--29

- _____ Balloon race from Fort Omaha through thunderstorms, 47:553--34
- _____ Climatological factors governing selection of air routes and flying fields, 48:525--27
- _____ Concerning accuracy of free-air pressure maps, 51:190--99
- _____ Concerning graphical device for pressure reduction, 49:396--99
- _____ Constant-elevation free-balloon flights from Fort Omaha, 47:535--38
- _____ Effect of barometric pressure upon altimeter readings, 48:529
- _____ Free-balloon flight in northeast quadrant of intense cyclone, 47:231--33
- _____ Great cyclone of mid-February 1919, 48:582--86
- _____ Kassner on legal meteorology, 50:254--55
- _____ Law of pressure ratios and application to charting of isobars..., 51:437--48
- _____ Making of upper-air pressure maps from observed wind velocities, 48:697--701
- _____ Notes on meteorological service in German Army from translations of German documents, 47:871--74
- _____ Precipitation of sleet and formation of glaze in eastern United States..., 48:73--80
- _____ Preliminary steps in making of free-air pressure and wind charts, 48:251--63
- _____ Preparation and significance of free-air pressure maps..., Suppl. 21; 50:453--68
- _____ Pressure distribution at various levels during passage of cyclone..., 50:347--56
- _____ Progress in making free-air pressure and wind charts, 49:238--39
- _____ Toronto symposium on barometric reductions, 49:655--57
- _____ Weather factor in aeronautics, 48:701--08
- _____ 's discussion of Brooks' "Mapping ocean of air", 49:236--37
- _____ 's free-balloon flights, analysis of, Jakl on, 53:99--107
- _____ and C.F. BROOKS-- Note on height and location of aurora spots and belt of March 24, 1920, 48:392
- MEISSNER, O.-- Variability of temperature and rainfall in Berlin, 48:38
- _____ "Warmth of Dawn", 48:39
- MELLER's, C.L., article on parhelic circle with two pairs of parhelia at Fargo, N.Dak., 45:56
- MELVIN, Eugene H., and O.R. WULF's article on effect of temperature on ultraviolet..., 59:278
- MENDENHALL, Dr. T.C.-- Baron Dairoku Kikuchi, 1855--1917, 45:603--05
- MERCANTON, P.L.-- Effect of terrestrial relief on ionic densities in atmosphere, 45:443
- _____ Simple maximum anemometer, 49:244
- _____ Snowfall and snow cover on St. Bernard Road (Entremont Valley) in Wallis, from 1904--13, 47:699
- MEREDITH, H.-- Meteorological conditions over sea in eastern Mediterranean, 55:407--09
- MERRIAM's, Dr. C. Hart, letter on relation between forests and rainfall, 30:229
- MERRILL, Prof. Lewis A.-- Relation of farmer to Weather Bureau, 38:119--20
- MERRILL, Selah-- Climate of Palestine, 11:193--94
- MERRIMAN, Thaddeus-- Rainfall and run-off of Catskill Mountain region, 35:109--18
- MERRITT, Prof. Ernest-- Physics and meteorology, 30:446--47
- MESEGUER, Enrique, appointment of, chief of Serviceo Meteorologico Espanol, 53:120
- MEYER's, Adolph F., "Elements of Hydrology", review of, 47:307
- MEYER's, Rudolph, "Die Haloerscheinungen", Woolard's review of, 58:67
- MICHAUD, G., and J.F. TRISTRAN-- Absorption of ultraviolet and infra-red radiations..., 43:510--11
- MIDDLETON, W.E. Knowles-- Principles underlying choice of visibility marks, 63:17--19

MIKESELL's, Thomas, phenological data and meteorological data for Wauseon, O., Smith on, Suppl. 2, pt. 2

MILHAM, Prof. Willis I.-- Classification of methods of transition from rain to blue sky, 42:94--97

____ Two years' study of Spring frosts at Williamstown, Mass., 36:250--54

____ Variation in minimum temperatures on still, clear nights within confines of village, 33:305--08

____ Variation in temperature over limited area, 34:563--70

____ Year 1816-- causes of abnormalities, 52:563--70

MILL, Dr. Hugh R.-- Christmas snowstorm of 1906, 35:506--08

____ Use of 'average', 'mean', 'general', 43:24

____, presentation of Symons Memorial Medal to, 45:606

MILLAS, Joso C.-- Brief description of new dial for aneroid, 50:359--60

____ Origin and course of West Indian hurricanes, 43:611

MILLER, Eric R.-- Aeronautical meteorology in Germany, 60:214--26; 61:46

____ American pioneers in meteorology, 61:189--93

____ Climatic cycles in Eocene, 58:118--19

____ Climatology of Tampa, Fla., 31:184--85

____ Deposit of ice columns, [il], 33:527

____ Diminishing winter radiation from sun and sky at Madison, Wis., 59:272--74

____ Dust fall of March 20, 1924, 52:141

____ Dust fall of Nov. 12-13, 1933, 62:14--15

____ Evaluation of meteorological institutions in United States, 59:1--6

____ Internal reflection as source of error in Callendar bolometric sunshine receiver, [il], 43:264--66

____ International meteorological definitions and symbols, 33:524--27

____ Interpolation of rainfall data by method of correlation, 59:33--36

____ Irregular atmospheric refraction at high altitudes, 48:509--11

____ Lightning fatality, 51:358

____ Measurements of solar radiation at Madison, Wis., with Callendar pyrheliometer, 48:338--43

____ Monthly charts of frequency-resultant winds in United States, 55:308--12

____ New light on beginning of Weather Bureau from papers of Lapham, 59:65--70

____ Observation of dust falls, 49:17

____ Pioneer meteorological work of Loomis at Western Reserve College, Hudson, O., 1837--44; 59:194--95

____ Raininess charts of United States, 61:44--45

____ Reduction of century of temperature observations to homogeneity, 49:25

____ Relative frequency of centers of cyclones and anticyclones in United States, 60:6-11

____ Solar coronas of 1, 2, and 3 in very clear sky, 56:323

____ Solar halo of Feb. 3, 1905, at Washington, D.C., [il], 33:11--13

____ Some characteristics of Callendar pyrheliometer, 48:344--47

____ Some wind velocity correlations, 62:402--04

____ Taylor's theory of atmospheric turbulence, 47:703--06

____ Test for personal error in meteorological observations, 43:275--78

____ Tradition versus history in American meteorology, 58:65--66

- _____'s note on century of temperatures in Wisconsin, 56:61
- ____ and H.H. KIMBALL-- Solar radiation measurements at Madison, Wis., 1913--15, 44:8--13
- ____ and H.H. KIMBALL-- Total radiation received on horizontal surface from sun and sky..., 44:180--81
- MILLER, Paul A.-- Airplane landings in gust surface winds, 59:33--34
- ____ Flying over rough country in bad weather, 58:25--26
- ____ Note on pilots' observations of air currents in and near thunderstorms, 56:315
- MILLER, Ross O.-- Dates of general breakup of ice in Missouri river at Williston, N. Dak., 52:272
- MILLET, J.B.-- Hargrave kites, 24:417
- MILLIKAN, Lieut.-- Col. R.A.-- Some scientific aspects of meteorological work of U.S. Army, 47:210--15
- MILLS, Chester L.-- Characteristics of intertropical atmospheric circulation, 35:168--69
- MINDLING, George W.-- Comparison of drought conditions in Georgia and Arkansas, 61:352--53
- ____ Heavy rainfall in Georgia, 61:352--53
- ____ Hourly rainfall in Georgia, 61:295--99
- ____ Influence of artificial heating on climate of cities, 39:1280--83
- ____ Snowfall of Winter, 1909--10, in New York, 38:171--72
- MITCHELL, A. Crichton-- Diurnal incidence of maximum and minimum temperatures at Eskdalemuir, 47:164
- MITCHELL, Alexander J.-- Carabelle, Fla., storm of Aug. 1-2, 1899, 27:348
- ____ Effects of low temperatures on citrus trees and fruits, 38:16--17
- ____ Florida frosts of Feb. 2-4, 1898, 26:45--46
- ____ Frost and frost protection in Florida, 42:588--89
- ____ Fruit protection in Florida, 42:588--89
- ____ Lake Okeechobee and safety from tropical storms, 51:13--15
- ____ Quintette of cold waves in Florida, 45:416--17
- ____ Severe wind and hail storms in Florida, 41:828
- ____ Special notes on weather in Florida during June 1912, 40:828
- ____ Tropical storm, Sept. 29--30, 1920, 48:524
- ____ West Indian hurricane of Sept. 29-Oct. 2, 1898, 26:440
- ____ Wind velocities for different altitudes and exposures, 33:153
- ____ Winter weather in Florida, 40:1470--71
- MITCHELL, Charles L.-- Cyclones and anticyclones of Northern Hemisphere, Jan.-April 1925, 58:1--22
- ____ Hurricane of Sept. 1930, on Atlantic coast, 58:364
- ____ Notes on West Indian hurricane of Oct. 14-13, 1924, 52:497--98
- ____ Relation between rate of movement of anticyclones and direction and velocity of winds aloft, 50:241--42
- ____ Snow flurries along eastern shore of Lake Michigan, 49:502--03
- ____ Tornadoes of March 28, 1920, in northeastern Illinois, [il], 48:191--93
- ____ Tropical cyclone of Sept. 18 - Oct. 4, 1929, 57:418--20
- ____ Tropical disturbance of Sept. 9-19, 1932, 60:178
- ____ Tropical disturbance of Sept. 17, 1932, 60:178

- ____ Tropical disturbances of July 1933, 61:200--01
- ____ Tropical disturbances of Sept. 1933, 61:274--76
- ____ Tropical storm of Aug. 30-Sept. 15, 1932, 60:177--78
- ____ Tropical storm of Oct. 20-Nov. 13, 1932, 60:222
- ____ West Indian hurricane of Sept. 14-22, 1926, 54:409--14
- ____ West Indian hurricane of Sept. 10-20, 1928, 56:347--50
- ____ West Indian hurricanes and other tropical cyclones of North Atlantic Ocean, Suppl. 24; 60:253
- ____'s paper on West Indian hurricanes, Hanzlik on, 54:342
- MITCHELL, F.C.-- Evaporation of ice, 34:526--28
- MITCHELL, Prof. S.A.-- Origin of rare gases in earth's atmosphere, 31:600
- ____ Pressure of sunlight and some of its bearings on astronomy and meteorology, 32:217--20
- ____ Systematic observation of meteors, 43:263
- MITCHELL, W.A.-- Floods in the Ocmulgee and Oconee rivers, 36:233--34
- ____ Severe thunderstorm at Macon, Ga., 41:1146
- ____ Streamflow of Ocmulgee and Oconee rivers in Georgia, 36:233--34
- MITCHELL, W.H.-- Meteorological observations during burning of Standard Oil co., ..., 28:325--27
- MIXER, Charles a.-- 24-hour day, 37:175
- ____ River floods and melting snow, 31:173--75
- ____ Water equivalent of snow on ground, 31:173
- MIZE, Ralph C.-- Annual rise of Columbia river, 1922, 50:382--83
- ____ Annual rise of Columbia river, 1923, 51:372
- ____ Lunar rainbow at Tatoosh Island, Wash., 45:601
- ____ Violent easterly winds at Tatoosh Island, Wash., 44:352--54
- ____ Waterspouts visit Tatoosh Island, Wash., 45:601
- MOELLER, Prof. Max-- Mechanics of atmospheric air within cyclones and anticyclones, 42:265--70
- MOHN's, Prof. Henrik, atlas of Climate of Norway, 50:489
- ____'s results of Nansen's north polar work, 33:401--02
- MOLCHANOV, P.-- Ascensional rate of pilot balloons from observations at Pavlovsk, Russia, 54:8--9
- ____ Vertical distribution of air currents in different parts of cyclones and anticyclones, 50:244
- ____'s deep-sea thermograph, 54:465
- MOLIS, William P.-- Rainfall at Muscatine, Iowa, 48:354
- MOLTCHANOFF See: MOLCHANOV
- MONCHAMP, G.-- History of barometer, 27:546--47
- MONROE, Josiah-- Rainfall at Firmeza near Santiago, Cuba, 26:252
- MONSON, O.W.-- Snow survey as index to summer precipitation, 62:322--30
- MONTE, Dr. Enrique del- Climatology of Havana, Cuba, 52:540--41
- ____ Hurricane season, 31:420--21
- MONTGOMERY, Frank-- Low waters in rivers of southern Mississippi during Spring of 1910, 38:683--84
- ____ Pellahatchie meteor which passed over central Mississippi in forenoon of Oct.17, 1910, 39:16
- ____ Stream flow of Pearl and Pascagoula rivers in Mississippi, 38:1162-63

MOORE, Prof. B.-- Nitrites from nitrates by sunlight, 45:602--03
MOORE, Charles N.-- Coefficient of correlation as measure of relationship, 44:274--76
MOORE, H.H.-- Frequency of thunderstorms, 25:251--52
MOORE, Henry L.-- Eight-year cycle in rainfall, 50:357
MOORE, W.A., and D. CORLETT-- Analysis of Summer precipitation at Mt. Vernon, Ia., 49:612--13
MOORE's, Willis L., letter on fake rainmaking, 33:152--53
_____'s letter on hurricane forecasters, 33:317
_____'s letter to voluntary observers, 23:255
_____'s letter on yellow fever, 25:445
MORAN, J.-- Release of radium emanation from water at different temperatures, 45:443
MOREY, H.F.-- Climatological charts for Allegheny Forest region, 59:18--28
MORITZ's thermometer, May 1877:11
MORRILL, Prof. Park- Reduction of barometric pressure to sea level, 23:492--94
_____, published works of, 26:356--57
MORRIS, Fred-- Austin tornado of May 4, 1922, [il], 50:251--53
MORRIS, William G.-- Lightning storms and fires on national forests of Oregon and Washington, 62:370--75
_____. Unusual thunderstorm activity in mountains of Oregon and Washington in 1935, 63:348--49
MORRISON, J.H.-- St. Swithin's day fallacy, 35:274--76
MORROW, Josiah-- Indian Summer, 39:469--70
MOSELY, E.L.-- Currents in Sandusky Bay, 31:236
_____. Local peculiarities of snowfall, 31:25
_____. Meteor of Sept. 15, 1902, 32:172--74
MOSSMAN, Robert C.-- Scottish Antarctic expedition, 31:31
_____. Seesaw of pressure, temperature, and wind velocity between Weddell Sea and Ross Sea, 44:13
_____. Southern hemisphere decadal and mean monthly annual rainfall, 48:41
_____. presentation of Royal Society of Edinburgh prize to, 46:237
_____'s "Physical condition of South Atlantic during Summer", Clayton's review of, 50:590
MOUREAUX, T.-- Application of salts of radium to study of atmospheric electricity, 32:164--65
MOYE, N.-- Scintillation of stars and forecasting of weather, 47:740
MOYER, S.L.-- Approach to run-off expectancy, 52:536--38
MOYLE, Dan, and C.A. ALLEN's flight over northwestern Pacific, 59:364
MUELLER's, Fred W., cloud camera, [il], 43:274--75
MUENTZ, A.-- Analysis of air, 25:62
MULDER, Dr. M.E.-- Green ray, 50:490
MUNGER, Thornton T.-- Graphic method of representing and comparing drought intensities, 44:642--43
_____. Rainfall probability during fire season in western Washington and Oregon, 53:394--97
MUNN, Hans Jr.-- Hydrography of South Palouse river, Wash., 37:966--68
MUNNS, Edward N.-- Climatic phenomena, 50:477--81
_____. Cumulus over fire, 43:445
_____. Evaporation and forest fires, 49:149--52
MUNSON's, T.V., account of display of atmospheric electricity, 13:103--04

_____ Relation of water level of Great Salt Lake to precipitation, 29:22--23
_____ Water supply and snowfall, Utah, 28:497--98
MURPHY, John J.-- Waterspout over Chesapeake Bay, Sept. 12, 1934, 62:351
MURPHY, Robert C.-- Recent oceanic phenomena along coast of South America, 53:116--17
MUSSCHENBROEK's theory of kite, 25:59
MYERS, Fred-- Lightning from clear sky, Jan. 20, 1931, 59:39--40
MYERS, U.G.-- Observations in Klondike, 26:209
_____ Yukon weather, 29:309--11

NAGLER, Prof. Floyd A.-- Certain flood-flow phenomena of Iowa rivers, 61:5--7
 _____ and S.M. WOODWARD's paper on flood protection, 56:372--73

NAKAMURA, A.-- Detection of seismic zones by means of barometric gradient, 43:360

NAKAMURA, Prof. Katsuji-- Observations of horizontal rainbows, 42:430--31
 _____, retirement of, 48:716

NAKAMURA, Saemontaro-- Notes on horizontal rainbow, 45:4

NAKAMURA, Winters T.-- Studies of Hawaiian rainfall, 63:188--89
 _____ Study of variation in annual rainfall of Oahu Island based on law of probabilities, 61:354--60

NAKANO, H., and S. FUJIWHARA-- Notes on iridescent clouds, 48:333

NANSEN, Prof. Fridtjof-- Changes in oceanic and atmospheric temperatures..., 46:177--78
 _____'s North Polar Expedition, results fo, 33:401

NAVARRETE, Julio B.-- Caracoles meteorological station and its importance., 56:312--13
 _____ Climatological summary for Chile, Nov.-Dec. 1930, 59:40
 _____ Cold pole of South America, 61:302
 _____ Meteorological conditions on Santiago-Buenos Aires airway, 58:444--46
 _____ Meteorological study of Antarctic region..., 56:174--76
 _____ Meteorological summary for 1925 in South America, 53:27, 120--21, 22-23, 263-64, 315, 359-60, 400, 450, 498, 542
 _____ Meteorological summary for southern South America, 1926, 54:62, 11, 169, 210, 262, 300, 345, 386, 429, 467, 508
 _____ Meteorological summary for Chile, 1929-30, 48:26, 68, 119, 165, 210--11, 334, 424, 468
 _____ Meteorological summary for southern South America, 1926-27, 55:25, 82, 133, 187, 239, 328, 365, 462, 500, 533
 _____ Meteorological summary for southern South America, 1928, 56:16, 1-7, 145, 190, 229--30, 282, 323--24, 374, 468
 _____ Meteorological summary for southern South America, 1928-29, 57:25, 67, 103, 209, 257, 298, 344, 429, 513
 _____ New equipment for Observatorio del Salto, 57:103
 _____ Organization of meteorological and aerological services relative to aviation in Chile, 61:45--46
 _____ Solar radiation and rainfall in southern region of Chile, 55:272
 _____ Solar radiation and temperature in central Chile, 54:507

NEAL, Dr. J.C.-- Tornado cloud of March 4, 1894, 22:127--28

NEIFERT, Willliam W.-- Installation of automatic river GAGE? register at Hartford, Conn., [I], 36:340--42

NELSON, Raymond A.-- Concussions from naval gunfiring felt at Los Angeles, 50:312

NEUMAYER, Prof. George, retirement of, 31:382

NEUMER, Otto-- Cumulus cloud over fire, 48:458
 _____ Local storm at Aberdeen Proving Ground, Md., July 6, 1919, 47:448--49

NEWCOMB, Prof. Simon-- Meteorology of Mars, 36:342--43
 _____'s statements on weather changes, 29:377; 30:127--29

NEWELL's, F.H., letter on rainfall maps, 30:225--26

NEWNHAM, E.V.-- Persistence of wet and dry weather, 44:393
 _____'s "Hurricanes and tropical revolving storms", Henry's review of, 50:631

NICHOLS, E.H.-- Atmospheric electrical variations at sunset and sunrise, 44:507

NICHOLS, Prof. Edward L.-- Study of overcast skies, 37:18--21
____ Theories of color of sky, 37:15--17

NICHOLS, Esek S.-- Classification of weather types, 53:431--4
____ Climate of San Jose, Cal., 51:509--15
____ Damage by frost in western Colorado, 41:608
____ Effects of erection of new and high buildings on records of wind velocity..., [il],
38:1471--76
____ Frequencies of monthly and seasonal rainfalls of various depths at San Jose, Cal., 51:459
____ Frequencies of weather types at San Jose, Cal., 55:403--05
____ Notes on damage to fruit by low temperatures; prediction of minimum temperatures,
Suppl. 16:37--45
____ Notes on formulas for use in forecasting minimum temperature, 54:499--501
____ Predicting minimum temperature, especially as function of preceding temperature,
58:179--89
____ Predicting minimum temperatures in Grand Valley, Colo., 43:562--63
____ Probability of certain minimum temperatures in Santa Clara Valley, Cal., in Spring,
52:253--57
____ Temperature inversion in Grand River Valley, Colo., 43:562--63
____ Time limits of day as affecting records of minimum temperature, 62:337--43
____ 's discussion of Fedorov's "Das Klima als Wettergesamtheit", 55:402--03
____ 's discussion of Hamrick's "Fruit-frost work in Grand Valley of Colorado", 49:552--53

NICHOLS, Lieut.-Col. Estes-- Climate and its relation to acute respiratory conditions,
48:499--501

NICHOLS', L.H., paper on meteorological and forest fire hazards in Quebec, Burrill on, 57:297

NIPHER, Prof. Francis E.-- Aurora of Aug. 26, 1916, Observed at Hessel, Mich., 45:5
____ Phenomenon of lightning discharge, 39:119

NISS', Capt. R., letter on aurora of May 15-16, 1909, 37:156

NIVEN, Prof. Charles, retirement of, 50:313

NOBLE, Andrew-- Development of meteorology in Australia, 33:480--84
____ Dust in atmosphere during 1902-03, 32:364--65
____ Tornado in Australia, 34:227--28

NOLL, Waldemar-- Determination of meteorological corrections on ranges on guns, 47:868--69
____ Wind shift in lower three kilometers of atmosphere on passage of high, 47:465

NORBURY, Frank P.-- Unique destruction of tulip tree by lightning, [il], 55:268

NORDMANN, Charles-- Periodicity of sun spots and variations of mean annual temperatures...,
31:371

NORMAND, C.W.B.-- Dust-raising winds, 50:369
____ Effect of high temperature, humidity, and wind on human body, 48:279
____ Meteorological conditions affecting aviation in Mesopotamia, 48:279

NORRINGTON, William-- Notable hailstorm on July 5, 1891, 52:349

NORTON, Grady-- New Orleans, La., tornado of March 26, 1934, 62:96--97

NOUEL's, E., theory of hoar frost, May 1879:15--16

NOVAKOVSKY, S.-- Probable effect of climate of Russian Far East on human life and activity,
50:429

NOWOTNY, Dr. Friedrich-- Meteorological aspects of munition-dump explosion at Kiev, June
6, 1918, 48:458--59

NOYES, G. Harold-- Cleveland, Ohio, storm, June 26, 1931, 59:241--43
____ Lightning on kite wire, 26:170

NUNN, Roscoe-- Drought of 1913 in Tennessee, 41:1453--54
____ Duration of rainfall at Baltimore, Md., 57:50--52
____ Hourly precipitation at Nashville, Tenn., 50:180--84
____ January thaw, 55:20--21
____ Record of dry spells at Nashville, Tenn., 1871-1925, 53:398
____ Records of tornadoes in Tennessee, 1808-1921, 50:485-86
____ Tornado of April 20, 1920, in Tennessee, 48:210
____ Wind directions and orientation of schoolhouses, 51:125--27
____ Wind directions and velocities, Nashville, Tenn., 52:266--67

NUTTING, P.G.-- Stormer's work on physics of aurora, 36:112-13

OBERHOLZER, G.A.-- Tornado of June 6, 1906, near La Crosse, Wis., 34:274
 O'BRIEN, J.C.-- Naval meteorology during seaplane flights from San Diego to Balboa, 49:153
 OCKERSON, J.A.-- United States Weather Bureau in work of engineer, 37:1060
 O'CONNELL, James-- Optical phenomenon at Mt. Sterling, 23:14
 O'CONNOR, Gerald J.-- Visit to European observatories, 33:540--42
 ODDO, G.-- Spontaneous ionization of aqueous vapor of atmosphere, 44:247
 ODELL, Clarence B.-- Influences of Lake Michigan on east and west shore climates, 59:405--10
 ODENBACH, Dr. Frederick L-- Detailed cloud observations--progressive phase in weather forecasting, 31:573--76
 _____ Halo of Hevelius, 29:566--67
 _____ Index of meteorological items in Jesuit relations, 32:461
 _____ Lunar halo of Jan. 30, 1904, 32:14--15
 _____ Moon's influence on weather, 31:284
 _____ Some temperatures taken on Lakes Huron and Superior in July and Aug., 1904, 33:154
 O'DONNELL, J.J.-- Tornado of Jan. 12, 1898 at Fort Smith, Ark., 26:18--19
 O'GARA, P.J.-- Frost prevention work in Rogue river valley, Ore., during Spring of 1910, 38:1437--40
 _____ Portable rotation psychrometer, [il], 37:22
 OKADA, T.-- Elementary method of driving deflecting force due to earth's rotation, 36:147--48
 _____ Long-range forecasts of Japan's rice crop, 48:102--03
 _____ Note on diurnal heat exchange in layer of snow on ground, 35:450--52
 _____ Notes on formation of glazed frost, 42:284--86
 _____ Rainfall of China and Korea, 33:477--80
 _____ Some researches in Far Eastern seasonal correlations, 44:17--21; 45:238--40, 299--300, 535--38
 OLIVER, Alfred R.-- Gothenburg, Nebr., tornadoes June 24, 1930, [il], 59:225--29
 OLIVIER, Prof. Charles P.-- American Meteor Society, 42:623
 _____ Directions for observing meteors, 43:263-64
 _____ Pennsylvania fireball of Feb. 27, 1935, [il], 63:158--59
 _____ Real velocities of meteors, 46:166
 _____ Work of American Meteor Society, 1914--15, 44:326
 _____ and S. BUNCH-- Tennessee fireball of Aug. 21, 1933, 49:134--35
 OTOBE, Kokichi-- Demonstration of horizontal and intersecting rainbows, 45:5
 _____ Equation of horizontal rainbows, 45:151
 OUTROM, Thomas S.-- Storm of Aug. 20, 1904, in Minnesota, 32:365--66
 OWENS, J.S.-- London smoke fogs, 49:405
 OXAAL, John-- Is there an auroral sound?, 42:27--29

- QUAYLE, E.T.-- Cirrus directions at Melbourne and storms affecting Victoria, 44:81--82
____ Graphical method of showing daily weather, 44:460
____ Increasing runoff from Avoca basin, 53:263
- QUENNEL, Winnifred, and C.E.P. BROOKS-- Classification of monthly charts of pressure anomaly..., 56:511
____ and C.E.P. BROOKS' memoir on influence of Arctic ice on subsequent distribution of pressure, Henry's review of, 57:99--102
- QUERVAIN, Dr. A. de-- Determination of path of sounding balloon ..., 33:258--59
____ Meteorology of Greenland's inland ice and its foehn, 45:601
____ Proposal that pilot balloons be more generally used in making meteorological observations, 35:454--56
____ Tables for barometric computation of altitudes, 33:259
- QUIN, John T.-- Barometric disturbance in Danish West Indies, Nov. 22--20, 1903, 31:534--36
____ Hurricane in West Indies in March 1908, 36:136--37
____ Movements of high clouds in West Indies, 32:309--11
____ Relation fo movements of high clouds to cyclones in West Indies, 35:215--18, 510--11; 37:134--41
____ West Indian storm, 32:117

RABOT, Charles-- Glacial catastrophes in valley of Chamonix in seventeenth century..., 48:534
 _____ Progressive desiccation of colony of Senegal, 48:32

RAFINESQUE, Prof. C. S. - Atmospheric dust, 28: 291-92

RAFTER's George, W., letter on rainfall maps, 30: 230-232

RALPH, George A. - Reclamation of Minnesota wastelands, 38: 718-20

RALSTON, J. C. - Review of Spokane River hydroelectric power plants, [il], 38: 1280-84

RAMANATHAN, K. R. - Stratosphere over North India, 57: 64-65

RAMBAY, Walter G. - Rainfall at Honolulu in relation to barometric pressure ..., 54: 6-7

RAMSAY's, William, measurement of saturated vapor pressure, 37: 5

RAMSEY, R. R. - Variation of emanation content of springs, 44: 247

RANDALL, Capt. F. G. - Waterspouts in Strait of Malacca, [il], 57: 249-50

RANDOLPH, Fred J., and F. L. FRANCIS - Thomas Jefferson as meteorologist, [il]. 23: 456-58

RANGE, Paul - daily temperature variations at surface of ground in hot arid climates, 49: 274-76

RANSOM, Moses Y. - Establishment of meteorological station in Tierra del Fuego, 25: 493

RAO, B. S., and F. L. USHER - Determination of ozone and nitrogen oxides in southern India, 46:25

RAO's, P. R. Krishna, paper on distribution of temperature in lower atmosphere, Samuels on, 58: 377

RAUSCH, Fred W. - Movement of thunderstorms against wind, 23: 383

RAVENSTEIN, Dr. E. G. - Charts of atmospheric humidity, 29: 118-19

RAY, C. L. --Average free-air winds at Lansing, Mich., 50: 642-45; 53: 16-20
 _____, Diurnal variations of rainfall at San Juan, P. R., 56: 140-41
 _____, Evaporation in eastern Caribbean, 59: 192-94
 _____, Forecasting precipitation from local data, 54: 372-74
 _____, Free-air winds at San Juan, P. R., 59: 414-16
 _____, Hourly rainfall probabilities at Lansing, Mich., 53: 256-58
 _____, Hourly rainfall probabilities at Sault Ste. Marie, Mich., 55: 323-25
 _____, Long range forecasts in Puerto Rico, 62: 235-40
 _____, North Atlantic trade winds, 61: 261-64
 _____, Rainfall persistency at San Juan, P. R., 57: 184-185
 _____, Relation of tropical cyclone frequency to summer pressures and ocean surface-water temperatures, 63: 10-12
 _____, Wet and dry periods in Puerto Rico, 1899-1932, 61: 222-23

RAYLEIGH, Lord - Aeolian tones, 43: 511
 _____, Aurora line in spectrum of night sky, 50: 257
 _____, Blue sky and optical properties of air, 48: 353
 _____, Color of night sky, 48: 468
 _____, Dynamics of revolving fluids, 45: 413-14
 _____, Photographic spectrum of aurora of May 13-15, 1921, and laboratory studies in connection with it, 50: 255
 _____, Propagation of sound and light in irregular atmosphere, 48: 163
 _____, Resistance of small plates in streams of fluid, 43: 512
 _____, Traveling cyclone, 47: 644

READ, R. S. - Douglas on aspects of surfaces of discontinuity, 57: 512-13

REBOUL, G., and L. DUNOYER - Diurnal variation of wind with height, 46: 211
 _____, and L. DUNOYER - Forecasting problem, 49: 352

- _____, and L. DUNOYER - Influence of seasons and winds aloft on variations of atmospheric pressure, 47: 735
- _____, and L. DUNOYER - Use of cirrus in forecasting of weather, 48: 156
- _____, and L. DUNOYER - Wind circulation as basis for forecasting location of pressure areas, 48: 221
- REDDICK, Donald - Weather and plant pathologist, 38: 4
- REDDING, R. J. - Temperature of water in wells, 29: 510-11
- REDWAY, Jacques W. - Effect of "lid" on temperature and transparency of lower air, 47: 880
- _____, Urban versus suburban temperatures, 47: 28-29
- REED, Charles D. - Drought at New York City, 42: 629-31
- _____, Floods of upper Missouri River, 36: 204; 39: 877-79
- _____, Forecasting for farmer, 28: 287-88
- _____, Hail, damage in Iowa, 59: 229-30
- _____, Heavy rainstorms of 1913 at New York City, 41: 1466-67
- _____, Maximum precipitation in short periods of time, 58: 294
- _____, Monthly forecasts by correlation, 53: 249-51
- _____, Persistent weather abnormality, 61; 109-12
- _____, Relation of June temperature to maturing of corn in Iowa, 61: 43-44
- _____, Secular trend of Iowa precipitation, 58: 139-42
- _____, Snow rollers, [il], 60: 252
- _____, Storm of Feb. 22, 1912, at New York City, 40: 165
- _____, Weather and corn maturity in Iowa, 55: 485-88
- REED, Thomas R. - Annual rise of Columbia River, 1913, 41: 1103-04
- _____, Average pressures for oceanic areas computed from daily synoptic charts, 54: 1-2
- _____, Aviation weather hazards, 58: 231-34
- _____, Gap winds of Strait of Juan de Fuca, 59: 373-76
- _____, Meteorological aspects of San Francisco- Hawaii airplane flight, 53: 384-87
- _____, North American high-level anticyclone, 61: 321-25
- _____, Rain-bearing winds in far western states, 55: 228-33
- _____, Some aspects of free-air winds in Far West, 61: 42-43
- _____, Some meteorological observations of bombing pilot in France, 48: 216-17
- _____, Weather types of northeast Pacific ocean as related to weather of North Pacific coast, 60: 246-52
- REED, Wesley W. - Annual precipitation of Padua, Italy, 1901-33, 62: 250
- _____, Climatological data for Central America, 51: 133-41
- _____, Climatological data for northern and western tropical South America, Suppl. 31
- _____, Climatological data for southern South America, Suppl. 32
- _____, Climatological data for tropical islands of Pacific Ocean, Suppl. 28
- _____, Climatological data for West Indian islands, 54: 133-60
- _____, Probability of rain in Summer at Atlanta, Ga., 47: 734
- _____'s paper on climatological data for tropical islands of Pacific, 55: 132
- _____'s review of Franze's "Precipitation in South America", 55: 364
- REED, William F., Jr. - Hurricane of July 5, 1916, at Pensacola, Fla., 44: 400-02
- _____, Severe hailstorm at Pensacola, Fla., 34: 122
- _____, Small hurricane of Aug. 11-12, 1911, at Pensacola, Fla., 39: 1149-50

- _____, Thunderstorm of March 11, 1912, at Pensacola, Fla., 40: 336
- _____, Tornado of April 14, 1905, near Pensacola, Fla., 33: 156
- _____, Tornado of April 5, 1907, in Escambia county, Fla., 35: 160-61
- REED, Dr. William G. - Cyclonic distribution of rainfall in United States, 39: 1609-15
- _____, Fog as source of water supply, 44: 288
- _____, Frost and growing season, 46: 516-17
- _____, Indian summer and Plimsoll's mark, 44: 575
- _____, Japan current and climate of California, 42: 100-01
- _____, Lawn sprinkler and thermograph, [il], 46: 281-282
- _____, Meteorology at Lick Observatory, [il], 42: 339-45
- _____, Note on effects of rain gage exposure, 43: 318-22
- _____, Practical hint in forecasting minimum temperatures, 45: 590
- _____, Probable growing season, 44: 509-12
- _____, Rainfall of Berkeley, Cal., 41: 625-27
- _____, Rainfall data of Berkeley, Cal., 44: 123-27
- _____, Report of meteorological station at Berkeley, Cal., for year ending June 30, 1913.
42: 164-66
- _____, Report of meteorological station at Berkeley, Cal., for year ending June 30, 1914,
44: 202-04
- _____, Report of meteorological station at Berkeley, Cal., for year ending June 1915, 45: 61-67
- _____, Skew frequency curve applied to stream gage data, 45: 128-29
- _____, Variations in rainfall in California, 41: 1785-90
- _____, Weather insurance, 44: 575-80
- _____ and C. L. FELDKAMP - Selected bibliography of frost in United States, 43: 512-17
- _____, and J. B. KINCER - Preparation of precipitation charts, 45: 233-35
- _____ and M. LOX - Water resources of Strawberry Creek, Berkeley, Cal., 43: 35-39
- _____, W. J. SPILLMAN, and H. R. TOLLEY - Average interval curve and application to
meteorological phenomena, 44: 197-200
- _____ and H. R. TOLLEY - Weather as business risk in farming, 44: 354-55
- REEDER, George - Are springs colder now?, 38: 1834-38
- _____, Aurelia alto-cumulus cloud, [il], 43: 614-15
- _____, Climatological calendar for Columbia, Mo., 51: 25-28
- _____, Drought of spring and summer of 1913 at Columbia, Mo., 41: 1440
- _____, Ground temperatures compared with air temperatures in shelters, 48: 637-39
- _____, Observations of halos at Columbia, Mo., 35: 212-13
- _____, Relationship between cirrus movements from easterly points ..., 47: 711-15
- _____, Seasons and mean daily minimum at Mexico, Mo., 37: 241-44
- _____, Tornado in southwest Missouri, June 15, 1912, 40: 875-76
- _____, Tornadoes in Missouri, 37: 225
- REFSDAL, A. - Precipitation from air in moist-labile equilibrium, 58: 467
- REGER, J. - Temperatures in higher layers of stratosphere over Lindenberg, 59: 240
- REGNAULT's measurement of saturated vapor pressure, 37: 3
- REICHEL, E., and K. KNOGH's paper on distribution and annual march of precipitation in
Alps, 58: 499
- REICHELDERFER, Francis W. - Forecasting thunderstorms by means of static electricity,
49: 152-53

_____, Meteorological problems of rigid airships, 56: 142
_____, Present meteorological needs of aeronautics, 53: 259
REICHEL, C. A. - Lunar total eclipse of Dec. 27-28, 1917, at Honolulu, 45: 575-76
_____, Notes on cumulus cloud formed over fire, [il], 47: 144
RETHLY, Dr. Antony - Fata morgana on Magyhortobagy, [il], 51: 312-13
_____, Hailstones observed at Budapest, July 13, 1922, [il], 52: 206
_____, REUSSER, H. W. - Light pillars at Berne, Ind., 42: 616
REYNOLDS, M. R. - Open roads all winter - definite snow removal program in northern and eastern states, 49: 28
RHEES, William J. - Franklin Kite Club, 24: 416
RHOADES, Verne - Ice storms in southern Appalachia, 46: 373-74
RIBBLE, Harry, and P. Bowman - Substances in rains and snows, 54: 424
RICE, Capt. - Waterspout of Feb. 18, 1900. 28: 115
RICE, O. F. - Movements of winds and clouds in Minnesota, 25: 252
RICE, Roger C. - Relation between rainfall and run-off in Hillebrand Glen ..., [il], 45: 178-81
RICHARD's anemometer, indications of, variation of, with inclination of wind, Brazier on, 49: 25-26
_____'s precision barograph, Marvin on, [il], 34: 324-25
_____'s self-registering barometer, [il], 16: 49
_____'s self-registering thermometer, [il], 16: 49-50
RICHARDS, E. H., and E. J. RUSSELL - Amount and composition of rain falling at Rothamsted, 49: 159
RICHARDS, George W. - Movement of thunderstorms against wind, 23: 423-24
_____, Upper clouds and weather changes, 26: 106-07
_____, and C. ABBE - Form for record of cloud observations, 26: 456-57
RICHARDS, Gragg - Rainfall of Florida, 55: 80-81
RICHARDSON, Burt - Solar radiation at Scripps Institution, La Jolla, Cal., 1928-34, 63: 92-93
RICHARDSON, Chester - Australian droughts, 47: 860
_____, King Island weather: seasonal abnormalities in southern Australia, 46: 513-14
RICHARDSON, Edgar - Rain gushes in thunderstorms, 25: 303-04
RICHARDSON, H. W. - Composite and other arrangements of weather types, 31: 68-70
_____, Relations of U. S. Weather Bureau to railroad man, 35: 259-60
_____, Temperatures at Duluth, Minn., 27: 463-64
RICHARDSON, Lewis F. - Atmospheric stirring measured by precipitation, 47: 706-07
_____, Measurement of water in clouds, 48: 334
_____'s "Weather prediction by numerical process", Woolard on, 50: 72-74
RIDGWAY, Charles S. - Promising chemical photometer for plant physiological research, 46: 117-19
RIDGWAY, Frank - Floods in Ohio and central Mississippi rivers, 26: 92
RIDGWAY, Joseph Jr. - Hurricane of Sept. 6, 1897, 25: 394
RIGGE, William F. - Cloud phenomenon at Omaha, Neb., 32: 560
_____, Solar eclipse of Aug. 30, 1905, as visible in United States, 33: 103
_____, Time of moonrise and moonset, 34: 20-22
RILEY, John A. - Ceiling and visibility in southeastern United States, 58: 199-201
_____, Cloud dissipated by kite, 51: 400
_____, Free-air conditions in northeast Oklahoma favorable to local precipitation, 56: 17

_____, National elimination balloon race from Little Rock, Ark., 54: 165-67

_____, Sandstorms in Texas, [il], 59: 30-31

_____, Wind factor and air mail southward from Kansas City, 54: 10-13

_____, Winds of Oklahoma and east Texas, 51: 448-53

RINNE, Prof. F. - Structure of hailstones, 25: 352-53

RITTER, William E., and G. F. McEWEN - Ocean temperatures and seasonal weather in southern California, 46: 512

RIXFORD, G. P., - Preserving mamme caprifigs from frost, 40: 936-37

RIZER, H. C., - Altitude of Mt. Whitney, Cal., 33: 407

ROBB, Andrew D. - Critical period of corn in northeastern Kansas, 62: 286-89

_____, Surprising decrease in rainfall at critical period for corn, 62: 89-90

ROBERTS, Dr. Luke - Optical phenomena at Clinton, Ia., 23: 14

ROBERTS, Thomas P. - Comments on Prof. Swain's article on floods and forests, 38: 496-98

ROBINS, M. V. - Tornado at Council Bluffs, Ia., Sept. 28, 1923: 51: 466

ROBINSON, Jesse H. - Telegraph service with West Indies, 26: 410

ROBINSON anemometer, indications of, variation of, with inclination of wind, Brazier on, 49: 25-26

_____, Schreber on, 43: 341-42

ROBITZCH, M. - Ground surface temperatures as dependent on insolation ..., 51: 406-07

ROCH, F. - Dustfall in Idaho, 36: 103

ROCKIE, W. A. - Serious erosion caused by heavy rain of July 30, 1931, near Colfax, Wash., [il], 60: 22-23

RODMAN, Samuel and Thomas R. - Temperature observed at New Bedford, Mass., 19: 126

ROGERS, G. O.- Local storms on west coast of Mexico, 22: 510

ROLF, B. - Condensation upon and evaporation from snow surface, 43: 466

RONALDS, Sir Francis - Kite experiments at Kew Observatory, 24: 416-17

ROOT, Clarence J. - Are seasons changing?, 49: 24

_____, Are we having less snowfall?, 51: 355-56

_____, City planning and prevailing winds, 51: 309-10

_____, Cooperative observer, 58: 451-53

_____, Distribution of climatological stations, 48: 714

_____, Draining American Bottoms, 39: 698

_____, Glaze storm of Dec. 17-18, 1924, in Illinois, [il], 52: 585

_____, Ice storm in Illinois, 40: 373-74; 41: 221

_____, Illinois tornado of April 19, 1927, 55: 175-76

_____, local storms in July 1912, 40: 1029

_____, Note on local storms in Illinois on Nov. 12, 1912, 40: 1659

_____, Progress of work - drainage of American Bottoms, 40: 864

_____, Relation of snowfall to yield of winter wheat, 47: 700

_____, Severe hailstorm at Springfield, Ill., May 1, 1929, 57: 208

_____, Some outstanding tornadoes, 54: 58-60

_____, Storm of Sept. 13, 1911, 39: 1351-52

_____, Storm of Nov. 11-12, 1911, in Illinois, 39: 1683

_____, Storms in Illinois - March 1913, 41: 383

_____, Storms of March 11-12, 1923, in Illinois, 51: 131-32

_____, Tornadic storms in Illinois, 40: 540

_____, Tornado clouds, 52: 542
 _____, Tornadoes of April 16-17, 1922, in Illinois, 50: 186
 _____, Weather Bureau station at Charles City, Ia., 32: 518
 _____, Weather elements affecting 1924 winter wheat crop in Illinois, 52: 499
 ROSCHKOTT, A. - Temperature regime in caverns, 49: 262
 ROSENTHAL, Elmar - Meteorological work of University of Jurjev, Russia, 36: 297-99
 ROSSBY, Carl G. - Convection in free atmosphere and over heated surface, 55: 1-5
 _____, Mass exchange in free air and related phenomena, 55: 186
 _____, Solution of problems of atmospheric motion by means of model experiments, 54: 237-40
 _____, Theory of atmospheric turbulence - historical resume and outlook, 55: 6-10
 _____, Vertical distribution of atmospheric eddy energy, 54: 321-32
 _____ and R. H. WEIGHTMAN - Application of polar-front theory to series of American weather maps, 54: 485-96
 _____, Warm stratum in atmosphere, 36: 131
 _____ and A. H. PALMER's "Charts of Atmosphere", McAdie's review of, 39: 1446-47
 ROTHE, E. - Electric-oscillation anemometer, 49: 25
 _____'s "Cours de Physique", 3rd part, review of, 57: 65
 ROUCH, J. - Ascensional rate of pilot balloons, 47: 451-52
 _____, Diurnal variation of temperature in Antarctic, 48: 600
 _____, Diurnal variation of wind velocity in free-air, 47: 708-09
 _____, Free-air winds at Bayonne, 50: 244-45
 _____, Inversions of temperature in lower layers of atmosphere in Antarctic, 48: 534
 _____, Land and sea breezes at Bayonne, France, 47: 415-16
 _____, Monsoons of Tunis, 47: 809
 _____, Velocity of wind in stratosphere, 47: 575
 ROTCH, A. Lawrence - Aerial voyages by balloons and kites, 28: 553-54
 _____, Circulation of atmosphere in tropical and equatorial regions, 30: 181-83
 _____, Cloud observations and measurements at Blue Hill Meteorological Observatory, 25:12-13
 _____, Eighth general meeting of German Meteorological Society, 26: 160
 _____, First use of word "Barometer", 31: 142
 _____, Highest balloon ascension in North America, 37: 199
 _____, International aeronautical conference, 26: 158-60
 _____, International aeronautical conference of Oct. 1906, at Milan, 35: 181-82
 _____, International aeronautical congress at Berlin, 30: 356-62
 _____, International Hydrological, Climatological, and Geological Congress at Clermont-Ferrand, 24: 367
 _____, International meteorological conference at Paris, Sept. 1896, 24: 365-67
 _____, Meteorological balloon ascension at Strasburg, Germany, 29: 298-99
 _____, New field for kites in meteorology, 29: 419
 _____, Progress in exploration of air with kites at Blue Hill Observatory, 26: 355-56
 _____, Rain with low temperature, 37: 21-22
 _____, Resolutions adopted at Milan conference for scientific aeronautics, 35: 210
 _____, Warm stratum in atmosphere, 36: 131
 _____ and A. H. PALMER's "Charts of Atmosphere", McAdie's review of, 39: 1446-47
 ROTHE, E. - Electric-oscillation anemometer, 49: 25
 _____'s "Cours de Physique", 3rd part, review of, 57: 65

ROUGIER, G., and A. DANJON - Spectrum and theory of green flash, 48: 659
ROUILLIARD, A. - Barogram near hurricane center, 24: 336
ROUNTHWAITE, G. R. - Clouds on Cucamonga Mountains, [il], 31: 522-24
ROY, S. C., and G. CHATTERJI - Origin of nor'westers, 57: 428
____ and G. CHATTERJI - Probable origin of cold wave in India, Feb. 1929, 57: 385
ROZSA, M. - Physical conditions of accumulation of sun's heat in salt seas, 43: 510
RUBINSTEIN, E. - Concerning a method for determination of periods, 50: 592-93
____, Lowest temperature on Earth, 57: 513
____'s atlas of U. S. S. R. climate, Brooks' review of, 59: 240-41
RUECKER, Prof. A. W. - Dust storms and red rain, 29: 120-21
RUMBAUGH, W. F. - Effect of time of observation on mean temperature, 62: 375-76
RUMFORD, Count, biography of, [il], 31: 317
____'s work on meteorology, 57: 387
RUSSELL, E. J., and E. H. RICHARDS - Amount and composition of rain falling at
Rothamsted, 49: 159
RUSSELL, H. C. - Periodicity of good and bad seasons, 24: 290-92
RUSSELL's, Dr. Henry N., article on sunspots in weather prediction, 56: 189
RUSSELL, Orville E. - Storm damage at Columbus, Ohio, Jan. 26, 1932, 60: 24
RUSSELL, R. Dana, and R. J. RUSSELL - Dust storm of April 12, 1934, Baton Rouge, La.,
62: 162-63
RUSSELL, Richard J., and RUSSELL, R. D. - Dust storm of April 12, 1934, Baton Rouge, La.,
62: 162-63
RUSSELL, Prof. T. - Depth of evaporation in United States, [il], 16: 235-39
____, Differences of still and whirled psychrometers, 14: 299-300
____, Johnstown flood, 17: 117-18
____, Rain and snow from cloudless sky, 15: 314-15
RYD's, V. H., "Traveling cyclones", Woolard on, 52: 36-37
RYKATCHEFF, Gen. M. - Results of balloon ascension at St. Petersburg, May 20 - June 1,
1878, 28: 392-93
____, family, news, concerning, 51: 267

- SAGE, J. R. - Drought problem, 23: 337
_____, Probable advances in weather service, 23: 463-64
- SAGER, George V. - Climatic characteristics of Boulder dam region, 62: 181-85
_____, Deforestation and rainfall, 39: 62
- SALISBURY, George N. - Cause of low temperatures for August, 23: 296-97
_____, Curious coincidence, 31: 229
_____, Frank Plummer, 1868-1918, obituary, 46:27
_____, Henry B. Scudder, 1844-1917, obituary, 45:414
_____, Windstorm at Seattle, Wash., 41: 1105
_____'s observations on cloud banners of Mount Rainier, 34: 158
- SALTER, De Carle S. - New method of constructing average monthly rainfall maps, 49: 453
_____, Relation of rainfall to configuration, 47: 297
- SAMPAIO FERRAZ, J. de, See: FERRAZ, J. de Sampaio,
- SAMUELS, Leroy T. - Aerological observations, See: monthly issues, 1927 to date
_____, Agreement found in records of Fergusson sounding balloon meteorographs, 59: 238-39
_____, Correlation between wind velocities at surface and those in free air, 50: 83-89
_____, Meteorological conditions during formation of ice on aircraft, 60: 216-17
_____, National elimination balloon race from Indianapolis, Ind., July 4, 1923, 51: 356-58
_____, Note on deep easterly winds over middle West on Jan. 24-26, 1921, 49: 13-15
_____, Persistence of pronounced inversion above stratus clouds after latter had dissipated, 58: 209-10
_____, Rao on distribution of temperature in lower stratosphere, 58: 377
_____, Recovery of sounding-balloon meteorograph after three years and three months, 59: 200
_____, Reliability of hair hygrometers, 53: 534-36
_____, Sounding-balloon observations made at Broken Arrow, Okla., during Dec. 1929, 59: 297-309
_____, Sounding-balloon observations made at Groesbeck, Tex., during international month, Oct. 1927, 57: 231-46
_____, Sounding-balloon observations at Royal Center, Ind., during Sept. 1930, 59: 417-26
_____, Sounding-balloon observations made at Royal Center, Ind., during Feb. 1931, 60: 12-22
_____, Sounding-balloon releasing device, 59: 76
_____, Special aerological investigations during solar eclipse of Jan. 24, 1925, 53: 23
_____, Special series of sounding-balloon observations made during winter of 1927-28, 58: 235-45
_____, Special series of sounding-balloon observations made during winter of 1929-30, 62: 121-28
_____, Summary of aerological observations made in well-pronounced highs and lows, 54: 195-213
_____, Temperature distribution up to 25 kilometers over Northern Hemisphere, 57: 382
_____, Unusually dry low of March 28-29, 1928, 56: 145
_____, Washington, D. C., tornado of May 14, 1927, 55: 227
_____, W. R. GREGG, and S. P. FERGUSSON - International aerological soundings at Royal Center, Ind., 55: 293-307
_____, E. W. WOOLARD, and W. R. STEVENS - Graphical thermodynamics of free air, 54: 454-57
- SANDERS, Ellen M. - Climate of Japan and Formosa, 48: 404-08

SANDERS, Ralph - Speed record airplane flight, 58: 118

SANDO, W. J. - Critical period of wheat at College Park, Md., 49: 301

SANDSTROM, J. W. - Concerning origin and disappearance of surfaces of discontinuity..., 51: 141-42

_____, Influence of terrestrial rotation on condition of atmosphere and ocean, 42: 523-26

_____, Investigations relative to polar front, 52: 302-03

_____, Origin of wind, 161-63

_____, Working up of wind observations, 43: 547- 50

SANFORD's, Prof. Fernando, article on relation between semi-diurnal barometric variation, 57: 383

SANFORD, Morgan R. - Hourly precipitation at Syracuse, N. Y., 51: 395-96

_____, Tornado near Syracuse, N. Y., 40: 1333

SAPPER, Karl - Rainfall in Guatemala and Salvador in years 1908-1920, 49: 542-43

SARASOLA, Rev. Simon - Investigations of forecasts of barometric variations, 43: 611

_____, Is there an antitrade wind in equatorial regions, 51: 643-45

SARGENT's, Prof. C. S., letter on relation between forests and rainfall, 30: 227

SARTZ, R. S. N. - Norway's contribution to natural sciences, 33: 539-40

SATO, S. - Diurnal variation of underground temperature, 44: 288

SAYLES, Robert W. - Seasonal deposition in aqueo-glacial sediments, 48: 660

SCARR, James H. - Dignity of service, 32: 413-14

SCHAEBERLE's, J. M., work on cosmic relations of atmosphere, 34: 160

Schaffer, J. W. - Solar halo of Feb. 4, 1904, at Milwaukee, Wis., 32: 66-67

SCHEEL's measurement of saturated vapor pressure, 37: 5

SCHEINER, Dr. J. - Researches on solar constant and temperature of sun, 37: 65

SCHERER, Prof. T. - Earthquake of Dec. 29, 1897, at Port au Prince, Haiti, 26: 169

SCHERING, Dr. H. - Green ray at sunset, 33: 408-09

SCHIDLÖF, A. - Evaporation and adsorption, 45: 413

____ and A. KARPOWICZ - Evaporation of mercury droplets suspended in gas, 45: 413

SCHIPPS, Rev. K. - Observation of halo phenomena, 25: 294-96

SCHLOMER, W. B. - Tornado at Cincinnati, O., Jan. 19, 1928, 56: 15

SCHMID, F. - Nature of zodiacal light, 43: 316

SCHMIDT, Wilhelm - Daily course of temperature in lower air, 49: 276

_____, Is atmosphere warmed by convection from earth's surface? 50: 490

_____, Kron on extinction of light in terrestrial atmosphere in region of ultra-violet, 42: 653-54

_____, Temperature measurements about windbreak, 48: 39

_____, Thunder, 42: 665-71

____ and E. BREZINA - Relations between weather and mental and physical condition of man ..., 49: 293-94

SCHNEIDER, C. F. - Destructive storms in Michigan, 37: 209

_____, Floods of Feb. 1911, in Grand and Saginaw river valleys, 39: 197

_____, Floods in Michigan, Spring of 1912, 40: 530-31

_____, Topography and rivers of lower Michigan, 38: 41-42

_____, Tornado at Grand Rapids, Mich., 40: 1019-20

_____, Tornado near Howard City, Mich., 39: 688

SCHNEIDER, Leonard R. - Greenland west-coast foehns: discussion based on foehns of Jan. 1929, 58: 135-38

____, Investigations of "Vega", summer 1929, 58: 161
 ____, Meteorological investigations in Greenland during 1930-31, 59: 118-20, 201-202
 ____, Observing weather at Mt. Evans, Greenland, 59: 118-20
 ____, Swedish expedition to North Atlantic Gulf Stream, 58: 413
 ____, Swedish-Norwegian Northeastland expedition, 59: 201-02
 SCHOFIELD, Lieut. Frank H. - Remarkable meteors, 32: 115
 SCHOKALSKY, Dr. Jules de - Lake Ladoga from thermic point of view, 29: 63-64
 ____'s appreciation of Frankenfield, 57: 472
 SCHOLL, John C. - Relation between visibility restrictions and auto mishaps in Greensboro, N. C., 62: 453-54
 ____, Statistical analysis of fogs at Greensboro, N. C., airport, 62: 159-62
 SCHOTT, Charles A. - Rainfall charts, 30: 241-42
 SCHREBER, K. - Robinson anemometer, 43: 341-42
 SCHREIBER's, Prof. Paul, study of rainfall, 30: 237
 SCHROEDER, Capt. R. W., world altitude record, 46: 405; 47: 77
 SCHROEDINGER, E. - Acoustics of atmosphere, 46: 211
 SCHUBERT, Johann - Solar radiation in middle North Germany according to measurements at Potsdam, 56: 179-80
 SCHUBERT, Wenzel J. - Layman's notes on hurricane tide at Miami, 55: 74-75
 SCHUETT, Dr. K. - Composition of atmosphere, 47: 539
 SCHULEEN, E. T., and J. E. STEWART - Flood predictions from storm paths ..., 57: 186-92
 SCHUSSLER, Hermann - Spaulding dam of Bear Valley hydro-electric development, Cal., [il], 40: 1415-16
 SCHUSTER, Prof. Arthur - International meteorology, 35: 403-05
 ____, Meteorology at British Association, Belfast, Sept. 1902, 30: 448-50
 ____'s course in dynamic meteorology, 35: 171
 ____'s periodogram, application of, to long rainfall records, Alter on, 52: 479-87
 ____'s periodogram, examination of world rainfall data by, Alter on, 54: 44-56
 ____'s periodogram, use of, in investigation of rainfall periodicities, Alter on, 55: 60-65
 SCORESBY's, Capt. William, meteorological notes, 25: 62-63
 SCOTT, Arthur H. - Types of heavy-rain-producing storms in Georgia, 61: 299-300
 SCOTT, J. H. - Clarkedale, Ark., tornado of Dec. 23, 1921, 49: 664-65
 ____, Flood in Mississippi river from below New Madrid, Mo., to mouth of White River, Suppl. 22: 23-25
 ____, Severe hailstorm on James Island, S. C., 41: 676
 ____, South Carolina hurricane of July 13-14, 1916, 44: 404-06
 ____, Thunderstorm at Charleston, S. C., Sept. 9, 1913, 41: 1300
 SCOTT, Robert H. - International Meteorological Conference in Paris, 24: 333
 ____, retirement of, 28: 68
 SEARLE, Prof. Arthur - Zodiacal light, 34: 408-10
 SEASHORE, Paul T. - Some observations made on origin, and disappearance of tornado..., 50: 253
 SEE, T. J. J. - Height of atmosphere determined from time of disappearance of blue color of sky after sunset, 34: 414
 SEELEY, Dewey A. - Great glaze storm of Feb. 21-23, 1922, in Michigan, [il], 50: 80-82
 ____, Heavy deposit of hoar frost and effect in retarding nocturnal cooling, 33: 155

_____, Heavy snowstorm in southern Michigan, Nov. 8-9, 1921, 49: 610
 _____, Note on heating of plants in sunlight as factor in growth, 47: 327-28
 _____, Relation between temperature and crops, [il], 45: 354-59
 _____, Studies in formation of frost, 36: 259-61
 _____, Temperature of soil and surface of ground, 29: 501-03
 _____, Tornado at Pekin, Ill., March 27, 1908, 36: 137
 _____, Tornadoes in Michigan in May 1930, 58: 207
 _____, Windstorm at Peoria, Ill., May 5, 1908, 36: 137
 _____ and R. B. DOLE - Hailstorms in Michigan, 1920-23, 52: 195-205
 SEKIGUCHI, Rikichi - High-level isobars as used in every-day weather service, 50: 242-43
 _____, Some correlations between solar activity and climate of Far East, 46: 413-15
 SELGA, Rev. Miguel - Silversandal typhoon Sept. 1-4, 1931, 59: 364
 _____, Typhoons of Aug. 1931, 59: 321-24
 _____, Typhoons of Far East during Sept. And Oct. 1931, 59: 442-43
 _____, Typhoon of Visayas, Dec. 5-6, 1931, 59: 494
 _____, Typhoon of Jolo-Indo-China, April 29-May 5, 1932, 60: 124-25
 SEMPLE, Ellen G. - Ancient piedmont route of northern Mesopotamia, 46: 520
 SERIGHT, W. E. - Tornado of April 12, 1906, at Stafford, Kan., [il], 34: 276
 SERRA, Adalberto B. - Circulation in stratosphere over Brazil, 62: 164
 _____, Forecasting from barometric characteristics, 63: 222-23
 _____ and L. D. BARBOSA - Temperatures in lower 5 kilometers of troposphere above Rio de Janeiro, 63: 190-91
 SEYBOTH, Robert - Hail and its methods of formation, 28: 157-58
 _____, Instance of ball lightning at sea, 29: 249-50
 _____, Serial numbers for Weather Bureau publications, 43: 346-50
 SEYFERT, A. G. - Midwinter weather conditions in Western Ontario, 32: 116-17
 SEYMOUR's, H. L., paper on sunlight engineering, 49: 93
 SHACKLETON expedition, first, meteorological observations of, Kidson on, 58: 294-95
 SHAFFER, Sherman - Substances dissolved in rain and snow, 49: 404-05
 SHARPE, Prof. Benjamin F. - Advance in measuring and photographing sounds, [il pl. II - V], 27: 205-11
 SHAVER, Robert H. - Frost and minimum temperature studies in Rio Grande Valley project, Suppl. 16: 36
 SHAW, A. Norman - Improved methods in hygrometry, 45: 412
 _____, Notes on comparison of anemometers under open-air conditions, 47: 21-26
 SHAW, Earl B. - Correlation between weather and Punjab wheat, 59: 120-21
 SHAW, Napier, See: SHAW, Sir William N.,
 SHAW, P. E. - Newtonian constant of gravitation as affected by temperature, 44: 515-16
 SHAW, Sir William N. - Aberdeen and Benson, 50: 313
 _____, Address to mathematical and physical section of British Association ..., 36: 412-19
 _____, Air and its ways, 51: 317
 _____, Artificial control of weather, 49: 244-46
 _____, Climograph charts, 47: 494
 _____, Curves representing paths of air in special type of traveling storm, 31: 318-20
 _____, General circulation of atmosphere in middle and higher latitudes, 32: 264-67
 _____, "La Lune mange les nuages". Note on thermal relations of floating clouds, 31: 266-68

- _____, Methods of meteorological investigation, 31: 415-20
- _____, Note on organic bodies found in air of Washington and London, [il], 52: 139-41
- _____, Organization of meteorological office in London, 43: 449-52
- _____, Outlook of meteorological science, 48: 34-37
- _____, Pressure in absolute units, 42: 5-7
- _____, Pressure difference in free air, 42: 151
- _____, Principia Atmospherica: study of circulation of atmosphere, 42: 196-209
- _____, Relation between autumnal rainfall and yield of wheat of following year, 33: 46-47
- _____, Relation of wind to distribution of barometric pressure, 47: 643-44
- _____, Revolving fluid in atmosphere, 45: 454
- _____, "Summer time" and British Meteorological Office, 46: 76-77
- _____, Travel of circular depressions and tornadoes and relation of pressure to wind ..., 47: 643
- _____, Unit of radiation, 55: 491-92
- _____, appointment of, meteorological advisor to British army, 46: 237
- _____, appointment of, Secretary to London Meteorological Office, 28: 68
- _____, retirement of, 48: 219
- _____'s "Birth and death of cyclones", Henry's review of, 50: 631-34
- _____'s discussion of Van Bemmelen's "Antitrades", 50: 92
- _____'s "Drama of Weather", review of, 61: 330
- _____'s lecture on "First Chapter in Story of Winds", 46: 237
- _____'s "Manual of Meteorology", review of, 46: 562; 56: 63-64
- _____ and W. H. Dines - Meteorological observations obtained by means of kites..., 31: 228-29
- SHEDD, Prof. John C. - Evolution of snow crystal, [il], 47: 691-94
- SHELEY, Horace W. - Physical benefits of Weather Bureau, 37: 1108-10
- SHELFORD, V. E. - Daily march of temperature and humidity, 57: 456-59
- SHERIER, J. M. - Flood of Aug. 2-3, 1933, in Cherry Creek, Co., 61: 280
- _____, Mountain snowfall and flood crests in Colorado, 51: 639-41
- _____, Report of floods in Denver district during June 1921, 49: 366-69
- _____, Storm of March 23, 1913, at Davenport, Ia., 41: 383-84
- _____, Tornado near Davenport, Iowa, Nov. 11, 1911, 39: 1683-84
- SHERMAN, O. T. - Observations on height of land and sea breezes, July 1880: 15-16
- _____, Ocean temperatures in Arctic, Feb. 1881: 19
- SHERRY, Capt. Bertram J. - Peculiar streak in line with kite wire, 45: 269-70
- _____, Rate of ascent of pilot balloons, 48: 692-94
- _____, Use of flagpole in calibrating kite anemometers and observing kites in air, [il], 44: 327-28
- _____ and A. T. WATERMAN - Military meteorological service in United States during war, 47: 215-22
- SHIELDS, F. S. - Rainfall of drainage area of New Orleans, La., 33: 204-07
- SHILLING, A. H. - Report on drought of 1913 in vicinity of North Platte, Neb., 41: 1444-45
- SHIMONO, N. - Barometric pressure and earth pulsation, 37: 65
- SHIPMAN, Truman G. - Arkansas drainage from Kansas-Oklahoma line to Fort Smith, Ark.,
Suppl. 29: 44
- _____, East wind and lifting effects at Ft. Smith, Ark., 53: 536-39
- _____, How rainfall data may be used for determining road conditions, 48: 33
- _____, Observing tornado's life, 55: 183-84
- _____, Tornado, May 1, 1929, at Fort Smith, Ark., 57: 207-08

- _____, Tornadoes of April 17, 1922, in Indiana, 50: 186-87
- _____, Underdeveloped tornado, 54: 168
- SHOW, S. B. - Lightning and forest fires in California, 51: 566-67
- _____, Meteorology and forest fire problem, 59: 432-33
- _____ and E. I. KOTOK - Occurrence of lightning storms in relation to forest fires in California, 51: 175-80
- SHOWALTER, Albert K. - Central Office of U. S. Weather Bureau struck by lightning, 62: 133
- SHRIVER, Howard - Crop as depending on meteorological conditions, 28: 397
- SHULGIN, W. M. - Improved water-flow pyrhelimeter, 55: 361-62
- SHUMAN, Jesse W. - Correlation between rainfall and runoff, 57: 179-84
- _____, Discussion of Streiff's "Practical importance of climatic cycles in engineering", 58: 114-115
- _____, Notes on lake levels, 59: 97-105
- SHUTT, F. T. and R. L. DORRANCE - Nitrogen compounds in rain and snow, 47: 878
- SIGETOMI, K. - Abnormal change of air temperature at Tokyo and Singapore, 46: 464
- SIMES, E. F. - Hailstorm at Wausau, Wis., May 22, 1921, 49: 334-35
- SIMPSON, Dr. George C. - Atmospheric electricity, 34: 16-17
- _____, Electricity of atmospheric precipitation, 43: 445
- _____, Further studies in terrestrial radiation, 56: 322-23
- _____, Geological climates, 58: 161-62
- _____, Mechanism of thunderstorm, 56: 311-12
- _____, Memorandum of study of solar radiation and meteorology, 54: 214-15
- _____, Meteorology of Antarctic, 49: 305-06
- _____, Origin of southwest monsoon, 49: 303-04
- _____, Penetrating radiation in atmosphere, 45: 401
- _____, Some problems of atmospheric electricity, 44: 115-22
- _____, appointment of, director of Great Britain Meteorological Office, 48: 413, 659
- _____'s article on climate during pleistocene period, 58: 498-99
- _____'s ideas in meteorology, 53: 400
- _____'s lecture on thunder and lightning, Henry on, 58: 497-98
- _____'s memoir on atmospheric electricity in high latitudes, 34: 18-20
- _____'s paper on distribution of terrestrial radiation, Kimball's review of, 57: 340
- _____'s table of velocity equivalents of Beaufort scale, 54: 298
- SIMPSON, Prof. Howard E. - Meteorology at Colby College, 37: 177-78
- _____, Photographs of Antler, N. D., tornado of Aug. 20, 1911, [il], 45: 237-38
- _____, Pretechnical meteorological studies, 51: 69-70
- _____, Tornado insurance, 33: 534-39
- SIMS, Alfred F. - Permanence of climate, 29: 121
- _____, Tornado of March 26, 1895, at Albany, N. Y., 23: 92
- SIMSON, A. Gael - Note on effect of lightning bolt, 58: 467
- _____, Relative humidity and short-period fluctuation in moisture content of certain forest fuels, 58: 373-74
- _____, Unusual well, 55: 24
- SINCLAIR, John G. - Temperatures of soil and air in desert, 50: 142-44
- SKILLMAN, Clarence E. - Tornado in Warren County, N. C., Jan. 5, 1931, 59: 37
- SKINNER, Robert P. - Prevention of damage by frost, 34: 79-80

SLAUGHTER, J. P. - Drought in Oklahoma, July and August, 1913, 41: 1445
 _____, Floods of Oct. 1923, in Oklahoma, 51: 547-48
 _____, Hailstorm at Pueblo, Colo., 32: 319
 _____, Tornadoes of April 8, 1922, in Oklahoma, 50: 185
 SLIPHER, V. M. - General auroral illumination of sky and wave-length of chief aurora line, 48: 393
 SLOAN, J. B. - Great floods of Sept. 1904, in New Mexico, 32: 466-68
 SLOCUM, Frederick - Interesting solar halo, 41: 161
 SLOCUM, Giles - Bucket observations of sea-surface temperatures, See: Monthly Issues beginning Jan. 1931
 _____, Regression equations analyzing immediate antecedents of temperature..., 62: 411-15
 _____, Sea-surface temperature summary for east-central Gulf of Mexico, 1912-33, 63: 71
 _____, Sea-surface temperature summary for extreme southeastern Gulf of Mexico, 1912-33, 63: 33
 _____, Sea-surface temperature summary for north-central Gulf of Mexico, 1912-33, 63: 174
 _____, Sea-surface temperature summary for north-western Gulf of Mexico, 1912-33, 63: 147-48
 _____, Sea-surface temperature summary for southwestern Gulf of Mexico, 1912-33, 63: 204
 _____, Sea-surface temperature summary for western Caribbean Sea, 1920-33, 63: 113
 _____, Sea-surface temperature summary for Yucatan Channel, 1912-33, 62: 425
 _____, Summary of sea-surface temperature data for 1932, 61: 115
 SMITH, Alfred - Effect of local influences in modifying general atmospheric conditions, 54: 463
 SMITH, Prof. Arthur W. - Our present knowledge regarding heat of evaporation of water, 35: 458-63
 SMITH, Dr. D. T. - Energy of storm, 34: 280
 _____, Influence of mountains and coasts on storms, 37: 64-65
 SMITH, Lieut. Edward H. - Some meteorological aspects of ice patrol work in North Atlantic, 50: 629-31
 _____'s work on scientific results of Marion expedition of 1928, McDonald on, 59: 428-30
 SMITH, Dr. G. E. P. - Notes on rainfall and evaporation, 58: 253-54
 SMITH, George W. - Forecast distribution, [il], 42: 541-45
 SMITH, Gretchen - Airplane encounters Santo Domingo hurricane, 58: 364
 SMITH, Herman W. - Meteorological publication, 25: 134-35, 199-200, 245, 294, 348, 393, 444, 483
 _____, River-stage forecast for Arkansas river, Dardanella to Pine Bluff, Ark., 44: 143-50
 _____, Rules for forecasting crest stages at Cairo, Ill., 48: 656
 SMITH, J. Warren - Agricultural meteorology, 44: 74-75;48: 281-83
 _____, Careless statement, 39: 362, 1775
 _____, Climate of city and country compared, 40: 30-31
 _____, Correlation, 39: 792-95
 _____, Crop centers of United States, 46: 280-81
 _____, Cultivation does not increase rainfall, 47: 858-60
 _____, Derecho, not tornado, of May 16, 1899, in Ohio, 27: 196-97
 _____, Effect of snow on winter wheat in Ohio, 47: 701-02
 _____, Effect of weather upon yield of corn, 42: 78-92
 _____, Effect of weather upon yield of potatoes, 43: 222-36
 _____, Effects of cold weather, Winter of 1917-18, on vegetation, 46: 580

- _____, Flood of July 10-20, 1909, in lower Missouri Valley, 38: 572-75
- _____, Forests and floods, 39: 516
- _____, Frost warnings and orchard heating in Ohio, [il], 42: 572-83
- _____, Heavy rainfall of Oct. 3-6, 1910, in Ohio, 38: 1504
- _____, High winds in Ohio, 37: 150-51
- _____, Increasing length of frost-free period on Wisconsin cranberry bogs by sanding, 50: 197
- _____, Influence of weather on yield of crops, 50: 567-72
- _____, Motion pictures of weather maps: report of progress, 47: 877
- _____, Phenological dates and meteorological data recorded by Mikesell at Wauseon, O.,
Suppl. 2, pt. 2
- _____, Possibility of recurrence of floods of March 1913, 42: 176-78
- _____, Predicting minimum temperatures, 45: 402-07; 47: 848-49
- _____, Relation between annual precipitation and number of head of stock grazed per square mile,
48: 311-17
- _____, Relation of precipitation to yield of corn, 32: 222-24
- _____, Severe windstorms in Ohio, June 19, 1908, 36: 165-66
- _____, Severe windstorms in Ohio, Aug. 12 and 17, 1908, 36: 409
- _____, Snow and wind storms of Feb. 18-22, 1898, 26: 47
- _____, Suggestions as to teaching science of weather, 34: 453-56
- _____, Thomas Mikesell, 1845-1917, [il], 45: 368-69
- _____, Weather and birds, 23: 212
- _____, Winter damage to peaches, 40: 29-30
- _____, Winter killing of fruit trees, 28: 15
- _____, Work of Weather Bureau and relation to engineering, 38: 735-36
- _____, and others - predicting minimum temperatures from hygrometric data, Suppl. 16
- SMITH, James W. - Air-mail pilot encounters severe thunderstorm in Florida, 58: 117-18
- _____, Unusual haze conditions over United States and Caribbean Sea in 1933, 61: 272
- SMITH, Jesse W., and W. R. STEVENS - Probable 24-hour temperature change at Montgomery,
Ala., 53: 306-08
- SMITH, John W. - North Atlantic coast storm of Nov. 26-27, 1898, 26: 494
- _____, Snow and wind storm of Jan. 31 - Feb., 26: 4
- SMITH, Prof. Ralph E. - Frost rings, [il], 39: 1256
- SMITH, Richard B. - Psychrometric chart for determining dewpoint and relative humidity,
49: 287-88
- SMITH, Robert H., and C. M. ALVORD - Tephigram - theory and practical use in weather
forecasting, 57: 361-69
- SMITH, Wellington - Severe hailstorm on July 28, 1906, at Mifflintown, Pa., 34: 277
- SMITH, Wesley L. - Weather problems peculiar to New York - Chicago airway, 57: 503-06
- SMYTH, P. H. - Floods in Mississippi, 26: 140-41
- _____, Hailstorm of April 8, 1920, in Washington county, Ala., 48: 213
- _____, Hailstorm in Alabama, Nov. 14, 1921, 49: 659-60
- _____, Tornado of March 26, 1911, in Alabama, 39: 332
- _____, Tornado of March 15, 1912, in Alabama, 40: 336
- _____, Tornado in southern Alabama, March 5, 1919, 47: 237
- _____, Tornadoes of March 28, 1920, in east-central Alabama, 48: 200-01
- _____, Tornadoes of April 20, 1920, in Alabama, 48: 205-10

_____, Tornadoes of April 16, 1921, in Alabama, 49: 197-98

_____, Tornadoes of March 1922 in Alabama, 50: 187

_____, Weight of sleet on telegraph wires and trees, 35: 171

SNOW, Prof. F. H. - Weather of winters of 1867-1884, at Lawrence, Kans., 12: 62

SNYDER, Henry C. - Subsoil moisture and crops for 1931, 59: 120

SOBEY, Albert, and C. KINSLEY - Radio direction changes and variations of audibility, 47: 456-62

SOLBERG, H., and J. BJERKNES' article on meteorological conditions for formation of rain, Henry's review of 50: 402-04

____ and J. Bjeknes' "Life cycle of cyclones and polar front theory of atmospheric circulation", Henry's review of, 50: 468-74

SOLYOM, Herbert L. - Argentine weather, 37: 96-98

SONDERLEGGER, A. - Sources of local water supply, 57: 369-74

SOUZA, Francisco de - Meteorological summary for Brazil, 1926, 54: 217, 300, 345, 386, 429

_____, Meteorological summary for Brazil, 1928, 56: 16, 60, 108, 145, 190, 230, 282

SPAETH, W. - Siroccos of Sinai desert, 49: 276-77

SPENCER, E. E. - Lightning on kite wire, 26: 170

SPENCER, James H. - August 1912 flood of Wisconsin river, 40: 1191

_____, Early opening of New York State barge canal, 59: 158

_____, Exceptionally severe snowstorm of Oct. 18-19, 1930, near Buffalo, [il], 58: 422

_____, Hailstorm of Sunday afternoon, May 24, 1925, at Baltimore, Md., 53: 261-62

_____, Heavy rainfall at Dubuque, Ia., 40: 1191

_____, Ice storm of Dec. 17-18, 1929, at Buffalo, N. Y., 57: 508-09

_____, Intense rainstorm of Oct. 4, 1919, at Dubuque, Ia., 47: 721

_____, Notes on Jamestown Tercentennial Exposition, 35: 581-82

_____, Report of severe local storm, Galena, Ill., Aug. 16, 1911, 39: 1187

_____, Severe storm at Dubuque, Ia., 41: 1181

_____, Three notable meteorological exhibits at World's Fair, [il], 32: 411-13

_____, Thunderstorms at Lincoln, Neb., 31: 587

_____, Waterspouts, Oct. 29, 1934, Buffalo, N. Y., harbor, 62: 380

_____, Wisconsin river flood of Oct. 1911, 39: 1517-19

_____, Wisconsin river flood, July 1912, 40: 1031-32

_____, Wisconsin river flood, Sept. 1912, 40: 1344

SPENCER, R. E. - Flood of 1929 in lower Mississippi Valley, 57: 317-19

SPILLMAN, W. J., H. R. TROLLEY, and W. G. REED - Average interval curve and application..., 44: 197-200

SPRAGUE, Malcolm - Frosts and frost protection in Texas, 42: 590

_____, Monthly and seasonal distribution of snowfall in California, 62: 438-41

SPRY, Gov. William - Relation of Weather Bureau to conservation of our natural resources, 38: 1258

SQUIER, Maj.-Gen. G. O. - Meteorological service of Army, 47: 84

STACKHOUSE, I. M. - Dust storm of Feb. 7, 1895, at Stattler, Ark., 23: 57

STAFFORD, Harlowe M. - California snow surveys, 57: 426-28

STAPLETON, D. C. - Climatological data from Playa Rica, Ecuador, 26: 460-61

STARR's, Prof. Frederick, paper on Iowa thunderstorms, 35: 264-65

STEARNS, Herman D. - Effect of proximity to sea on thunderstorm periods, 26: 452-54

STEARNS, Norah D., and O. E. MEINZER - Study of ground water in Pomperaug Basin, Conn., 57: 341-43

STEFAN-BOLTZMANN law, constant (sigma) in, Kahanowicz on, 46: 209

STEINER, Dr. D. L. - Temperature of air in ice cavern of Dobsina, 50: 424-25

STEPHENS', A. H., remarks on Signal Service, May 1878: 13-14

STETSON, Frank O. - Climate of Baguio, Philippine Islands, 30: 478-79

_____, Hurricanes of 1895 and 1896 in Philippine Archipelago, 28: 101-02

STETSON, Harlan T. - Solar activity and radio reception, 61: 1-3

STEVENS, Arthur W. - Tornado in Utah, 44: 459

STEVENS, J. C. - Cooperative investigations of water supply and relations to development..., 38: 641-42

_____, Water resources of Deschutes river drainage basin, 38: 471-74

STEVENS, Prof. James S. - Barometric pressure at Orono, Me., 32: 175

_____, Meteorological records at Orono, Me., 31: 528; 33: 310-15

_____, Some experiments in atmidometry, [il],. 30: 129

STEVENS, Loyd A. - Upper-air wind roses and resultant winds for eastern section of United States, Suppl. 35

_____, Upper-air winds over northern Alaska during international polar year, Aug. 1932-Aug. 1933, 62: 244-47

STEVENS, Neil E., and C. H. Higgins - Temperature in relation to quality of sweet corn, 48: 416

STEVENS, Prof. W. Le Conte - Theory of rainbow, 34: 170-73

STEVENS, Welby R. - Meteorological conditions preceding thunderstorms on national forests, 62: 366-70; 63: 183-84

_____, Stickel on measurement and interpretation of forest-fire weather in western Adirondacks, 60: 25

_____, Tornadoes in Alabama, 53: 437-43

_____, Tropical disturbance of Aug. 26-31, 1934, 62: 344

_____, Winter of 1928-29, in Europe, 57: 248-49

_____ and J. W. SMITH - Probable 24-hour temperature change at Montgomery, Ala., 53: 306-08

_____, E. W. WOOLARD, and L. T. SAMUELS - Graphical thermodynamics of free air, 54: 454-57

STEVENSON, Robert Louis, meteorology of, 49: 92, 510

STEWART, Dr. Balfour - Long period of inequality in rainfall, May 1880: 14-15

STEWART, C. D. - Measurement of upper-wind velocities by observations of artificial clouds, 53: 165

STEWART, Charles - Climate of Spokane, Wash., 28: 490-92; 36: 175-77

STEWART, G. W. - Propagation of sound in irregular atmosphere, 48: 163

STEWART, James E., and E. T. SCHULEEN - Flood predictions from storm paths..., 57: 186-92

STEWART, Milroy N. - Halo observations at York, N. Y., 43: 444-45; 46: 406, 552-53

_____, Relation of precipitation to tree growth, 41: 1287

STEWART, Willard C. - Analysis of precipitation of rain and snow, during 1929-30, at Mt. Vernon, Ia., 58: 418-19

STEWART, William P. - Local forecasting at Escanaba, 35: 356-57

_____, Midsummer showers at Galveston, Tex., 41: 1225-26

_____, Sleet, glaze, snow, and windstorm in Wisconsin, Feb. 3-6, 1924, 52: 163-64

_____, Three Wisconsin snowstorms, [il], 51: 129-30

- _____, Thundersqualls in Wisconsin, June 9-10, 1922, 50: 311-12
- _____, Tornadoes in Wisconsin, 50: 310-11
- _____, Tornadoes in Wisconsin, Sept. 21, 1924, 52: 448
- _____, Tornadoes in Wisconsin, April 1929, [il], 57: 157
- _____, Windstorms in Wisconsin, Aug. 7, 1924, 52: 395
- STICKEL, Paul W. - Forest-fire weather in central Massachusetts, 56: 134-36
- _____'s paper on measurement and interpretation of forest-fire weather in western Adirondacks, Stevens on, 60: 25
- _____ and P. R. GAST- Solar radiation and relative humidity in relation to duff moisture..., 57: 466-68
- STINE, O. C., and O. E. BAKER - Climate of cotton belt, 47: 487-89
- STOCKMAN, William B. - Invariability of our winter climate, 32: 224-26
- _____, March and winter winds, 31: 223-25
- _____, Monthly reports of Weather Bureau Service in West Indies, 27: 194-95
- _____, Winter of 1903-04. 32: 125-26
- STOERMER, Prof. Carl - Aurora borealis of May 13, 1920, 50: 257
- _____, Aurora observations in 1913, 43: 445
- _____, Height of aurora, 50: 257
- _____, Short-wave echoes and aurora borealis, 56: 511-12
- _____'s work on Birkeland's theory of aurora borealis, 36: 129-31
- _____'s work on physics of aurora, 36: 112-13
- STOK, J. P. van der - Relation between meteorological conditions in Netherlands and some circumjacent places, 43: 563-64
- STONE, Dr. George E. - Injury to vegetation resulting from climatic conditions, 44: 569-70
- STONE, Prof. George H. - Note on winds of region adjacent to Gulf of California, 33: 154-55
- STONE, Robert G., and S. PAGLIUCA - Halo of unusual radius, 61: 327
- STONER, H. L. - Indicator precipitation-stations for predicting stream discharge, 49: 301-03
- STONEY, Dr. G. Johnstone - Escape of gases from atmosphere, 33: 6-9
- STREIFF, Abraham - Flow of Dnieper river, 59: 29-30
- _____, Investigation of cycles and relation of Bruckner and solar cycle, 54: 289-96
- _____, Notes on estimating run-off, 56: 98-99
- _____, Practical importance of climatic cycles in engineering, 57: 405-11
- _____, Report of streamflow prediction subcommittee, 59: 73-74
- _____, Sunspots and rainfall, 55: 69-71
- _____'s "Practical importance of climatic cycles in engineering", Sherman's discussion of, 58: 114-15
- STRIEBY, Prof. - Cloudburst, 13: 181-82
- STRONG, Charles M. - Flood on South Canadian river in Oklahoma and Indian Territory, Oct. 1-4, 1904, 32: 522-23
- _____, Tornado of May 10, 1905, at Snyder, Okla., 33: 355-56
- _____, Tornadoes of March 17, 1905, in western Oklahoma, 33: 153-54
- STRONG, W. W. - Radium: its properties, distribution, and influence on atmosphere, 36: 64-70
- STRUBLE, Joseph H. - Peculiar mountain storms, 25: 212; 26: 66-67
- STRUTT, R. J. - Transparency of atmosphere for ultra-violet radiation, 45: 485
- _____ and A. FOWLER - Absorption bands of atmospheric ozone in spectra of sun and stars, 45: 443

STUART, W. P. - Wisconsin tornado, 54: 298

STUPART, Sir Robert F. - Canadian seismographic records, 33: 207-08

_____, Climate of Yukon territory, 35: 16-17

_____, Meteorological service of Canada, 27: 204-05

_____, Meteorological stations in high latitudes, 51: 10-11

_____, Origin of American cold waves, 32: 113, 176

_____, Source of our cold waves, 37: 26

_____, Variability of corresponding seasons in different years, 48: 101

_____, Winds of Quebec, 33: 492

_____, knighthood of, 44: 289

_____'s letter on construction of weather maps, 30: 229

STYLES, George H. - Earthquakes, clouds and gales at Port Carolina, South Australia, 30: 10-11

SUBHA RAO, M. B. - Rainfall in Madras and frequency of sun spots, 30: 438-40

SULLIVAN, Richard H. - Hailstorms in South Carolina, June 8-9, 1919, 47: 393

_____, local cooperation in frost prevention, 32: 229

_____, Severe local storm, 39: 1382-83

_____, Smudge pots for prevention of frosts, Wichita, Kan., 38: 412-13

_____, South Carolina meteor of April 23, 1918, 46: 357-58

_____, Unusual hailstorm, Wichita, Kan., 40: 739

SUMMERS, Melvin B. - Avalanche wind at Juneau, Jan. 26, 1917, 45: 114

_____, flood of Sept. 26, 1918, at Juneau, Alaska, 46: 471

_____, Some features of climate of Alaska, 52: 493-96

_____, Unusual aurora at Juneau, Alaska, 49: 509

_____, Unusual halos at Juneau, Alaska, June 9, 1919, 47: 424-25

_____, Variability of precipitation in State of Washington, 53: 355

SUPAN's, Prof. Alexander, memoir on distribution of precipitation, 30: 220-23

SUTHERN, E. W. - Seismic and oceanic noises, 26: 152-53

SUTTON, J. R. - Lunar period in rates of evaporation and rainfall, 45: 501

_____, Note on possibility of long-range weather forecasts, 48: 221

_____, Rainfall map of South Africa, 49: 542

_____, Relationship between cloud and sunshine, 48: 414

SUZUKI's, Seitaro, monograph on fires and weather, 56: 323

SVERDRUP, H. U. - Meteorology on Capt. Amundsen's present Arctic expedition, 50: 74-75

_____, North-polar cover of cold air, 53: 471-75

SWAIM, James - Kite experiments, 25: 165

SWAIN's, Prof., article on floods and forests, 38: 496-98

SWAIN's, Capt. F. H., report on West Indian hurricane of Aug. 28 - Sept. 6, 1924, 53: 77-78

SWAN, William U. - North Atlantic coast storm of Nov. 26-27, 1898, 26: 495

SWANN, Prof. William F. G. - Atmospheric-electric observations on third cruise of "Carnegie", 1914, 43: 510

_____, Atmospheric-electric observations aboard "Carnegie", 1915, 43: 611

_____, Ionization of upper atmosphere, 44: 507-08

_____, Origin and maintenance of earth's electric charge, 44: 68-69

_____, Sun's influence on diurnal variation of atmospheric potential-gradient, 47: 453-56

SWART, Capt. C. D. - Rare electrical phenomenon at sea, 15: 84

SWARTOUT, J. D., and J. H. WEST - Typhoon at Guam, M. I., March 19-27, 1923, 51: 462-63

SWEETLAND, Arthur E. - Tornado at Hampton Beach, N. H., July 4, 1898, 26: 308-09
SWITZER, Dr. J. Elmer - Weather types in climates of Mexico, Canal Zone, and Cuba,
53: 434-37
SYMONS, George J. - Barometric oscillations during thunderstorms and on brontometer,
29: 463-65
_____, Effect of wind on catch of rainfall, 27: 454-55
SZALAY-UJFALUSSY, Dr. Ladislaus von - Effect of lightning on human body, 47: 729

- TAKAYAMA, S. - Rainfall on days with air temperature below freezing point, 44: 514-15
- TALMAN, Prof. Charles F. - Alto-cumulus with virgulus, 44: 23
- ____, Arctic weather stations, 59: 39
 - ____, Attempts to dispel fog, 55: 500
 - ____, Brief list of works on meteorology, 61: 194-95
 - ____, Climatology of Haiti in eighteenth century, 34: 64-73
 - ____, First daily weather maps from China, 34: 376-77
 - ____, Flying weather over Greenland, 57: 66
 - ____, How high is ozone layer?, 57: 382-83
 - ____, Literature concerning supposed recurrent irregularities in annual march of temperature, 47:555-65
 - ____, Meteorological charts of Indian ocean, 33: 13
 - ____, Meteorological stations in southern Nigeria, 35: 444-46
 - ____, Meteorological symbols, 44: 265-74
 - ____, Meteorological work in China, 34: 225
 - ____, Meteorology and seismology at Pan American Scientific Congress, 43: 605-06
 - ____, Monthly review of progress of climatology throughout world, 34: 228-29, 275-76, 326-27, 374-76, 423-26, 461-62, 520-22
 - ____, New Arctic weather stations, 58: 67
 - ____, New recension of Aristotle's meteorology, 47: 417-18
 - ____, Notes from Weather Bureau Library, 35: 227-28, 258-59, 575-76; 36: 21-23, 70-72, 110-12, 145-46, 174-75, 218-19, 263, 292-93, 339-40, 368-69, 421-22; 37: 9-10, 46-47; 42: 124-26, 181-84, 244-46, 298, 396-97; 43: 44-45, 85-86, 195-98, 248-49, 362-64
 - ____, People of Mars, 28: 537-38
 - ____, Problem of aridity, 57: 429
 - ____, Recent contributions to climatology, 32: 368-69
 - ____, Solar laboratory, 57: 473-74
 - ____, "Tablecloth" of Table Mountain, [il], 49: 192
- TAMURA, Dr. S. Tetsu - Account of recent meteorological and geophysical research in Japan, 33: 302-05
- ____, Appeal for aero-physical observatory in Japan, 34: 28-29
 - ____, Biographical sketch of Prof. Diro Kitao, 35: 452-54
 - ____, Dr. Margules on energy of storms, 33: 519-21
 - ____, Mathematical theory of ice formation, 33: 55-59
 - ____, Mathematical theory of nocturnal cooling of atmosphere, 33: 138-47
 - ____, Mount Tsukula meteorological observatory, 32: 463-65
 - ____, Observations of earth temperature in Japan, 33: 296-302
- TANNEHILL, Lieut. Ivan R.- Ballistic wind, 48: 288
- ____, Correlation of wind velocity and convective rains at Houston, Tex., 49: 204-05
 - ____, Frequency distribution of daily and hourly amounts of rainfall at Galveston, Tex., 51: 11-14
 - ____, Note on pilot-balloon flights in thunderstorm formation, 47: 725-27
 - ____, Recovery from subnormal temperatures, 56: 363-67
 - ____, Severe cold waves on Texas coast, 56:41-46

- _____, Some characteristics of Texas rainfall, 51: 250-53
- _____, Some inundations attending tropical cyclones, 55: 453-56
- _____, Some observed irregular vertical movements of pilot balloons, 47: 223-25
- _____, Sunspots and weather at Galveston, Tex., 53: 221-22
- _____, Wet and dry northers, 57: 136-42
- _____, Wind aloft at Houston, Tex., Dec. 18, 1918, 46: 553
- _____, Wind velocity and rain frequency on south Texas coast, 49: 498-99
- TAYLOR, A. H. - radio transmission and weather, 42: 211-14
- TAYLOR, Geoffrey O/ - Eddy motion in atmosphere, 43: 315-16
- _____, Phenomena connected with turbulence in lower atmosphere, 46: 26, 211
- _____, Report of work carried out on steamship "Scotia", 1913, 43: 342
- _____'s theory of atmospheric turbulence, Miller on, 47: 703-06
- TAYLOR, Dr. Griffith - Air routes to Australia, 47: 78-80
- _____, Australian environment especially as controlled by rainfall, 47: 490-94
- _____, Convection-dome hypothesis of origin of cyclones, 49: 340
- _____, Initial investigations in upper air of Australia, 44: 384
- _____, Settlement of tropical Australia, 45: 589-90
- _____, presentation of David Syme prize to, 46: 237
- _____, presentation of Royal Geographic Society of Queensland medal to, 45: 606
- _____'s climograph charts, note on, 48: 279
- TAYLOR, Nathaniel R. - Climatology of Springfield, Mo., 35: 265-67
- _____, Floods of March 1928 in Sacramento Valley, 56: 100-02
- _____, Highs and lows, 25: 350-51
- _____, Importance of well written synopsis of weather conditions, 33: 475-76
- _____, What a weather observer should know, 26: 543
- TAYLOR, W. P. - Distributional and ecological study of Mt. Rainier, Wash., 50: 428
- TEEPLE, A. R. - Severe local storm at Pocatello, Ida., 40: 948
- TEISSERENC de BORT, Leon - Dynamic meteorology, 25: 490-91
- _____, Franco-Scandinavian station for aerial soundings, 31: 177-78
- _____, Results work with balloons and kites at Trappes, France, 27: 411-13
- _____, Studies on atmosphere at Trappes, France, 29: 20-21
- _____, Variations of temperature of free air at great altitudes, 30: 316-17
- TELEKI, Count Paul - Oceanic, continental, Mediterranean, and boreal climatic influences ..., 58: 256
- TEN BROECK, H. H., - Auroral-lunar halo display, 29: 551
- _____, Cloudbursts, 568-69
- _____, Electrical phenomena; incandescent clouds, 29: 466-67
- _____, Remarkable aurora at Bradentown, Fla., Nov. 18, 1899, 27: 582
- _____, Southern limit of northwest gale, 31: 18
- _____, Sudden disappearance of ice of lakes, 28: 287
- TENANI, Mario - Measurement of horizontal and vertical movements in atmosphere, 44: 627
- TENNANT, John - Stereoscopic study of clouds, 25: 98
- TERADA, Torahiko - Distribution of cyclonic precipitation, 44: 127-28
- _____, oceanic noises, uminari, 43: 315
- _____ and S. MASUZAWA - Barometric gradient and earthquake frequency, 48: 355
- TETENS, Dr. Otto - Meteorological registrations in Samoa, 1902-06, 37: 93-95, 200-07, 240-41

THURAS, Albert L. – Instrument for accurate and rapid density measurements on board ship, 47: 105

_____, Practical application of electrical-conductivity method of measuring sea-water salinity, 49: 243-44

_____, and E. E. WEIBEL – Electrical instrument for recording sea-water salinity, 47: 105-06

_____, TIBBEY's, H. S., observations in Alaska, 22: 174

TILHO, J. – Frequency of fogs in eastern Sahara, 49: 349-50

TINGLEY, Franklin G. – Genesis of tropical cyclone, 59: 340-47

_____, Surface-air and water temperatures at western bank of Gulf Stream, 49: 97-98

_____, Tropical cyclone of Sept. 14-17, 1918, in Pacific ocean just west of Mexico, 46: 568-70

TODD, George T., and R.E. HORTON – Cloudburst rainfall at Taborton, N.Y., Aug. 10, 1920, 49: 202-04

TOLLEY, Howard R. – Frequency curves of climatic phenomena, 44: 634-42

_____, and W.G. REED – Weather as business risk in farming, 44: 354-55

_____, W.J. SPILLMAN, and W.G. REED – Average interval curve and application to meteorological phenomena, 44: 197-200

TOPIL, A.G., and T.A. BLAIR – Relation of seasonal temperatures in Missouri..., 63: 159-61

TOTTEN, R.J. – Weather notes from Puerto Rico, Dominican Republic, 37: 207

TOWER, W.S. – Mountain and valley breezes, 31: 528-29

TOWLER, R.C. – Recent storms at Murray, Utah, 40: 1099

TRACY, William H. – Tornado at Grand Rapids, Mich., May 2, 1930, 58: 206

TRASK, J. Nelson – Cold waves of Jan. and Feb. 1864, 28: 114

TREY, F. – Atmospheric waves, 48: 28

TRIESCHMANN, J.E. – Nitrogen and other compounds in rain and snow, 47: 807

TRILLAT, A. – Influence of infinitesimal traces of nutritive substance in humidity..., 48: 508

_____, Influence of variation of barometric pressure on microbial droplets..., 48: 284

_____, and M. FOUASSIER – Apparatus for study of formation and persistence of fog, 48: 161

TRIPP, Frances V. – Dependence of coastal sea temperatures of Cape Cod on weather, 55: 312-15

TRISTAN, J. F., and G. MICHAUD – Absorption of ultraviolet and infra-red radiations..., 43: 510-11

TROMHOLT's, Dr. Sophus, catalogue of Norwegian auroras, 30: 523-24

TROTTER, Spencer L. – Local peculiarities of wind velocity and movement..., 48: 634-37

TROWBRIDGE, Prof. C.C. – Atmospheric currents at very great altitudes, [il], 35: 390-97

_____, Importance of systematic observation of persistent meteor trains, 37: 11-13

TROWBRIDGE, Prof. John – Does lightning ever strike ocean? 30: 478

_____, Endeavor to discover electrodynamic radiations from sun, 24: 409

_____, Roentgen rays, 25: 348-49

_____'s memoir on high electromotive force, 36: 92-93

TSUIJI, Y. – Horizontal halos, 45: 207

TSUTSUI, M. – Relation between range of air temperature and distribution of land and water, 36: 370-71

TULLSON, H. – Prolonged plant activity at Grand Haven, Mich., Autumn of 1920, 49: 608-09

TURNER, Major C. C. – Structure of gusts, 46: 460

TURNER, E.T. – Thunderstorm of May 3, 1892, in New York State, 20: 139

TYLER, W. F. – Hythers and comparison of climates, 35: 267-68

____, Sensation of discomfort, 32: 217

UDDEN, Dr. Anton D. – Statistical study of surface and Upper-air conditions..., 51: 55-68
UIBE, M. – Brightness of unclouded sky, 49: 26
UNGER, E. E. – Dense fog in Tri-Cities on Nov. 3, 1922, 51: 81-82
_____, Tornadoes in Lauderdale county, Miss., Sunday, Feb. 25, 1934, 62: 59-61
UPDEGRAFF, Prof. Milton – Rain gushes and thunderstorms, 26: 258
UPHAM, H. J. – Lightning out of clear sky, 54: 466
UPSON, M. A. – Snowstorm of Nov. 4-6, 1889, in Texas and New Mexico, 17: 305-06
UPSON, Ralph H. – Balloon racing – game of practical meteorology, 49: 6-7
UPTON, Prof. Winslow – Peculiar temperature fluctuation, 34: 122-23
USHER, F. L., and B. S. RAO – Determination of ozone and nitrogen oxides in southern India,
46: 25

- VALERIANO, Alexander, M. – Frost formations, 25: 213
- VALLOT, J. – Comparison of diffuse and direct solar radiation, 49: 488
- VAN ARSDEL, W. B. – Method for calculation of normal frost dates from short temperature records, 50: 297-301
- VAN BEMMELEN, W. – See: BEMMELEN, W. van,
- VAN CLEEF, Eugene – Is there a type of storm path? 36: 56-58
- _____, Rainfall maps of Latin America, 49: 537-40
- VAN ORMAN, Ward T. – Preliminary meteorological survey for airship bases on Middle Atlantic seaboard, 59: 57-64
- VAN ORSTRAND, C. E. – Simple application of theory of probabilities to weather prediction, 37: 175-76
- VAN ROYEN, W. – Climatic regions of North America, 55: 315-19
- _____, Outline of article on “climatic regions of eastern North America, 55: 410-12
- VAN ZANDT, Lieut. J. Parker, and W. R. GREGG – Frequency of winds of different speeds ..., 52: 153-57
- ____ and W. R. GREGG – Wind factor in flight: analysis of year’s record of air mail, 51: 111-25
- VANDERLINGEN, E. – Weather at Brussels (Uccle) during April and May 1927, 55: 271-72
- VANDERMUELEN, C. A. – Ice mines that freezes in summer and melts in Winter, 47: 803-04
- VARNEY, Dr. Burton M. – Argonne battle cloud, 49: 348-49
- _____, Climate and weather at Kerguelen Island, 54: 425-26
- _____, Daytime wind turbulence in mountain valley, 48: 336-37
- _____, Early meteorology at Harvard College, 36: 140-42, 286-90
- _____, Fog phenomenon of San Francisco, 48: 337-38
- _____, Further note on Lorain, Ohio, tornado of June 28, 52: 396-97
- _____, Great hailstorm in southeastern New Hampshire and northeastern Massachusetts, July 17, 1924, 52: 394-35
- _____, Gregg’s aerological survey of United States, Part 2, 54: 379-80
- _____, Local wind of foehn type near San Francisco Bay, 45: 539-40
- _____, Meteorological conditions in Eurasian sector of Arctic, 53: 475-79
- _____, Monthly variations of precipitation-altitude relation in central Sierra Nevada..., 48: 648-50
- _____, Notes on thunderstorm breeding spots, 49: 400
- _____, Notes on changes of weather elements during solar eclipse of Jan. 24, 1925, 53: 21-22
- _____, Seasonal precipitation in California and its variability, 53: 148-63, 208-18

_____, Section on meteorology of International Geodetic and Geophysical Union, 52: 352-54
 _____, Some further uses of climograph, 48: 495-97
 _____, Van Bemmelen on intra-tropical part of general circulation..., 52: 441-47
 _____, resignation of, 55: 132
 _____'s review of Ward's "Climates of United States", 53: 540-41
 VAUGHAN, J. W. D. – Notes on climate of Fiji Islands, 15: 293
 VAUGHAN, Lloyd D. – Problems on relation between weather and crops, 48: 641-43
 VEEDER, M. A., - Coincidence of sun spots with thunderstorms and auroras, 15: 206
 _____, Connection of sun spots with atmospheric phenomena, 14: 296-97
 VENEEMA, C. – Audibility of thunder, 48: 162
 VEGARD, L. – Auroral spectrum and upper strata of atmosphere, 51: 359
 VERNON, Edward M., and D. M. LITTLE – Reduction of barometric pressure over plateau...,
 62: 149-55
 VERONNET, A. – Internal temperatures of sun, 46: 309
 VERY, Prof. Frank W. – Fireball of Sept. 20, 1909, 37: 225
 _____, Phenological observations on Potomac, 28: 154
 _____, Physics and meteorology, 30: 445-48
 _____, Solar constant, 29: 357-66
 _____'s memoir on atmospheric radiation, review of, 28: 394-95
 VESPER, J. Lake – Inferior arc of 46 degree-halo, April 25, 1918, 46: 166
 VIAUT, A. R. BUREAU and A GRET – Recorder of frequency of Atmospherics, 55: 327
 VILLARD's, M. P., theory of aurora, Blair on, [il], 34: 572-73
 VINCENT's, J., bibliography of
 treatises on meteorology, 34: 162-63
 VISHER, Prof. Stephen S. – Frequencies of tropical cyclones..., 58: 62-64
 _____, Notes on typhoons, with charts of normal and aberrant tracks, 50: 583-89
 _____, Tropical cyclones in Australia and south Pacific and Indian Oceans, 50: 288-95
 _____, Tropical cyclones in northeast Pacific, between Hawaii and Mexico, 50: 295-97
 VISSER, S. W. – Diffraction of light in formation of haloes, 46: 22
 VOIEKOV, Aleksandr I. See: WOEIKOF, Alexander I.
 VOLTA, memorial to, 26: 366
 VOORHEES, J. F. – Climatic control of cropping systems and farm operations, 43: 612
 _____, Distribution of rainfall at Knoxville, Tenn., by hours, weeks, and months..., 56: 368-70
 _____, Further study of effective rainfall, 54: 332-36
 _____, Graphic and tabular aid to interpreting correlation coefficients, 54: 423
 _____, Notes on frost protection in vicinity of Knoxville, Tenn., 42: 587
 _____, Preliminary study of effective rainfall, 53: 63-65
 VOSE, Elisha C. – Use of storage battery for electrical recording instruments 27: 300-01

WADA, Prof. Yudzi – Japanese meteorological service in Korea and Manchuria, [il], 33: 397-99
 WADE, Herbert T. – Wireless storm detector for central lighting station, 48: 162
 WADSWORTH, J. – Relation between haze and relative humidity of surface air, 50: 315
 WAGNER, A. – Investigation of oscillations of general circulation, 57: 383-84
 ____'s, "16-year period in temperature", review of, 53: 541
 ____'s, "Climatologie der Freien Atmosphäre", Ballard's abstract of, 60: 59-60
 WAIT, G. R. and A. G. McNISH – Atmospheric ionization near ground during thunderstorms, [il], 62: 1-4
 WALDO, Prof. Frank – Comparison of Signal Service barometers with standard barometers..., 15: 119-21
 ____, Importance of research observatories, 33: 405-06
 ____, Results of anemometer observations at sea, 15: 31
 WALDRON, B. L. – Flood in Missouri, Aug. 15, 1916, 44: 465
 ____, Flood report, 39: 1519
 ____, Heat and drought of 1913 at Hannibal, Mo., 41: 1440-41
 WALKER, Sir Gilbert T. – Correlation in seasonal variations of weather..., 53: 252-54
 ____, Local distribution of monsoon rainfall, 50: 370
 ____, Measure of correlation, 55: 459-60
 ____, Measure of correlation, rejoinder, 56: 106-07
 ____, Meteorology in India, 33: 544
 ____, Periodicity in series of related terms, 59: 277-78
 ____, Probable amount of monsoon rainfall in 1920, 48: 415
 ____, Solar relations with weather, 54: 215
 ____, World weather, 56: 167-70
 ____, appointment of, meteorological reporter to India, 31: 30
 ____'s article on seasonal foreshadowing, 59: 202
 ____'s theory of correlation coefficient, comparison of, with Dines', Woolard on, 55: 460-61
 ____ and E. W. Bliss' "World Weather", Part 3, review of, 56: 373
 WALLACE, H. A. – Mathematical inquiry into effect of weather on corn yield..., 48: 439-46
 WALLEN, Axel – Twelve years of long range forecasting of precipitation and water levels, 55: 233-35
 WALLIS, B. C. – Distribution of rainfall in eastern United States, 43: 14-24
 ____, Distribution of rainfall in western United States, 43: 170-75
 ____, Monsoon rainfall, 43: 24
 ____, Rainfall and agriculture in United States, 43: 267-74
 ____, Rainfall of northeastern United States, 43: 11-14
 ____, Rainfall and raininess, 46: 229-30
 ____, Rainfall regime of several states, 43: 176-78
 WALLIS, H. Sowerby – resignation of, 31: 382
 ____'s letter on reduction of records of rain gages, 30: 228

 WALSH, M. C. – Origin of St. Louis tornado, 25: 308
 WALTEMATH's, Dr. George, moon, 26: 19-20
 WALTON, Leon C. – Southern Arizona flying weather, 59: 270-72
 WALTON, William M., Jr., - Orchard heating in Indiana, 39: 29
 WALZ, Ferdinand J. – Drought and heat wave of Summer of 1913 in Kentucky, 41: 1452-53

- _____, Excessive precipitation at Louisville, Ky., 36: 107-08
- _____, Heavy rainfall of Oct. 3-6, 1910, in Kentucky, 38: 1503
- _____, Killing frost and length of growing season in various sections of Kentucky, 45: 348-53
- _____, Study of temperatures at Baltimore, Md., 27: 293-94
- _____, Tornado of March 23, 1917, at New Albany, Ind., 45: 169-71
- WARD, Allen, H. – Smoke arch marking increase in wind, 48: 399
- WARD, Prof. Robert De C. – Bibliographic note on sunshine in United States, 47: 794-95
- _____, Bibliographic notes on temperature charts of United States, 49: 277-80
- _____, Changes of climate, 34: 459-60
- _____, Classification of climates, 34: 416
- _____, Climate and health, with special reference to United States, 48: 690-91
- _____, Climatic subdivisions of United States, 43: 467-68
- _____, Climatologists round-the-world voyage, 57: 277-91
- _____, Cloud ring on Buffalo Mountain, Colo., 31: 318
- _____, Cloudiness in United States, 47: 879
- _____, Cruise with International Ice Patrol, [il], 52: 71-78
- _____, Cumulus clouds over fire, 26: 104-05
- _____, Government meteorological work in Brazil, 36: 254-56, 290-92
- _____, How meteorological instruction may be furthered, 46: 554
- _____, Kassner's meteorological globes, 36: 371
- _____, Land and sea breezes, 42: 274-77
- _____, Larger relations of climate and crops in United States, 47: 238-40
- _____, Major controls of climates of United States, 46: 464-68
- _____, Mean annual rainfall of United States, 45: 338-45, map
- _____, Meteorological activities of Prof. Edward Pickering, 47: 241-42
- _____, Meteorological observations while traveling, 47: 170
- _____, Meteorology and war flying, 45: 591-600
- _____, New precipitation section of Atlas of American Agriculture, 50: 117-24
- _____, Note on atmospheric humidity in United States, 50: 575-81
- _____, Notes on weather and climate during Summer trip to Brazil, 1908, 36: 333-39
- _____, Prevailing winds of United States, 47: 575-76
- _____, Rainy days and rainfall probability in United States, 46: 520
- _____, Snowfall of United States, 47: 695-96
- _____, Some characteristics of rainfall of United States, 47: 631-32
- _____, Some characteristics of United States temperatures, 49: 595-606
- _____, Summer cruise in West Indies, 59: 331-39
- _____, Thunderstorms of United States as climatic phenomena, 43: 612
- _____, Two climatic cross-sections of United States, 40: 1909-17
- _____, Visit to highest meteorological station in world, 26: 150-52
- _____, Walter Gould Davis, 47: 242
- _____, Winter barograph curve from South Pacific ocean, [il], 25: 484-85
- _____'s "Climates of the United States", 32: 418-19
- _____'s "Climates of the United States", Varney's review of, 53: 540-41
- _____'s guidebook to world's weather and climates, 57: 254-55
- _____'s "Handbook of World's Climates", 56: 188-89
- WARREN, Leslie A. – Horizontal ground day visibility at Ellendale, N. Dak., 54: 420-23

_____, Wheaton's experience against terrific head winds, 58: 118

_____, Wind stratification near large thunderstorm, 47: 395-96

WASHBURN, Edward W. – Vapor pressure of ice and water below freezing point, 52: 488-90

WATERMAN, Lieut. Alan T., and B. J. SHERRY – Military meteorological service in United States..., 47: 215-22

WATERSTON, M. – Lightning flashes by pairs, 23: 383

WATT, R. A. Watson – Range of atmospheric, 55: 237

WATTS, Harvey M. – Gulf Stream myth, 28: 393-94

_____, Tornado, hurricane, and cyclone, 27: 307-08

WATTS, Dr. W. Marshall – Spectrum of aurora borealis, [il], 35: 405-12

WEBBER, B. C. – January gales from Great Lakes to maritime Provinces, 30: 11-12

_____, March winds, 31: 136-37

_____, November gales from Great Lakes to maritime provinces, 30: 517-18

WEBSTER, David L. – Squall cloud in thunderstorm; direct observation of its motion, 52: 586

WEBSTER, E. S. – Structure of hailstones, 34: 109

WECK, Fred H. - Average visibility at Chicago airport, 58: 204

_____, Precipitation in form of ice spicules at temperatures near freezing, 53: 497-98

_____, Rockford, Ill., tornado, Sept. 14, 1928, [il], 56: 354-55

WEDDERBURN, Ernest M. – Application of meteorology to gunnery 47: 869

WEED, Arthur J. – Apparatus and methods for cloud photography, [il], 48: 454-58

WEED, J. N. - Formation of snow in cloudless air near ground, 32: 170

_____, Lightning from cloudless sky, 28: 292-93

WEEKS, John R. – Baltimore, Md., weather records for over 100 years, 61: 260

_____, Climate of Binghamton, N. Y., shown by histogram method, 49: 53-62

_____, Halo in the making, 43: 591

_____, Mammato-cumulus clouds and thunderstorm at Binghamton, N. Y., June 24, 1914, [il], 47: 397

_____, Note in regard to clinging qualities of snow, 49: 17-18

_____, Note in regard to indoor and outdoor humidity, 48: 690

_____, Note in regard to primary cause of colds, 48: 690; 49: 155

_____, Note of some effects of weather changes on disease, 49: 155

_____, Some effects of air drainage in river valleys, 40: 323-24

_____, Weather and death rate, 50: 542

_____, Weather and disease, 49: 155-56

WEGENER, Alfred – Frost supersaturation and cirrus, 49: 349

_____, Some characteristics of tornadoes, 47: 728

WEGENER, Dr. Kurt – Ascent of air above active volcanoes, 43: 58-60

_____, Study of simultaneous kite ascensions in Berlin, Germany and Hald, Jutland..., 33: 260

WEHRLE, P., and M. COYEQUE - Hatteras depressions, 53: 26-27

WEIBEL, Ernest, and A. L. THURAS – Electrical instrument for recording sea-water salinity, 47: 105-06

WEIDMAN, R. H. – Relation of weather forecasts to prediction of dangerous..., 51: 563-64

WEIGHTMAN, Richard H. – Hurricane tracks, 1912-15, 44: 521-22

_____, Hurricanes of 1916 and notes on hurricanes of 1912-15, 44: 686-88

_____, Lightning branches on ground, [il], 62: 200-01

_____, Project for local forecast studies, 48: 154-55

- _____, Snow cover in southern Canada as related to temperatures in North Atlantic states..., 59: 383-86
- _____, Some observations on cyclonic precipitation of Feb. 22, 1925..., 53: 379-84
- _____, Tropical disturbance of Oct. 7-15, 1932, 60: 193
- _____, Tropical disturbances of Aug. 1933, 61: 233-35
- _____, Tropical storm of Aug. 12-14, 1932, in Gulf of Mexico, 60: 177
- _____, Tropical storm of Aug. 25-31, 1932, 60: 177
- _____, West Indian hurricane of Sept., 1919, in light of sounding observations, 47: 717-20
- _____, West Indian hurricanes of Aug. 1928, 56: 411-12
- _____ and E. H. BOWIE – Types of anticyclones of United States and their average movements, Suppl. 4.
- _____ and E. H. BOWIE – Types of storms of United States and their average movements, Suppl. 1.
- _____ and C. G. ROSSBY – Application of polar-front theory to series of American weather maps, 54: 485-86
- WEILENMANN, Prof. August – Progress and present state of research on evaporation..., 42: 158-64
- WEINBERG, Prof. Boris – Crystallization of undercooled water, [il], 37: 14-15
- _____, appointment of, director of, Central Physical Observatory at Leningrad, 52: 166
- WEISS, Dr. Harvey H. – Flood of March 29, 1924, at Cumberland, Md., 52: 180
- WEITZ, Bernard O. – Some illustrative types of Latin-American rainfall, 49: 540-42
- WELCH, Margaret M. – Bibliography of climate of South America, Suppl. 18
- WELLS, Edward L. – Brief study of Oregon temperatures, 61: 38-40
- _____, Dust fall at Portland, Ore., 58: 67
- _____, East winds on north Pacific coast, 51: 522-25
- _____, Economic aspect of climatology, 43: 612-13
- _____, Flood at Boise, Ida., 41: 1104-05
- _____, Floods in Willamette river, 53: 355
- _____, Forecasting tide stages in harbor at Portland, Ore., 47: 804
- _____, Frost fighting in Boise Valley, 38: 1120-21
- _____, Idagon irrigation project, [il], 38: 643-45
- _____, Idaho irrigation project, 38: 805-06
- _____, Precipitation in Oregon, 50: 405-11
- _____, Standing wheat fired by lightning, 48: 452
- _____, Storm of Nov. 19-22, 1921, in Oregon, Washington, and Idaho..., [il], 49: 661-64
- WELLS, P. V. – New turbidimeter, 42: 167
- WELLS, R. A., and W. C. HAINES – Two- theodolite plotting board, [il], 47: 222-23
- _____ and R. C. LANE – Stereoscopic representation of wind movement aloft, [il], 47: 450-51
- _____ and P. PARKER – Value of smudge-pots in preventing frost in cranberry bogs, 53: 351-52
- WELSH, L. A. – Heat and drought of 1913 at Omaha, Neb., 41: 1443-44
- _____, Tornado of March 23, 1913, at Omaha, Neb., 41: 396-97
- WENSTROM, William H. – Radiometeorography as applied to unmanned balloons, 62: 221-26
- WERENSKIOLD, W. - Frozen soil in Spitzbergen, 51: 210
- WEST, Prof. Charles E. – Early experiments in atmospheric electricity 24: 333
- WEST, Dr. Frank L. – Approximate normal temperature as function of latitude..., 49: 224-25
- _____, Simple equation of general application for normal temperature..., 48: 394-96

____ and N. E. EDLEFSEN – Freezing of fruit buds, 49: 21-22
 ____, N. E. EDLEFSEN, and S. P. EWING – Determination of normal temperature..., 47: 877
 WEST, J. H., and J. D. SWARTOUT – Typhoon at Guam, M.I., March 19-27, 1923, 51: 462-63
 WEXLER, H. – Analysis of warm-front-type occlusion, 63: 213-21
 ____, Turbidities of American air masses and conclusions regarding seasonal variation...,
 62: 397-402
 WEYMOUTH, F. S. – Minidoka irrigation project, 39: 131
 WHEATON's, Pilot H. A., flight against terrific headwinds Warren on, 58: 118
 WHEELER, Alfred A. – Climatic data bearing upon culture of date palm, 26: 160
 WHEELER, E. B. – Humidity recorders, 52: 542
 WHERRY, Edgar T. – Snow crystals from crystallographic standpoint, [il], 48: 29-31
 WHIPPLE, F. J. W. – Comments on law of pressure ratios, 52: 94-95
 ____, Formulae for vapor pressure of ice and water below 0 degrees C., 55: 131
 ____, Laws of approach to geostrophic wind, 48: 469
 ____, Mechanism of cyclones, 44: 337
 ____, Motion of particle on surface of smooth rotating globe, 45: 454
 WHIPPLE, G. M. – Magnetic storm of April 16, 1882, at Kew Observatory, April 1882: 22-23
 ____, Results of inquiry into periodicity of rainfall, Feb. 1880: 16-17
 WHISTLER, John T. – Water resources in Oregon and their development, 39: 1432-34
 WHITFIELD, Jesse G. – Meteor of May 7, 1916, at Demopolis, Ala., 44: 325-26
 WHITNEY, Edward N. – Areal rainfall estimates, 57: 462-63
 WHITNEY, Prof. Milton – Breathing of plants, 34: 416
 ____, Climatology versus meteorology, 26: 301-02
 ____, Soil temperature and moisture, 15: 177-78
 ____'s letter on rainfall maps, 30: 233-34
 WHITTEN, J. C. – Frost control and related factors, 47: 570-71
 WHITTIER, J. B. – Old weather diary in northeastern Indiana, 63: 224
 ____, Snowstorm of May 8-9, 1923, in Michigan, 51: 260-61
 WIDMEYER, J. I. – Tornado in Cleveland county, Okla., April 25, 1893, 21: 109
 ____, Unnecessary tornado alarms, 27: 255
 WIEBE's measurement of saturated vapor pressure, 37: 5
 WIESNER, A. – Red snow in Michigan, 37: 156
 WIGAND, A. – Method of measuring visibility, 47: 808
 ____, Observations of neutral points of atmospheric polarization from great heights, 45: 531
 WILD, Prof. Heinrich – Cold of Oct. 1880, at St. Petersburg, Dec. 1882: 25
 ____, Theoretical and practical importance of series of daily weather charts..., 42: 93-94
 WILEY, CC. – Comparison of road sub-grade and air temperatures, 47: 802
 ____, WILKINS', Sir Hubert, proposal for Arctic meteorological stations, 57: 65-66
 WILKINSON, H. E. – Meteorological observations at Public Schools, 27: 550
 ____, Winter thunderstorms in Mississippi, 28: 18
 WILLARD, E. V. – Rainfall and drainage operations, 52: 449
 WILLETT, Hurd C. – Fog and haze, their causes, distribution, and forecasting, 56: 435-68
 ____, Ground plan of dynamic meteorology, 59: 219-23
 ____, Routine daily preparation and use of atmospheric cross sections, 63: 4-7
 ____, Waves and vortices on quasi-stationary boundary surfaces over Europe, 54: 458-
 59
 WILLIAMS, Franklin G. – Upper air observations at sea, 51: 455

- WILLIAMS, Henry E. – Jacob W. Bauer, 38: 1458
 ____, Fire-weather warnings, 44: 133-35
 ____, Prof. Edward B. Garriott, 1853-1910, 38: 820
 ____, Meteorological observations on U. S. lightships, 45: 114
 ____, retirement of, 48: 413
- WILLIAMS, S. Francis, and O. K. BEDDOW - Analysis of precipitation of rains and snows...,
 61: 141-42
- WILLIAMSON, R. N. – Remarkable halo observed at Nashville, Tenn., March 16, 1918,
 46: 120-21
 ____, Sleet and ice storm in Tennessee on March 19, 1934, 62: 97-98
 ____, Tornado in Davidson county, Tenn., May 12, 1923, 51: 262
 ____, Tornado at Nashville, Tenn., on March 14, 1933, 61: 84-85
 ____, Tornado in Tennessee on March 11, 1923, 51: 132
 ____, Tornadoes in Tennessee on April 16, 1921, 49: 198-99
- WILLS, H. Merrill – Drought and heated period of 1913 in Illinois, 41: 1454-55
 ____, Heavy snowfall of Jan. 1929, at Dubuque, Ia., 57: 21-22
 ____, Snowstorms of March 11-18, 1923, at Dubuque, Ia., and vicinity, 51: 130-31
- WILLSEA, J. B. – Alto-cumulus with virgulus, 44: 76-77
 ____, Detailed cloud observations in Colorado, 32: 116
 ____, Lenticular-cumulus clouds in Colorado, 35: 277
 ____, South parhelion observed May 1, 1918, at Fruita, Colo., 46: 267
- WILLSON, George H. – Hottest region in United States, 43: 278-80, 341
 ____, Radio reports give timely notice of rains in California, 51: 127
- WILSON, B. D. – Nitrogen in rainwater at Ithaca, N.Y., 49: 405
- WILSON, C.T.R. – Investigations on lightning discharges and on electric field of thunderstorms,
 49: 241
 ____, Ionization of atmospheric air, 29: 159-62
 ____, Roentgen rays and cloudy condensation, 24: 167-68
- WILSON, W. M. – Indian summer, 30: 440-42
- WINCHELL, Alexander N. – Dustfalls of March 1918, 46: 502-06
- WINN, W. S. – Low water in Kentucky river, 1930, [il], 58: 401-02
- WINSLOW, C. E. A. – Kata thermometer in measure of effect of atmospheric conditions ...,
 44: 516
 ____ and W. W. Browne – Microbic content of indoor and outdoor air, 42: 452-53
- WISE, James H. – Bear Valley hydro-electric development, Cal., [il], 40: 1413-15
- WOEIKOFF, Prof. Alexander – Abstracts of Russian meteorological memoirs, 36: 61-63
 ____, Remarks on Bigelow's studies on circulation of the atmosphere, 32: 118
 ____, Study of evaporation, 36: 63
 ____, 's article on Malayan rainfall, 30: 232
 ____, 's "Meteorologica", Hanzlik on, 32: 554-55
- WOLF's, Prof. R., sun spot investigations, June 1877: 12
 ____, 's sun spot, relative numbers, revision of, 30: 171-76
- WOLFER, Prof. A. – Provisional sun spot relative numbers, Sept. 1927, 55: 419
 ____, Revision of Wolf's sun spot relative numbers, 30: 171-76
 ____, 's sun spot relative numbers, 43: 314; 46: 403; 47: 413;
 48: 459-61; 51: 29; 53: 77; 54: 15, 61, 300; 55: 30

WOLFF, Dr. J. E. – Micro-photographs of snow crystals, 28: 541-42
 WOLLABER, A.B. – Floods in southern California, 38: 132
 _____, Owens Valley and Los Angeles Aqueduct, [il], 38: 129-34
 _____, Severe cold of Dec. 25-26, 1911, in citrus districts of southern California..., 40: 443-46
 _____, Weather conditions at Los Angeles, Cal., 40: 442-43
 WOLLEY, J. – Fresh form of crystallization which takes place in particles of fallen snow..., 33: 158
 WOOD, A.F. – Autumnal coloration of foliage, 31: 270-71
 WOOD, C.S. – Kite flying on U.S. coast guard cutter “Seneca”, May-June 1915, [il], Suppl. 3, pt. 2: 13-14, 18-28
 _____, Observations of surface meteorological conditions on “Seneca”, April-July 1915, Suppl. 3, pt. 2: 15
 _____, Radio weather maps at sea, Suppl. 3, pt. 2: 16-17
 WOOD, H. E. – Climate of South Africa, 47: 489-90
 WOOD, Prof. Robert W. – Green sun of Krakatoa eruption, 34: 408
 _____, Light scattering by air and blue color of sky, 48: 220
 _____, Meteorological optics of Prof. J. M. Pernter, 34: 357-59
 WOODWARD, Dr. R. S. – Static condition of atmosphere, 47: 452-53
 WOODWARD, Prof. S. M. – Fall of meteor near Tucson, Ariz., 25: 57
 _____ and F. A. NAGLER’s paper on flood protection, 56: 372-75
 WOODWARD, W. H. – Unusual solar halo at Portland, Ore., Feb. 15, 1934, 62: 59
 WOODWORTH, Prof. C.W. – Apples, codling moth, and climate, 40: 1574-75
 WOOLARD, Edgar W. – Application of Chrystal’s theory of seiches to Lake Vetter, 54: 297-98
 _____, Boulder halo of Jan. 10, 1918, 48: 331-32
 _____, Development of meteorology as illustrative of role of mathematics..., 51: 645-49
 _____, Exner on dynamical meteorology, 55: 18-20
 _____, Grand Junction halo of March 3, 1906, 48: 332
 _____, Historical note on charts of distribution of temperature, pressure, and winds over earth, 48: 408-11
 _____, History of theory of winds from earliest times to beginning of seventeenth century, 49: 507-09
 _____, Interpretation of correlation coefficients in analysis of causal relations..., 55: 109-10
 _____, Krichewsky’s method of fitting frequency curves, 52: 91-94
 _____, Lower oblique areas of anthelion, 50: 537-39
 _____, Mean variability in random series, 53: 107-11
 _____, Mean variability as statistical coefficient, 49: 132-33
 _____, Measurement of temperature, with some remarks on other physical measurements..., 48: 264-70
 _____, Note on partial correlation, 52: 164-65
 _____, Note on theorems of Dines and Walker, 55: 460-61
 _____, Outline showing formation of elements of halo complex, 48: 332
 _____, Recent contributions to dynamical meteorology, 50: 134-35
 _____, Recent investigations on energy in earth’s atmosphere, 54: 254-55
 _____, Richardson on weather prediction by numerical process, 50: 72-74
 _____, Ryd on traveling cyclones, 52: 36-37
 _____, Variate-difference correlation method, 49: 133

_____, Virginia earthquake of Sept. 5, 1919, 47: 839
_____, Weather Bureau staff meetings, 1926-27, 55: 238-39
_____, Weather Bureau staff meetings, 1927-28, 56: 188
_____'s discussion of Clayton's "Solar Variations", 53: 528
_____'s note on Fulks' paper on rate of precipitation, 63: 292-94
_____'s review of Meyer's "Die Haloerscheinungen", 58: 67
_____, L. T. SAMUELS, and W. R. STEVENS – Graphical thermodynamics of free air,
54: 454-57
WORTH, S.G. – Cloudburst at Erwin, Tenn., 28: 244-45
WRAGGE, Clement L. – Mountain stations in Australia, 26: 166
WREN, Harry B. – Climate and corn, 29: 8-14
_____, Long-range forecasts, 32: 469-70
WRIGHT, Prof. Arthur W. – Observations of atmospheric electricity after eruption of Mt. Pelee,
33: 241-42
WRIGHT, C.S., and R.E. PRIESTLEY – Glaciology, 51: 316-17
WRIGHT, F.B. – Weather Bureau of Japan, 28: 381-82
WRIGHT, Herbert H. – Certain characteristics of winds at Mt. Tamalpais, Cal., 44: 512-14
_____, Fog in relation to wind direction at Mt. Tamalpais, Cal., 44: 343-44
WUEST, Dr. Georg – Evaporation and precipitation on earth, 50: 313-14
WULF's, Oliver R., and E. H. MELVIN's article on effect of temperature on ultraviolet...,
59: 278
WURTZ, George B. – Convenient meteorological records, 60: 219-20
_____, Hurricane of Oct. 12-18, 1910, at Tampa, Fla., 38: 1490
WYATT, Lieut. B.H. – Temperature and humidity of upper air at San Diego, Cal., 53: 349
WYATT, William W. – Notes at Honolulu, Hawaii, during solar eclipse of Aug. 10, 1915,
43: 402-05
WYNNE, W.P. – Atmospheric pollution, 44: 114

“X” – Improved methods for finding altitude and azimuth..., [il], 33: 242-48; 34: 7-9
 YAMAGA, N., and J. LARMOR – Permanent periodicity of sunspots, 45: 576
 YATES, T.P. – Ball lightning, 26: 565
 YOUNG, Floyd D. – Annual rise in Columbia river, 1916, 44: 409-10
 _____, Cause of “smoke” from Mount Hood, [il], 43: 506-07
 _____, Desert winds in southern California, [il], 59: 380-83
 _____, Development and present status of frost-fighting devices, [il], 53: 349-51
 _____, Effect of topography on temperature distribution in southern California, 48: 462-63
 _____, Forecasting minimum temperatures in Oregon and California, [il], Suppl. 16: 53-58
 _____, Further study of relation between cover crops and orchard temperatures, [il], 53: 387-91
 _____, Hurricane of Oct. 16-18, 1910, at Sand Key, Fla., 38: 1489
 _____, Influence of cover crops on orchard temperatures, [il], 50: 521-26
 _____, Influence of exposure on temperature observations, [il], 48: 709-11
 _____, Nocturnal temperature inversions in Oregon and California, [il], 49: 138-48
 _____, Notes on 1922 freeze in southern California, [il], 51: 581-85
 _____, Substitution of fruit temperatures for air temperatures ..., [il], 52: 381-87
 _____, Weather forecasts in relation to marketing of citrus fruits, 57: 425
 _____’s discussion of Nichols’ paper on predicting minimum temperature, 58: 187-89
 _____ and C.C. CATE – Damaging temperatures and orchard heating in Rogue River Valley, Ore., [il], 51: 617-39
 _____ and H. H. KIMBALL – Smudging as protection from frost, 48: 461-62
 YOUNG, R. Frank – Relation of precipitation to streamflow in Montana, 44: 84-86
 _____, Tornado in western Montana, 41: 941
 _____, Tornadoes of March 11, 1917, in Montgomery county, Ohio, 45: 117-18
 _____’s note on Cobservancy weather and flood warning service, 47: 41-42
 YOUNG’s, Sydney, measurement of saturated vapor pressure, 37: 5
 YOUNG’s, Dr. Thomas, lectures on kite, 25: 59
 ZAHM, Prof. A.F. – Air currents, 25: 310-12
 _____, Resume of experiments in aerodynamics, 36: 277-81
 ZEIL, G. – Proportionality between earthquake frequency and rainfall, 48: 356
 _____, Tectonic earthquakes and variations of latitude, 48: 469-70
 ZIEGLER relief expedition, 33: 438
 ZIWET, Prof. Alexander – Retirement of Prof. Klossovskii, 37: 29-30
 ZOCH, Richmond T. – Floods of March to June 1933 in United States, 61: 159-65
 _____, Relation between rainfall and streamflow, 62: 315-22
 ZON, Raphael – Meteorological observations in connection with botanical geography..., 42: 217-23