*Voluntary observers of the Signal Service, on land, from whom meteorological reports were received in time to be used in the preparation of the Monthly Weather Review for June, 1886.*

*Observer and place of observation.*

Andrews, Luman, Southington, Conn.
Adams, Effie, Logan, Iowa.
Alexander, S., Birmingham, Mich.
Anderson, Dr. W. W., Stateburg, S. C.
Altaffer, J. M., Independence, Kans.
Adams, Dr. O. H., Vineland, N. J.
Abbott, Dr. E. K., Salinas, Cal.
Arents, Hiram, Oroville, Cal.
Avey, O. H., Oskaloosa, Iowa.
Adams, A. H., Fort Meade, Fla.
Anderson, Prof. J. T., Fayette, Mo.
Bass, G. S., Quincy, Mass.
Bushnell, W. S., Monticello, Ind.
Bentley, David, Princeton, Cal.
Bryant, A. T., Yutan, Nebr.
Bisbee, Capt. Lewis, Buckfield, Me.
Boerner, Prof. Chas. G., Vevay, Ind.
Boynton, John F., Syracuse, N. Y.
Bayerly, J. F., Spartanburg, S. C.
Ballou, Dr. N. E., Sandwick, Ill.
Bennett, Geo., Bandon, Oreg.
Bell, Joseph, Franklin, Pa.
Brainerd, Dr. H. G., Independence, Iowa.
Baker, Dr. Henry B., Lansing, Mich.
Beall, Dr. R. L., Lenoir, N. C.
Brendel, Dr. Fred., Peoria, Ill.
Bartlett, E. B., Vermillion, N. Y.
Baldwin, A. L., Bethel, Conn.
Briggs, John, Albany, Oreg.
Betts, Prof. Arthur, Webster, Dak.
Breed, J. E., Embarras, Wis.
Boyd, Joseph, Oskaloosa, Iowa.
Boies, Lieut. A. H., Hudson, Mich.
Beans, T. J., Moorestown, N. J.
Beloit College Observatory, Beloit, Wis.
Black, W. H., Kalamazoo, Mich.
Blachly, C. P., Manhattan, Kans.
Bridges, Q. A., Berlin Mills, N. H.
Beecher, Chas., Wysox, Pa.
Bowman, Peter, Ruggles, Ohio.
Cook, S. A., Milledgeville, Ga.
Carrington, G. D., Brownville, Nebr.
Clark, T. A., Wausau, Wis.
Charbonnier, Prof. L. H., Athens, Ga.
Casey, Geo., Auburn, N. Y.
Crawford, E. A., Liberty Hill, La.
Curtiss, G. G., Fallston, Md.
Cornell University, Ithaca, N. Y.
Cutting, Dr. Hiram A., Lunenburg, Vt.
Crosier, Adam, Laconia, Ind.
Caulkins, John S., Thornville, Mich.
Cass, John J., Allison, Kans.
Cleveland, Dr. G. H., Pentwater, Mich.
Collie, G. L., Delevan, Wis.
Cotton, Dr. D. B., Portsmouth, Ohio.
Cheney, Wm., Minneapolis, Minn.
Culver, G. E., Vermillion, Dak.
Carter, Rev. Dr. W. H., Tallahassee, Fla.
Collin, Prof. A., Mount Vernon, Iowa.
Cummings, L. D., Palmyra, N. Y.
Chubbs, Thos. H., Post Mills, Vt.
Cole, Seward, Cahuenga, Cal.
Cutler, B. B., Heath, Mass.
Childs, W. H., Brattleborough, Vt.
Clark, T. A., Weldon, N. C.
Cochran, Wm. P., Wakefield, Kans.
Colton, Prof. G. H., Hiram, Ohio.
Caffee, Wm. K., Carthage, Mo.
Chandler, Dr. W. J., South Orange, N. J.
Cass, W. Earle, Roseland, N. J.
Calhoun, P. B., Austin, Tenn.
Chapin, Adams, Poway, Cal.
Dudley, C. B., Altoona, Pa.
Dazey, J. B., Charleston, Ill.
Dow, Roswell, Sycamore, Ill.

*Observer and place of observation.*

Deming, H. D., Wellsborough, Pa.
Dozier, Wm., Mattoon, Ill.
Dewhurst, Rev. E., Voluntown, Conn.
Day, Theodore, Dyberry, Pa.
Dawson, Wm., Spiceland, Ind.
Dechant, W. H., Mahanoy Plane, Pa.
Davis, W. O., Bloomington, Ill.
Dinsmore, jr., Prof. T. H., Emporia, Kans.
Everett, Dr. J. T., Clyde, Ohio.
Ellsworth, W. W., Hartford, Conn.
Eliason, W. A., Statesville, N. C.
Eckstein, Rev. M., Conception, Mo.
Ellis, John, Marquette, Nebr.
Ewell, Dr. M. D., South Evanston, Ill.
Fox, G. W., Murietta, Cal.
Ford, H. C., El Dorado, Kans.
Ferris, B. F., Summan, Ind.
Friend, Chas. W., Carson City, Nev.
Fleming, J., Readington, N. J.
Field, Theo. G., Parkersburg, W. Va.
Fernald, Prof. M. C., Orono, Me.
Frick, John H. Warrenton, Mo.
Foss, E. T., Hydesville, Cal.
Fuller, Edw. N., Tacoma, Wash. T.
Gore, Prof. J. W., Chapel Hill, N. C.
Gray, F. R., Yates Centre, Kans.
Gates, W. B., Burlington, Vt.
Graves, A. B., Belleville, Kans.
Gillingham, Milnor, Fallsington, Pa.
Gardiner, R. H., Gardiner, Me.
Gustin, M., Troy, Pa.
Gowey, H. D., North Lewisburg, Ohio.
Green, Dr. Jesse C., West Chester, Pa.
Gerrish, S. H., Sacramento, Cal.
Gray, J. W., Stockham, Nebr.
Goodwin, Wm., North Colebrook, Conn.
Goodspeed, Chas. W., Elyria, Ohio.
Gillingham, W., Accotink, Va.
Garlick, Rev. Dr. J. R., Bruington, Va.
Gray, Capt. A. W., Kenewick, Wash. T.
Heath, E. R., Wyandotte, Kans.
Harvard College Observatory, Cambridge, Mass.
Hammitt, John W., College Hill, Ohio.
Heaton, Isaac E., Fremont, Nebr.
Hoskinson, R. M., Bainbridge Island, Wash T.
Heacock, J. L., Quakertown, Pa.
Hyde, G. A., Cleveland, Ohio.
Haywood, John, Westerville, Ohio.
Hartzler, J. A., Mottville, Mich.
Hole, Joseph, Butlerville, Ind.
Hager, Mrs. L. G., Terre Haute, Ind.
Held, Rev. F. B., Mount Angel, Oreg.
Houghton Farm Experiment Station, Mountainville, N. Y.
Heatwole, L. J., Dale Enterprise, Va.
Hazen, Rev. A. Deerfield, Mass.
Hamilton, W. H., Corsicana, Tex.
Hatch, A. H., Windsor, Ill.
Harris, W. C., Dover, N. J.
Hodge, Rev., F. B., Wilkesbarre, Pa.
Humphrey, Dr. I., Fairbury, Nebr.
Hall, J. B. Worcester, Mass.
Hunter, Dr. T. C., Napoleon, Ohio.
Hall, Chas. C., Dudley, Mass.
Horn, Dr. H. B., Atchison, Kans.
Hurlin, Rev. Wm., Antrim, N. H.
Helm, Thos. B., Logansport, Ind.
James, John W., Marengo, Ill.
Jones, Dr. E U., Taunton, Mass.
Jackson Company, Nashua, N. H.
Jordan, Dr. M. D. L., Milan, Tenn.
Jones, Ira B., Neillsville, Wis.

*Observer and place of observation.*

Jones, F. M., Puerto de Luna, N. Mex.
Kirkwood, E., Mauzy, Ind.
Knapp, J. G., Limona, Fla.
Keese, G. Pomeroy, Cooperstown, N. Y.
Kuhne, F. W., Fort Wayne, Ind.
King, W. R., Yellow Springs, Ohio.
Kent, Miss Emily, Phillipsburg, N. J.
Kedzie, D. H. Midland, Tex.
Keese, G. Pomeroy, Cooperstown, N. Y.
Lueps, Miss Anna, Manitowoc, Wis.
Lincoln, A. T., Marion, Va.
Loomis, J. C., Jeffersonville, Ind.
Luther, S. M., Garrettsville, Ohio.
Ladshaw, Geo. E., Pacolet, S. C.
Lamb, Miss Bertha E., Sterling, Kans.
Loud, Prof. F. H., Colorado Springs, Colo.
Lerch & Rice, Bethlehem, Pa.
Lowndes, R. T., Clarksburg, W. Va.
Morgan, L. Ray, Philipsburg, Pa.
Miller, H. D., Drifton, Pa.
McDonogh Institute, McDonogh, Md.
McCready, Miss L. A., Fort Madison, Iowa.
Moore, C. R., Bird's Nest, Va.
Micklen, J. H., Variety Mills, Va.
Macrae, Colin, Kirkwood, S. C.
Meehan, Thos., Germantown, Pa.
Moore, Nathan, Grampian Hills, Pa.
Mikesell, Thos., Wauseon, Ohio.
Marshall, G., Cresco, Iowa.
Mitchell, Dr. D. W., Harrisville, Mich.
Moore, Dr. J. W., Easton, Pa.
Motte, L. S., West Milton, Ohio.
Mackey, T. C., Gardiner, Oreg.
Newbegin, John D., Anna, Ill.
Newcomb, G. S., Westborough, Mass.
Norcom, Prof. T. J., Reidsville, N. C.
Neal, Dr. J. C., Archer Fla.
Nordberg, A., Richardton, Dak.
Olds, H. D., Cedar Rapids, Iowa.
Owsley, Dr. J. B., Jacksonborough, O.
Osborn, Dr. T. C., Cleburne, Tex.
Penrod, Dr. H. J., Upper Mont Clair, N. J.
Pearce, Thomas, Eola, Oreg.
Pifer, F. S., Hanover, N. H.
Partrick, J. M., North Volney, N. Y.
Purdue University, Lafayette, Ind.
Pettersón, Dr. F., Comfort, Tex.
Pendleton, A., Nicolans, Cal.
Postma, H. Y., Egg Harbor City, N. J.
Roeder, W. F., Zionsville, Pa.
Robins, Chas. E., Alvah, Fla.
Rotch, A. L., Blue Hill Obs'y, Mass.
Romig, J. K., La Grande, Oreg.
Randall, E. H., Poultney, Vt.
Renfew, H. N., Bancroft, Iowa.
Remington, C. V. S., Fall River, Mass.
Robertson, T. D., Rockford, Ill.
Rogers, F. M., Luling, La.
Rerick, R. H., La Grange, Ind.
Rodman, T. R., New Bedford, Mass.
Runge, C., New Ulm, Tex.
Richardson, C. F., Beverly, N. J.
Rockwood, Prof. C. G., Princeton, N. J.
Smith, B. B., Topeka, Kans.
Shaw, E. Ninnescah, Kans.
Strong, W. C., Kent's Hill, Me.
Sanders, T. B. Susanville, Cal.
Smith, H. D., Muscatine, Iowa.
Shriver, E. T., Cumberland, Md.
Seltz, Chas., De Soto, Nebr.
Scott, Thos. G., Forsyth, Ga.
Stucky, Dr. C. T., Helvetia, W. Va.

*Observer and place of observation.*

Slade, Elisha, Somerset, Mass.
Shriver, Howard, Wytheville, Va.
Sonedecker, Rev. T. H., Fostoria, Ohio.
Stunkard, L. E., East Brook, Pa.
Snow, Prof. F. H., Lawrence, Kans.
Sim, J. R., Summit, Va.
Scribner, H. F. J., Strafford, Vt.
Strong, S. B., Setauket, N. Y.
Somerville, W. B., Birmingham, Ala.
Samostz, Oscar, Austin, Tex.
Safford, A. T., Williamstown, Mass.
Sherman, W. B., Manchester, Iowa.
Standenmayer, Dr. L. R., Lincolnton, N. C
Spilman, J. J., Pierce City, Mo.
Swezey, Prof. G. D., Crete, Nebr.
Sacred Heart College, Prairie du Chien, Wis.
Stalls, T. J., Paris, Tenn.
Snell, S. C., Amherst, Mass.
Tilford, C. M., Mount Blanco, Tex.
Tremibley, Dr. J. B., Oakland, Cal.
Todd, Prof. David P., Amherst, Mass.
Thornton, Prof. N., Geneseo, Ill.
Teele, Rev. A. K., Blue Hill, Mass.
Truman, Geo. S., Genoa, Nebr.
Turnbo, Silas C., Pro Tem, Mo.
Tillinghast, C. B., Albany, N. Y.
Terborg, Rev. J. E., Pekin, Ill.
Voegeli, Adolphus, Des Moines, Iowa.
Went, E. C., Frankfort, Ky.
Washburn Observatory, Madison, Wis.
Wild, Rev. E. P., Newport, Vt.
Williams, Rev. C. F., Ashwood, Tenn.
Wing, Miss M. E., Charlotte, Vt.
West, Silas, Cornish, Me.
Wylie, Wm., Mount Forest, Canada.
Wait, S. E., Traverse City, Mich.
Woodstock College, Woodstock, Md.
Whittaker, J. S., Corydon, Iowa.
Wolfe, John H., Wellington, Kans.
West, Dr. Jos. O., Princeton, Mass.
Washington Aqueduct. { Receiving Reservoir, D.C; Distributing " ; Great Falls Reservoir, Md; Rock Creek Bridge, D. C.
Winipiscogee Lake Cotton and Woolen Manufacturing Co. { Weir's Bridge, N. H.; Woodstock, N. H.; Wolfborough, N. H.; Lake Village, N. H.; Bristol, N. H.; Belmont, N. H.; Ashland, N. H.
Willis, O. R., A. M., Ph. D., White Plains, N. Y.
Watters, Dr. Jas., Westmoreland, Kans.
Williams, Dr. A. C., Elk Falls, Kans.
Wigg, Dr. Geo., East Portland, Oreg.
Wright, J. W. A., Greensborough, Ala.
Whitmore, J. E., Gallinas Spring, N. Mex.
Wadsworth, Dr. J. L. R., Collinsville, Ill.
Widman, Rev. C. M., Grand Coteau, La.
Williams, Dr. A. C., Elk Falls, Kans.
Watson, Evan, Fort Scott, Kans.
White, Rev. J. H., Merritt's Island, Fla.
Whitney, Chas. E., Humphrey, N. Y.
Wilson, W. T., Clayton, N. J.
Wood, Jos., Bar Harbor, Me.
Wearmouth, J., University of Virginia, Va.
Waterman, Wm., Hay Springs, Nebr.
Yetter, Wm. G., Catawissa, Pa.
Yates, T. P., Factoryville, N. Y.
Young, Geo. R., Penn Yan, N. Y.

*Military posts from which meteorological reports were received, through the Surgeon General of the Army, in time to be used in the preparation of the Monthly Weather Review for June, 1886.*

Alcatraz Island, Cal.
Angel Island, Cal.
Assinaboine, Fort, Mont.
A. Lincoln, Fort, Dak.
Benicia Barracks, Cal.
Bidwell, Fort, Cal.
Brady, Fort, Mich.
Bridger, Fort, Wyo.
Bayard, Fort, N. Mex.
Boisé, Fort, Idaho.
Cœur d'Alene, Ft., Idaho.
Columbus, Fort, N. Y. H.
Concho, Fort, Texas.
David's Island, N. Y. H.
Ellis, Fort, Mont.
Fred Steele, Fort, Wyo.
Gaston, Fort, Cal.
Gibson, Fort, Ind. T.
Halleck, Fort, Nev.
Hays, Fort, Kans.
Huachuca, Fort, Ariz.
Klamath, Fort, Oreg.
Keogh, Fort, Mont.
Lowell, Fort, Ariz.
Laramie, Fort, Wyo.
Lewis, Fort, Colo.
Mead, Fort, Dak.
McKinney, Fort, Wyo.
McIntosh, Fort, Tex.
Missoula, Fort, Mont.
Mason, Fort, Cal.
Madison Barracks, N. Y.
McDermit, Fort, Nev.
Monroe, Fort, Va.
McDowell, Fort, Ariz.
McHenry, Fort, Md.
Mount Vernon B'ks, Ala.
Niagara, Fort, N. Y.
Niobrara, Fort, Nebr.
Presidio of San Francisco, Cal.
Plattsburg Barracks, N. Y.
Pembina, Fort, Dak.
Randall, Fort, Dak.
Robinson, Fort, Nebr.
Reno, Fort, Ind. T.
Riley, Fort, Kans.
Ringgold, Fort, Tex.
Spokane, Fort, Wash. T.
Snelling, Fort, Minn.
Saint Augustine, Fort, Fla.
Sisseton, Fort, Dak.
Shaw, Fort, Mont.
Selden, Fort, Nebr.
Sully, Fort, Dak.
Sidney, Fort, Nebr.
Supply, Fort, Ind. T.
Totten, Fort, Dak.
Townsend, Ft., Wash. T.
Union, Fort, N. Mex.
Verde, Fort, Ariz.
Washakie, Fort, Wyo.
West Point, N. Y.
Walla Walla, Ft., Wash. T.
Wingate, Fort, N. Mex.
Yates, Fort, Dak.

*State weather services from which meteorological reports were received in time to be used in the preparation of the Monthly Weather Review for June, 1886.*

Alabama State Weather Service, under direction of Prof. P. H. Mell, jr., Auburn, Alabama.
Colorado State Weather Service, under direction of Prof. F. H. Loud, Colorado Springs, Colorado.
Georgia Weather Service, under direction of Hon. J. T. Henderson, Commissioner of Agriculture, Atlanta, Georgia.
Indiana State Weather Service, under direction of Prof. H. A. Huston, La Fayette, Indiana.
Minnesota State Weather Service, under direction of Prof. W. W. Payne, Northfield, Minnesota.
Missouri State Weather Service, under direction of Prof. Francis E. Nipher, Saint Louis, Missouri.
Nebraska Weather Service, under direction of Prof. Goodwin D. Swezey, Crete, Nebraska.
New England Meteorological Society, Prof. Winslow Upton of Providence, R. I., President; Mr. W. M. Davis, of Cambridge, Mass., Secretary.
Ohio State Weather Service, under direction of Prof. B. F. Thomas, of the Ohio State University, Columbus, Ohio.
Tennessee State Weather Service, under direction of Major H. C. Bate, Nashville, Tennessee.
Data have also been used from meteorological records of the Central Pacific and Southern Pacific railway companies.