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 January, 1886.

Observer and place of observation.

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.
Allen, J. H., Penrod, Ky.
Bisbee, Capt. Lewis, Buckfield, Me.
Boerner, Prof. Chas. G., Vevay, Ind.
Ballou, Dr. N. E., Sandwick, Ill.
Boynton, John F., Syracuse, N. Y.
Bayerly, J. F., Spartanburg, S. C.
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.
Beebe, A., Manistique, Mich.
Boies, Lieut. A. H., Hudson, Mich.
Beans, T. J., Moorestown, N. J.
Barney, W., Stowe, Vt.
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.
Calhoun, P. B., Austin, Tenn.
Cowgill, Prof. E. B., Manhattan, Kans.
Cutler, J. L., Quitman, Ga.
Charbonnier, Prof. L. H., Athens, Ga.
Cotton, Dr. D. B., Portsmouth, Ohio.
Clark, A. C., Wausau, Wis.
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.
Clark, T. A., Weldon, N. C.
Cass, John J., Allison, Kans.
Cleveland, Dr. G. H., Pentwater, Mich.
Carpenter, Dr. W. B., Leavenworth, K.
Christ, Jacob, Franklin, Wis.
Carpenter, Prof. L. G., Lansing, Mich.
Cheney, Wm., Minneapolis, Minn.
Culver, G. E., Vermillion, Dak.
Carter, Rev. Dr. W. H., Tallahassee, Fla.
Comstock, Prof. F. M., Le Roy, N. Y.
Collin, Prof. A., Mount Vernon, Iowa.
Cummings, L. D., Palmyra, N. Y.
Cooper, Dr. Geo. C., Manatee, Fla.
Corbin, F. E., Dudley, Mass.
Chubbs, Thos H., Post Mills, Vt.
Cole, Seward, Cahuenga, Cal.
Cutler, B. B., Heath, Mass.
Chapin, Adams, Poway, Cal.
Childs, W. H., Brattleborough, Vt.
Capen, F. F., Waterville, Me.
Cochran, Wm. P., Wakefield, Kans.
Deming, H. D., Wellsborough, Pa.
Dozier, Wm., Mattoon, Ill.
Dewhurst, Rev. E., Voluntown, Conn.
Dunlap, W. L., Tecumseh, Nebr.
Day, Theodore, Dyberry, Pa.
Dawson, Wm., Spiceland, Ind.
Davis, W. O., Bloomington, Ill.

Observer and place of observation.

Dunton, Lieut. W. R., Dorset, Vt.
DeJongh, J. I., San José, Costa Rica.
Dinsmore, jr., Prof. T. H., Emporia, Kans.
Dunlap, J. B., Charleston, Ill.
Eliason, W. A., Statesville, N. C.
Eckstein, Rev. M., Conception, Mo.
Ellis, John, Marquette, Nebr.
Ellsworth, W. W., Hartford, Conn.
Everett, Dr. J. T., Clyde, Ohio.
Ewell, Dr. M. D., South Evanston, Ill.
Elliott, Rev. J. C., Swanwick, Ill.
Ferris, B. F., Sunman, Ind.
Fuller, E. N., Tacoma, Wash. T.
Friend, Chas. W., Carson City, Nev.
Fleming, J., Readington, N. J.
Field, Thos. G., Parkersburg, W. Va.
Ferguson, W., Paterson, N. J.
Fernald, Prof. M. C., Orono, Me.
Foss, E. T., Hydesville, Cal.
Gore, Prof. J. W., Chapel Hill, N. C.
Gray, W. B., Morgan City, La.
Gibson, J. H., Salina, Kans.
Geddings, Dr. W. H., Aiken, S. C.
Gates, W. B., Burlington, Vt.
Grathwohl, John, Blooming Grove, Pa.
Gillingham, Milnor, Fallsington, Pa.
Gardiner, R. H., Gardiner, Me.
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.
Gray, F. R., Yates Centre, Kans.
Gillingham, W., Accotink, Va.
Garlick, Rev. Dr. J. R., Bruington, Va.
Gray, Capt. A. W., Kenewick, Wash. T.
Heath, E. R., Wyandotte, Kans.
Horn, Dr. H. B., Atchison, Kans.
Hiram College, Hiram, Ohio.
Harvard College Observatory, Cambridge, Mass.
Hammitt, John W., College Hill, Ohio.
Heaton, Isaac E., Fremont, Nebr.
Helm, Thos. B., Logansport, Ind
Hoskinson, R. M., Bainbridge Island, Wash T.
Hyde, G. A., Cleveland, Ohio.
Haywood, John, Westerville, Ohio.
Hartzler, J. A., Mottville, Mich.
Hall, J. B., Worcester, Mass.
Hager, Mrs. L. G., Terre Haute, Ind.
Howe, Prof. J. L., Richmond, Ky.
Houghton Farm Experiment Station, Mountainville, N. Y.
Heatwole, L. J., Dale Enterprise, Va.
Harper, Geo. W., Cincinnati, Ohio.
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.
Heacock, J. L., Quakertown, Pa.
Harris, T. C., Raleigh, N. C.
Hanson, Olof, Kendall Green, D. C.
Hunter, Dr. T. C., Napoleon, Ohio.
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.
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.

Observer and place of observation.

King, W. R., Yellow Springs, Ohio.
Kauffman, H. W., Quakertown, Pa.
Kedzie, D. H. Midland, Tex.
Kent, Miss E., Phillipsburg, N. J.
Lueps, Miss Anna, Manitowoc, Wis.
Lincoln, A. T., Marion, Va.
Loomis, J. C., Jeffersonville, Ind.
Lay, Dr. F. H., Pueblo, Colo.
Luther, S. M., Garrettsville, Ohio.
Ladshaw, Geo. E., Pacolet, S. C.
Lamb, Miss Bertha E., Sterling, Kans.
Loud, Prof. F. H., Colorado Springs, Colo.
Laughlin, D. L., Knightstown, Ind.
Matzinger, Rev. P. F., Preston, Minn.
Munn, A. M., Kalamazoo, Mich.
McPherson, Wm., Ross Valley, Cal.
McDonogh Institute, McDonogh, Md.
McCready, Miss L. A., Fort Madison, Iowa.
Moore, C. R., Bird's Nest, Va.
Micklen, J. H., Variety Mills, Va.
Metcalf, Dr. John G., Mendon, Mass.
McKenzie, Dr. M., Centreville, Mo.
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 Melton, Ohio.
Nordberg, A., Richardton, Dak.
Newbegin, John D., Anna, Ill.
Newcomb, G. S., Westborough, Mass.
Norcom, Prof. T. J., Reidsville, N. C.
Nelson, P. P., Northpoint, Mich.
Osborn, Dr. Thos. C., Cleburne, Tex.
Olds, H. D., Cedar Rapids, Iowa.
Owsley, Dr. J. B., Jacksonborough, O.
Pearce, Thomas, Eola, Oreg.
Pritchett, Prof. H. C., Huntsville, Tex.
Partrick, J. M., North Volney, N. Y.
Purdue University, Lafayette, Ind.
Petterson, Dr. F., Comfort, Tex.
Pendleton, A., Nicolaus, Cal.
Payne, Prof. W. W., Carleton College, Northfield, Minn.
Peele, Capt. A., New Westminster, B. C.
Roeder, W. F., Dillingersville, Pa.
Rotch, A. L., Blue Hill Obs'y, Mass.
Randall, E. H., Poultney, Vt.
Renfew, H. N., Bancroft, Iowa.
Rockwood, Prof. C. G., Princeton, N. J.
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.
Starr, Prof. F. Cedar Rapids, Iowa.
Shaw, E. Ninnescah, Kans.
Strong, W. C., Kent's Hill Me.
Sanders, T. B. Susanville, Cal.
Simmons, Prof. W. G., Wake Forest, N. C.
Shriver, E. T., Cumberland, Md.
Seltz, Chas., De Soto, Nebr.
Scott, Thos. G., Forsyth, Ga.
Stucky, Dr. C. T., Helvetia, W. Va.
Slade, Eliseus, Somerset, Mass.
Shriver, Howard, Wytheville, Va.
Sonedecker, Rev. T. H., Fostoria, Ohio.
Slenker, Mrs. E. D., Snowville, Va.
Sim, J. R., Summit, Va.
Scribner, H. F. J., Strafford, Vt.
Sargent, J. B., Leicester, Mass.

Observer and place of observation.

Strong, S. B., Setauket, N. Y.
Somerville, W. B., Birmingham, Ala.
Samostz, Oscar, Austin, Tex.
Shepard, E. M., Springfield, Mo.
Safford, A. T., Williamstown, Mass.
Sherman, W. B., Manchester, Iowa.
Smith, Rev. D. W., Troy, Pa.
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., Moorestown, N. J.
Smyth, B. B., Topeka, Kans.
Trembley, 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.
Turner, Ernest, Point Pleasant, La.
Thompson, R. J., Tiffin, Ohio.
Voegeli, Adolphus, Des Moines, Iowa.
Vermillion, W. W., Frankford, Mo.
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.
Walton, J. P., Muscatine, Iowa.
Wait, S. E., Traverse City, Mich.
Woodstock College, Woodstock, Md.
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.
Winipiseogee 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.
Wetmore, E. L., Tucson, Ariz.
Wright, J. W. A., Greensborough, Ala.
Whitmore, J. E., Gallinas Spring, N. Mex.
Walters, H. H., Christianburg, Va.
Wistrom, M. F., Harvard, Nebr.
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.
Ward, J. B., Guilford, Ind.
Whitney, Chas. E., Humphrey, N. Y.
Whittington, G., Mount Ida, Ark.
Wilson, W. T., Clayton, N. J.
Wood, Joseph, 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.
Zimmerman, F. C., Bunker Hill, Ill.

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 January, 1886.

Alcatraz Island, Cal.
Angel Island, Cal.
Assiniboine, Fort, Mont.
A. Lincoln, Fort, Dak.
Benicia Barracks, Cal.
Bidwell, Fort, Cal.
Brady, Fort, Mich.
Bridger, Fort, Wyo.
Buford, Fort, Dak.
Boisé, Fort, Idaho.
Cœur d'Alene, Idaho.
Clark, Fort, Tex.
Concho, Fort, Tex.
Columbus, Fort, N. Y.
David's Island, N. Y. H.
Ellis, Fort, Mont.
Fred Steele, Fort, Wyo.
Gaston, Fort, Cal.
Halleck, Fort, Nev.
Hays, Fort, Kans.
Huachuca, Fort, Ariz.
Keogh, Fort, Mont.
Klamath, Fort, Oreg.
Laramie, Fort, Wyo.
Lewis, Fort, Colo.
Lyon, Fort, Colo.
McIntosh, Fort, Tex.
McKinney, Fort, Wyo.
Mason, Fort, Cal.
Madison Barracks, N. Y.
McDermitt, 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.
Preble, Fort, Me.
Randall, Fort, Dak.
Robinson, Fort, Nebr.
Reno, Fort, Ind. T.
Riley, Fort, Kans.
Ringgold, Fort, Tex.
Snelling, Fort, Minn.
Saint Augustine, Fla.
Sully, Fort, Dak.
Sisseton, Fort, Dak.
Shaw, Fort, Mont.
Spokane, Fort, Wash. T.
Selden, Fort, Nebr.
Sidney, Fort, Nebr.
Supply, Fort, Ind. T.
Totten, Fort, Dak.
Townsend, Fort, Wash. T
Union, Fort, N. Mex.
Verde, Fort, Ariz.
Washakie, Fort, Wyo.
Wingate, Fort, N. Mex.
West Point, N. Y.
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 January, 1886.

Alabama State Weather Service, under direction of Prof. P. H. Mell, jr., Auburn, Alabama.
Illinois Weather Seavice, under direction of Mr. Charles F. Mills, Springfield, Illinois.
Indiana State Weather Service, under direction of Prof. H. A. Huston, La Fayette, Indiana.
Indiana State Weather Service, under direction of Prof. W. H. Ragan, De Pauw University, Greencastle, 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; Prof. 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.