

## Bibliography

### Archives and Collections

National Archives and Records Administration (NARA), Washington, DC,

Record Group 78.2 Records of the Naval Observatory

Entry 1 letters sent

Entry 7 letters received

Utrecht Archives (UA), Utrecht

Entry 90 KNMI, Royal Dutch Meteorological Institute

National Archives of the Netherlands (NA), The Hague

Entry 2.12.01 Ministry of Navy.

Académie Royale de Belgique, Brussels

Correspondence of Adolphe Quetelet (CAQ)

Alexander Buchan

C. H. D. Buys Ballot

Heinrich Dove

Establishment Observatory

Robert Fitzroy

John F. W. Herschel

Alexander von Humboldt

International Maritime Conference of Brussels

International Meteorological Congress of Vienna

Marin H. Jansen

Frederik Krecke

Karl Kreil

Matthew Maury

Richard van Rees

Edward Sabine

Robert H. Scott

## Periodical Publications

*Algemeene Konst- en Letterbode*

*Annalen der Physik*

*Archiv für die Holländischen Beiträge zur Natur- und Heilkunde*

*Archives néerlandaises des sciences exactes et naturelles*

*Civil Engineer and Architect's Journal*

*Comptes rendus hebdomadaires des séances de l'Académie des Sciences*

*De Gids*

*Die Fortschritte der Physik im Jahre*

*Edinburgh Review, Or Critical Journal*

*Göttingische gelehrte Anzeigen*

*Hansard's Parliamentary Debates*

*Journal of the Senate of the United States of America*

*London, Edinburgh and Dublin Philosophical Magazine and Journal of Science*

*Natuurkundig tijdschrift voor Nederlandsch Indië*

*Proceedings of the Literary and Philosophical Society of Manchester*

*Proceedings of the Royal Society of London*

*Repertorium der Physik*

*Reports of the Meetings of the British Association for the Advancement of Science*

*Revue Maritime et Coloniale*

*Symons's Monthly Meteorological Magazine*

*Transactions of the Royal Society of Edinburgh*

*Verslagen en Mededeelingen der Koninklijke Akademie van Wetenschappen: Afdeling Natuurkunde.*

*Zeitschrift der Österreichischen Gesellschaft für Meteorologie*

## Other Published Sources

Abbe, Cleveland, "Physics of the Globe," *Annual Record of Science and Industry*, 1879, 8:91–210.

- Achbari, A. and F. van Lunteren, "Dutch Skies, Global Laws: the British Creation of 'Buys Ballot's law'," *Historical Studies in the Natural Sciences*, 2016, 46: 1–43.
- Achbari, Azadeh, "Building Networks for Science: Conflict and Cooperation in Nineteenth-Century Global Marine Studies," *Isis*, 2015, 106: 257–82.
- Ackerman, Steven A. and John A. Knox, *Meteorology: Understanding the Atmosphere*, 4th ed., (Burlington: Jones & Bartlett Learning, 2015).
- Agnew, Duncan Carr, "Robert Fitzroy and the Myth of the 'Marsden Square': Transatlantic Rivalries in Early Marine Meteorology," *Notes and Records of the Royal Society London*, 2004, 58:21–46.
- Ahrens, C. Donald, *Essentials of Meteorology: An Invitation to the Atmosphere, Fifth Edition* (Belmont: Thomson Higher Education, 2008).
- Anderson, Katharine, "Mapping Meteorology," in *Intimate Universality. Local and Global Themes in the History of Weather and Climate*, ed. J. R. Fleming, V. Jankovic, and D. R. Coen (Sagamore Beach, MA: Science History Publications, 2006), 69–91.
- Anderson, Katharine, *Predicting the Weather: Victorians and the Science of Meteorology* (Chicago and London: University of Chicago Press, 2005).
- Aubin, David, Charlotte Bigg, and H. Otto Sibum, "Introduction: Observatory Techniques in Nineteenth-Century Science and Society," in eds. David Aubin, Charlotte Bigg, and H. Otto Sibum, *Heavens on Earth. Observatories and Astronomy in Nineteenth-Century Science and Culture* (Durham and London: Duke University Press, 2010).
- Bateson, B., *William Bateson, F.R.S., Naturalist: His Essays and Addresses together with a short Account of his Life* (Cambridge: Cambridge University Press, 1928).
- Baxendell, Joseph, "On the Recent Suspension, by the Board of Trade, of Cautionary Storm Warnings," *Proceedings of the Literary and Philosophical Society of Manchester*, 1867, 6:41–48.

- Beek, P. van, *Inventaris van het archief van het Koninklijk Nederlands Meteorologisch Instituut (1852) 1854–1951* (Utrecht, 1994).
- Benitos Viñes, P., *Apuntes relativos a los Huracanes de las Antillas* (n.p., 1877).
- Bergeron, Tor, “Synoptic Meteorology: An Historical Review,” *Pure and Applied Geophysics*, 1980/81, 119:443–473.
- Berghaus, Heinrich, *Physikalischer Atlas oder Sammlung von Karten, auf denen die hauptsächlichsten Erscheinungen der anorganischen und organischen Natur nach ihrer geographischen Verbreitung und Vertheilung bildlich dargestellt sind. Zu Alexander von Humboldt, Kosmos* (Frankfurt am Main 2004).
- Bezold, W. von, “Nachruf an Christoph Heinrich Dietrich Buys-Ballot,” *Verhandlungen der Physikalischen Gesellschaft zu Berlin*, 1890, 9, no. 4:19–26.
- Bleibtreu, Ludwig, Gerard Moll, and Friedrich Kaiser, *Beschrijving van den sterrenhemel* (Amsterdam: Sulpke, 1830).
- Bossut, Charles, *Essai sur l’Histoire Générale des Mathématiques. Tome Second* (Paris: Louis, 1802).
- Boumans, Marcel, *Science outside the Laboratory, Measurement in Field Science and Economics* (Oxford, 2015).
- Bourgoin, Jean, “La carte marine française, de ses débuts à 1800,” *Bulletin du Comité Français de Cartographie*, 1987, 113:30–32.
- Bowler, Peter J. and Iwan Rhys Morus, *Making Modern Science: A Historical Survey* (Chicago: University Chicago Press, 2005).
- Brewster, David, “Correction of an Error in Prof. Dove’s Letter on the Law of Storms,” *The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science*, 1841, 18, no. 119:514–515.
- [Brewster, David], [untitled review], *The Edinburgh Review, Or Critical Journal*, 1839, 68, no. 138:406–432.
- Brock, W. H., “Humboldt and the British: A Note on the Character of British Science,” *Annals of Science*, 1993, 50:365–72.
- Bruce, Robert V., *The Launching of Modern American Science 1846–1876* (New York: Alfred A. Knopf, 1987).
- Bruhns, C., H. Wild and C. Jelinek, “Einladung zu einer im August d. J. in Leipzig abzuhaltenden Meteorologen-Versammlung,“

- Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1872, 7 (12):193–196.
- Brush, Steven G., *The History of Modern Science: A Guide to the Second Scientific Revolution, 1800-1950* (Ames, Iowa 1988).
- Buchan, Alexander, “Examination of the Storms of Wind which occurred in Europe during October, November, and December 1863,” *Transactions of the Royal Society of Edinburgh*, 1867, 24:191–206.
- Buchan, Alexander, *Handy Book of Meteorology* (Edinburgh and London: William Blackwood and Sons, 1867).
- Buchan, Alexander, *Handy Book of Meteorology*, 2nd ed., (Edinburgh and London: William Blackwood and Sons, 1868).
- Bud, Robert, “‘Applied Science’: A Phrase in Search of a Meaning,” *Isis*, 2012, 103:537–545.
- Burnett, D. Graham, “Matthew Fontaine Maury’s ‘Sea of Fire’: Hydrography, Biogeography, and Providence in the Tropics,” in *Tropical Visions in an Age of Empire*, ed. Felix Driver and Luciana Martins (Chicago: University Chicago Press, 2005).
- Burstyn, Harold L., “Redfield, William C.,” *Complete Dictionary of Scientific Biography* vol. 11 (Detroit 2008).
- Burton, James, “History of the British Meteorological Office to 1905” (PhD dissertation, Open University, 1988).
- Burton, Jim, “Robert Fitzroy and the early history of the Meteorological Office,” *British Journal for the History of Science*, 1986, 19:147–176.
- Buys Ballot, C. H. D., “Beiträge zur Vorhersage von Witterungserscheinungen, namentlich von Windrichtung und Windkraft,” *Archiv für die Holländischen Beiträge zur Natur- und Heilkunde*, 1864, 3:85–99.
- Buys Ballot, C. H. D., “Einiges über das Dove’sche Drehungsgesetz,” *Annalen der Physik*, 1846, 144, no. 7:417–438.
- Buys Ballot, C. H. D., “Erläuterung einer graphischen Methode zur gleichzeitigen Darstellung der Witterungserscheinungen an vielen Orten,” *Annalen der Physik*, 1854, 167, no. S4:559–576.

- Buyss Ballot, C. H. D., “Étude d’une variation périodique de la température en 27,675 jours, d’après les observations de 155 années = 2046 périodes successives,” in *Archives néerlandaises des sciences exactes et naturelles*, 1886, 20:348–360.
- Buyss Ballot, C. H. D., “Iets over de meteorologische waarnemingen aan het observatorium te Utrecht,” *Algemeene Konst- en Letterbode*, 1848:379–384.
- Buyss Ballot, C. H. D., “Meteorologie,” *Die Fortschritte der Physik im Jahre 1848*, 1852, 4:398–466.
- Buyss Ballot, C. H. D., “Meteorologische Preisfrage,” *Die Fortschritte der Physik im Jahre 1847*, 1850, 3:565–574.
- Buyss Ballot, C. H. D., “Note accompagnant l’envoi des premières feuilles de ‘l’Annuaire de l’Institut royal météorologique des Pays-Bas’,” *Comptes rendus hebdomadaires des séances de l’Académie des Sciences*, 1857, 45, no. 19:640–641.
- Buyss Ballot, C. H. D., “Note sur le rapport de l’intensité et de la direction du vent avec les écarts simultanés du baromètre,” *Comptes rendus hebdomadaires des séances de l’Académie des Sciences*, 1857, 45, no. 19:765–768.
- Buyss Ballot, C. H. D., “On Meteorological Observations as made in Holland,” *The Civil Engineer and Architect’s Journal*, 1865, 28:245–246.
- Buyss Ballot, C. H. D., “On Storm Warnings,” *Proceedings of the Literary and Philosophical Society of Manchester*, 1867, 6:83–84.
- Buyss Ballot, C. H. D., “On the great importance of *Deviations* from the mean state of the atmosphere for the science of meteorology,” *The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science*, 1850, 37, no. 3:42–49.
- Buyss Ballot, C. H. D., “On the Method adopted at Utrecht in discussing Meteorological Observations,” in *Report of the Thirty-Sixth Meeting of the British Association for the Advancement of Science* (London: John Murray, 1867).
- Buyss Ballot, C. H. D., “On the System of Forecasting the Weather pursued in Holland,” in *Report of the Thirty-Third Meeting of the*

- British Association for the Advancement of Science* (London: John Murray, 1864).
- Buys Ballot, C. H. D., "Theoretische Meteorologie," *Die Fortschritte der Physik im Jahre 1847*, 1850, 3:620–663.
- Buys Ballot, C. H. D., "Ueber den Einfluss der Rotation der Sonne auf die Temperatur unserer Atmosphäre," *Annalen der Physik und Chemie*, 1846, 68:208.
- Buys Ballot, C. H. D., "Ueber die Reduction auf das Niveau des Meeres und die Abweichungen von den Normalwerthen," *Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1866, 1 (13):199–202.
- Buys Ballot, C. H. D., *A Sequel to the Suggestions on a Uniform System of Meteorological Observations* (Utrecht, 1873).
- Buys Ballot, C. H. D., *Eenige regelen voor aanstaande weersveranderingen in Nederland* (Utrecht: Kemink & Zoon 1860).
- Buys Ballot, C. H. D., *Les changements périodiques de Température dépendants de la Nature du Soleil et de la Lune, mis en rapport avec le pronostic du temps, déduits d'Observations Néerlandaises de 1729 à 1846* (Utrecht: Kemink & Fils, 1847).
- Buys Ballot, C. H. D., *Meteorologische waarnemingen in Nederland en zijne bezittingen en afwijkingen van temperatuur en barometerstand op vele plaatsen in Europa 1854* (Utrecht: Kemink & Zoon, jaarboek 5 1854, jaarboek 6 1855).
- Buys Ballot, C. H. D., *Meteorologische waarnemingen in Nederland 1851 met aanwijzing van de afwijkingen der weersgesteldheid van den gewonen gang* (Utrecht: Kemink & Zoon, jaarboek 3 1852).
- Buys Ballot, C. H. D., *Meteorologische waarnemingen in Nederland en afwijkingen der temperatuur en barometerhoogte ook op enkele plaatsen buiten Nederland 1852* (Utrecht: Kemink & Zoon, jaarboek 4 1852).
- Buys Ballot, C. H. D., *Suggestions on a Uniform System of Meteorological Observations* (Utrecht: The Industry, 1872).
- Buys Ballot, C. H. D., *Toespraak over de noodzakelijkheid eener veelzijdige beoefening van wetenschap* (Utrecht, Kemink en Zoon, 1846).

- Buyss Ballot, C. H. D., *Uitkomsten der meteorologische waarnemingen gedaan in 1849 en 1850 te Utrecht en op eenige andere plaatsen in Nederland* (Utrecht: Kemink en Zoon, 1851).
- Buyss Ballot, C. H. D., *Verdeeling der warmte over de aarde* (Amsterdam, 1888).
- Buyss Ballot, C. H. D., *Verslag omtrent waarnemingen aangaande het verband van weersgesteldheid en plantengroei* (Utrecht, 1849).
- Cahan, David, "Looking at Nineteenth-Century Science: An Introduction," in *From Natural Philosophy to the Sciences*, ed. Cahan (Chicago: University of Chicago Press, 2003), 3–15.
- Cannegieter, H. G., *Koninklijk Nederlands Meteorologisch Instituut 1854–1954* ('s-Gravenhage: Staatsdrukkerij- en Uitgeverijbedrijf, 1954).
- Cannon, Susan Faye, *Science in Culture: The Early Victorian Period* (New York: Science History Publication, 1978).
- Carroll, John W., "Laws of Nature," in *The Stanford Encyclopedia of Philosophy*, ed. Edward N. Zalta (Spring 2012 edition), <http://plato.stanford.edu/archives/spr2012/entries/laws-of-nature/> (accessed 11 Aug 2014).
- Cawood, John, "Terrestrial Magnetism and the Development of International Collaboration in the Early Nineteenth Century," *Annals of Science*, 1977, 34:551-587.
- Cawood, John, "The Magnetic Crusade: Science and Politics in Early Victorian Britain," *Isis*, 1979, 70:492-518.
- Challis, James, *Lectures on Practical Astronomy and Astronomical Instruments* (Cambridge: Deighton, Bell, 1879).
- Chapuis, Olivier, *À la mer comme au ciel. Beautemps-Beaupré & la naissance de l'hydrographie moderne (1700–1850). L'émergence de la précision en navigation et dans la cartographie marine* ([Paris]: Presses de l'Université de Paris-Sorbonne, 1999).
- Charlier, Roger H., "Fratres in Maribus 150 Years Ago: The First International Ocean-Science Conference," *Journal of Coastal Research*, 2004, 20:347–350.
- Coen, Deborah R., "Scaling Down. The 'Austrian' Climate between Empire and Republic," in *Intimate Universality: Local and Global*



- Themes in the History of Weather and Climate*, ed. James Roger Fleming, Vladimir Jankovic, and Deborah R. Coen (Sagamore Beach, MA: Science History Publications/USA, 2006).
- Cook, Andrew, "Alexander Dalrymple and the Hydrographic Office," in *Pacific Empires. Essays in Honour of Glyndwr Williams*, ed. Alan Frost and Jane Samson (Victoria: Melbourne University Press, 1999), 53–68.
- "Correspondence between the Board of Trade and the Royal Society in Reference to the Meteorological Department," *Proceedings of the Royal Society of London*, 1865, 14:306–317.
- Crosland, Maurice, "The Congress on Definitive Metric Standards, 1798–1799, The First International Scientific Conference?" 1969, *Isis* 60:226–231.
- Crosland, Maurice, *Science under Control. The French Academy of Sciences, 1795-1914* (Cambridge: Cambridge University press, 1992).
- Cunningham, Andrew and Perry Williams, "De-Centring the 'Big Picture': 'The Origins of Modern Science' and the Modern Origins of Science," *The British Journal for the History of Science*, 1993, 26:407-432.
- Daston, Lorraine and Glenn W. Most, "History of Science and History of Philologies," *Isis*, 2015, 106:337-390.
- Daston, Lorraine and Michael Stolleis, eds., *Natural Law and Laws of Nature in Early Modern Europe: Jurisprudence, Theology, Moral and Natural Philosophy* (Burlington, VT: Ashgate, 2008).
- Daston, Lorraine and Peter Galison, "The Image of Objectivity," *Representations*, 1992, 40:81–128.
- Daston, Lorraine, "The Humboldtian Gaze," in Moritz Epple and Claus Zittel ed., *Science as Cultural Practice Vol I: Cultures and Politics of Research from the Early Modern Period to the Age of Extremes* (Berlin: Akademie Verlag, 2010), 45-60.
- Davids, C. A., "Van Vrijheid naar Dwang. Over de relatie tussen wetenschap en zeewezen in Nederland," *Gewina*, 1990, 13:5–22.

- Davids, C. A., *Zeewezen en wetenschap. De wetenschap en de ontwikkeling van de navigatietechniek in Nederland tussen 1585 en 1815* (Amsterdam and Dieren: De Bataafsche Leeuw, 1985).
- Davis, John L., "Weather forecasting and the development of meteorological theory at the Paris Observatory, 1853-1878," *Annals of Science*, 1984, 41:359-382.
- Deacon, Margaret, *Scientists and the Sea 1650-1900. A Study of Marine Science* (London and New York: Academic Press, 1971).
- Dekker, Elly, "Frederik Kaiser en zijn pogingen tot hervorming van 'Het sterrekundig deel van onze zeevaart,' " *Tijdschrift voor de Geschiedenis der Geneeskunde, Natuurwetenschappen, Wiskunde en Techniek (TGGNWT)*, 1990, 13:23-41.
- "Der Barometer an Bord," *Hansa. Zeitschrift für Seewesen*, 1871, 8:197-198.
- Dettelbach, Michael, "Humboldtian Science," in N. Jardine, J. A. Secord and E. C. Spary, *Cultures of Natural History*, 287-304.
- Dick, Steven J., *Sky and Ocean Joined. The US Naval Observatory 1830-2000* (Cambridge: Cambridge University Press, 2003).
- "Die Witterungs- Vorherbestimmungen der Pariser Sternwarte," *Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1866, 1 (6):81-87.
- Donders, F. C. and W. Berlin, "Vorwort," *Archiv für die Holländische Beiträge zur Natur- und Heilkunde*, 1858, 1:v-viii.
- Dove, Alfred, "Heinrich Wilhelm Dove," *Allgemeine Deutsche Biographie, herausgegeben von der Historischen Kommission bei der Bayerischen Akademie der Wissenschaften*, 1904, 48:51-69.
- Dove, H. W., "Einige Bemerkungen über die physischen Ursachen der Gestalt der Isothermen," *Annalen der Physik*, 1831, 99, nr. 9:54-74.
- Dove, H. W., "Einige meteorologische Untersuchungen über den Wind," *Annalen der Physik*, 1827, 87, no. 12:545-590.
- Dove, H. W., "Meteorologie," *Repertorium der Physik*, 1839, 3:264-284.
- Dove, H. W., "On the Influence of the Rotation of the Earth on the Currents of its Atmosphere; Being Outlines of a General Theory of

- the Winds,” *The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science*, 1837, 11, no. 67:227–238.
- Dove, H. W., “On the Law of Storms,” *The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science*, 1840, 17, no. 111:366–369.
- Dove, H. W., “Stürme,” *Repertorium der Physik*, 1841, 4:192–216.
- Dove, H. W., “Über barometrische Minima,” *Annalen der Physik*, 1828, 89, no. 8:596–613.
- Dove, H. W., “Über den Einfluss der Drehung der Erde auf die Strömungen ihrer Atmosphäre,” *Annalen der Physik*, 1835, 112, no. 11:321–351.
- Dove, H. W., “Über den Zusammenhang der Hygrometeore mit den Veränderungen der Temperatur und das Barometers,” *Annalen der Physik*, 1828, 89, no. 6:305–327.
- Dove, H. W., “Über die Allgemeine Theorie des Windes,” *Monatsberichte der Königlich Preußische Akademie der Wissenschaften zu Berlin aus dem Jahre 1857* (Berlin: Königlich Akademie der Wissenschaften, 1858), 81–94.
- Dove, H. W., “Über die nicht periodischen Änderungen der Temperaturvertheilung auf der Oberfläche der Erde,” *Abhandlungen der Königlich Akademie der Wissenschaften zu Berlin* (Berlin: Königlich Akademie der Wissenschaften, 1839), 285–415.
- Dove, H. W., “Über die Windverhältnisse in Europa,” *Annalen der Physik*, 1829, 91, no. 1:53–70.
- Dove, H. W., “Über mittlere Luftströme,” *Annalen der Physik*, 1828, 89, no. 8:583–596.
- Dove, H. W., *Das Gesetz der Stürme in seiner Beziehung zu den Allgemeinen Bewegung der Atmosphäre* (Berlin: Reimer, 1861).
- Dove, H. W., *Die Verbreitung der Wärme auf der Oberfläche der Erde erläutert durch Isothermen, thermische Isanomalen und Temperaturkurven* (Berlin: Dietrich Reimer, 1852).
- Dove, H. W., *Monatsisothermen* (Berlin: Dietrich Reimer, 1849).
- Dove, H. W., *Temperaturtafeln nebst Bemerkungen über die Verbreitung der Wärme auf der Oberfläche der Erde und ihre*

- jährlichen periodischen Veränderungen* (Berlin: Dietrich Reimer, 1848).
- Dove, H. W., *Über das Gesetz der Stürme* (Berlin: Reimer, 1857).
- Dove, H. W., “Über das Gesetz der Stürme,” *Annalen der Physik*, 1841, 128, no. 1:1–41.
- Dove, H. W., “Über das Gewitter,” *Annalen der Physik*, 1828, 89, no. 7:419–433.
- Dove, Heinrich Wilhelm, *Meteorologische Untersuchungen* (Berlin: Sander’schen Buchhandlung, 1837).
- Drew, John, *Practical Meteorology* (London: Van Voorst, 1860).
- Everdingen, E. van, *C.H.D. Buys Ballot 1817–1890* (’s-Gravenhage: D.A. Daamen, 1953).
- Ferrel, William, “An Essay on the Winds and the Currents of the Ocean,” *Nashville Journal of Medicine and Surgery*, 1856, 11:7–19.
- Fitzroy, Robert, *The Weather Book: A Manual of Practical Meteorology*, 2nd edn. (London: Longman, Green, Longman, Roberts, & Green, 1863).
- Fleming, James Rodger, *Meteorology in America, 1800–1870* (Baltimore: Johns Hopkins University Press, 1990).
- Flinter, Major George, “The Commencement of the Revolution in Venezuela,” in *The Wars of Independence in Spanish America*, ed. Christon I. Archer (Wilmington: Scholarly Resources, 2000).
- Forbes, James D., “Supplementary report on Meteorology,” *Report of the Tenth Meeting of the British Association for the Advancement of Science* (London: John Murray, 1841), 37–156.
- Friendly, Michael, “The Golden Age of Statistical Graphics,” *Statistical Science*, 2008, 23, no. 4:502–535.
- Galle, G., “Zur Prüfung des von Dove ausgestellten Gesetzes über das verschiedene Verhalten des Ost- und Westseite der Windrose,” *Annalen der Physik*, 1834, 107, no. 30:465–480.
- Galton, Francis, “A Development of the Theory of Cyclones,” *Proceedings of the Royal Society*, 1863, 12:385–386.
- Galton, Francis, *Meteorographica: or Methods of Mapping the Weather* (London: MacMillan, 1863).

- Geer, P. de, "De Leidsche sterrenwacht en haar stichter," *Vaderlandsche Letteroefeningen*, 1873, 113:541–574.
- Gianjacopo, A., "Sul Clima di Mantova," *Atti e Memorie della Reale Accademia Virgiliana di Scienze, Lettere ed Arti* (1874), 54–64.
- Gieryn, Thomas F., "Boundary-Work and the Demarcation of Science from Non-Science: Strains and Interests in Professional Ideologies of Scientists," *American Sociological Review*, 1983, 48:781–795.
- Gieryn, Thomas F., *Cultural Boundaries of Science: Credibility on the Line* (Chicago: University Chicago Press, 1999).
- Goetzmann, William H., *Exploration and Empire: The Explorer and the Scientist in the Winning of the American West* (New York: Knopf, 1966).
- Good, Gregory A., "A Shift of View: Meteorology in John Herschel's Terrestrial Physics," in *Intimate Universality: Local and Global Themes in the History of Weather and Climate*, ed. James Roger Fleming, Vladimir Jankovic, and Deborah R. Coen (Sagamore Beach, MA: Science History Publications/USA, 2006).
- Gramelsberger, Gabriele, "Conceiving Meteorology as the Exact Science of the Atmosphere, Vilhelm Bjerknes's paper of 1904 as a Milestone," *Meteorologische Zeitschrift*, 2009, 18:669–673.
- Grant, Robert, *History of Physical Astronomy, from the earliest ages to the middle of the XIXth Century* (London: Bohn, 1852).
- Günther, S. and S. Dannbeck, "Die Vorgeschichte des barischen Windgesetzes," *Sitzungsberichte der mathematisch-physikalischen Klasse der K.B. Akademie der Wissenschaften*, 1905, 1:381–426.
- Halford, Pauline, *Storm Warning: The Origins of Weather Forecast* (Gloucestershire: Sutton Publishing, 2004).
- Heck, Johann Georg, *Bilder-Atlas zum Conversations-Lexikon* (Leipzig: Brockhaus, 1849).
- Henry, John, "Metaphysics and the Origins of Modern Science: Descartes and the Importance of Laws of Nature," *Early Science and Medicine*, 2004, 9 (no. 2): 73–114.
- Herschel, John F. W., "On Barometric Waves, February 5th 1867," *Proceedings of the Literary and Philosophical Society of Manchester*, 1867, 6:91–93.

- Herschel, John F. W., "On the Weather and Weather Prophets," *Good words*, January 1864, 5:57–64.
- Herschel, John F. W., *A Preliminary Discourse on the Study of Natural Philosophy* (London: Longman, Rees, Orme, Brown and Green, 1831).
- Herschel, John F. W., *A Treatise on Astronomy* (London: Longman, Rees, Orme, Brown, Green and Longman, and John Taylor, 1833).
- Herschel, John F. W., *Familiar Lectures on Scientific Subjects* (London: Alexander Strahan, 1868).
- Houvenaghel, G., "La conférence maritime de Bruxelles en 1853: première conférence océanographique internationale," *TGGNWT*, 1990, 13:42–49.
- Howard, Luke, *A Cycle of 18 Years* (London, 1842).
- Howard, Luke, *Barometrographica, Twenty Years Variation of the Barometer in the Climate of Britain, Exhibited in Atmospheric Curves with the Attendant Winds and Weather* (London, 1847).
- Howse, Derek, *Greenwich time and the discovery of longitude* (Oxford: Oxford University Press, 1980).
- Humboldt, Friedrich Wilhelm Heinrich Alexander von, and Ingo Schwarz, *Alexander von Humboldt und die Vereinigten Staaten von Amerika. Briefwechsel* (Berlin: Akademie-Verlag, 2004).
- Jackson, Roland, "John Tyndall And The Royal Medal That Was Never Struck," *Notes and Records of the Royal Society*, 2014, 68:151–164.
- Jahn, Gustav Adolph, *Practische Astronomie, oder, Beschreibung und Gebrauch der vorzüglichsten astronomischen Instrumente und Tafeln* (Berlin: Reimer, 1834).
- Jankovic, Vladimir, "Ideological crests versus empirical troughs: John Herschel's and William Radcliffe Birt's research on atmospheric waves, 1843–50," *The British Journal for the History of Science*, 1998, 31:21–40.
- Jankovic, Vladimir, *Reading the Skies: A Cultural History of English Weather, 1650-1820* (Chicago: University of Chicago Press, 2000).
- Jansen, M. H. and S. P. L' Honoré Naber, *Het leven van een vloothouder: Gedenkschriften* (Utrecht: Kemink, 1925).

- Jansen, M. H., *De zeemagt, beschouwd in verband met de Oost-Indische bezittingen van het rijk* ('s Gravenhage: Erven Doorman, 1847).
- Jelinek, C. and J. Hahn, "Kleinere Mittheilungen," *Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1866, 1 (1):12–13.
- Jelinek, C., "Über den Zusammenhang zwischen Stürmen und barometrischen Unterschieden," *Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1869, 4:331–339.
- Jelinek, Carl, "Literaturbericht," *Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1872, 7 (15):268–271.
- Jelinek, Carl, "The Leipzig Conference," *Symons's Monthly Meteorological Magazine*, 1873, 89:69–77.
- Kaiser, F., "Gotha en de Seeberg," *De Gids*, 1848, 12:319–368.
- Kaiser, F., *Beschouwingen van den sterrenhemel* (Leeuwarden: Suringar, 1849).
- Kaiser, F., *De sterrekundige plaatsbepaling in den Indischen Archipel, en de maatregelen op gezag van Z.E. den Minister van Koloniën, tot hare voorbereiding genomen* (Amsterdam: Sulpke, 1851).
- Kaiser, F., *De Sterrenhemel. Tweede deel* (Amsterdam: Sulpke, 1845).
- Kaiser, F., *Het Observatorium te Leiden* (Leiden: H. W. Hazenberg, 1838).
- Kämtz, Ludwig Friedrich, *Lehrbuch der Meteorologie* vol. 1 (Halle: Gebaurschen Buchhandlung, 1831).
- Karsten, G., "Vorbericht," *Die Fortschritte der Physik im Jahre 1847*, 1850, 3:v–x.
- Karsten, G., "Vorberigt," *Die Fortschritte der Physik im Jahre 1848*, 1852, 4:v–x.
- Kastner, C. W. G., *Handbuch der Meteorologie. Für Freunde der Naturwissenschaft* vol. 2 (Erlangen: 1830).
- Kevles, Daniel J., *The Physicists: The History of a Scientific Community in Modern America* (New York: Random, 1977).
- Khrgian, A. Kh., *Meteorology. A Historical Survey* Vol. I Second Edition Revised and Edited by Kh. P. Pogosyan (Jerusalem: Israel Program for Scientific Translations 1970).

- Klein, F. H., C.H.D. Buys Ballot, and A. Adriani, *The foretelling of the weather in connection with meteorological observations by F.H. Klein together with a description of the telegraphic warning system introduced in The Netherlands, June, 1860, as proposed by the director of the Royal Netherlands Meteorological Institute Professor Dr. Buys-Ballot* (London: Benjamin Pardon, 1863).
- Klein, Ursula, "the Prussian Mining Official Alexander von Humboldt," *Annals of Science*, 2012, 69:27–68.
- Körber, Hans-Günther, *Die Geschichte des Preußischen Meteorologischen Instituts in Berlin* (Offenbach am Main: Selbstverlag des Deutschen Wetterdienstes, 1997).
- Krause, Reinhard A., "Georg von Neumayer (1826–1909)—A Pioneer of Antarctic Research," *Berichte zur polar- und meeresforschung*, 2007, 560:112–121.
- Kutzbach, Gisela, *The Thermal Theory of Cyclones: A History of Meteorological Thought in the Nineteenth Century* (Boston: American Meteorological Society, 1979).
- LaRosa, Michael and Germán R. Mejía, eds., *The United States discovers Panama: The writings of soldiers, scholars, scientists, and scoundrels, 1850–1905* (Lanham: Rowman & Littlefield, 2004).
- "Le vent et le baromètre; lettres de Sir J. Herschel et de M. le capitaine de vaisseau Bourgois," *Revue Maritime et coloniale*, 1867, 19:927–929.
- "Letter of Professor Dove on Meteorological communications," *Proceedings of the Royal Society of London*, 1865, 14:317–319.
- Lewis, Charles Lee, *Matthew Fontaine Maury* (1927; repr., New York: Arno, 1980).
- Ley, William Clement, *The Laws of the Winds Prevailing in Western Europe* (London: Edward Stanford, 1872).
- Lightman Bernard, "Introduction," in *Victorian Science in Context*, ed. Lightman (Chicago: University Chicago Press, 1997).
- Livingstone, David, *Putting Science in its Place: Geographies of Scientific Knowledge* (Chicago: University of Chicago Press 2003).
- Lloyd, Humphrey, "Notes on the Meteorology of Ireland," *Transactions of the Royal Irish Academy*, 1856, 22: 411–96.



- Locher, Fabien, *Le savant et la tempête: Etudier l'atmosphère et prévoir le temps au XIXe siècle* (Rennes: Presses Universitaires de Rennes, 2008).
- Lucier, Paul, "The Origins of Pure and Applied Science in Gilded Age America," *Isis*, 2012, 103:527–536.
- Lucier, Paul, "The Professional and the Scientist in Nineteenth-Century America," *Isis*, 2009, 100:699–732.
- Lunteren, F. van, "De oprichting van het Koninklijk Nederlands Meteorologisch Instituut: Humboldtiaanse wetenschap, internationale samenwerking en praktisch nut," *Gewina*, 1998, 21:216–243.
- Lunteren, Frans van, "'Beati possidentes', the Royal Dutch Academy and the Standard Metre," in Hart Grob and Hans Hooijmaijers, *Who Needs Scientific Instruments* (Leiden, 2006).
- Mädler, Johann Heinrich von, *Populäre Astronomie* (Berlin, Heymann: 1849).
- Mahlmann, W., *Abriss einer Geschichte der neueren Fortschritte und des gegenwärtigen Zustandes der Meteorologie* (Berlin: C.G. Lüderitz, 1836).
- Mahlmann, Wilhelm, "Mittlere Verteilung der Wärme auf der Erdoberfläche," *Repertorium der Physik*, 1841, 4:1–174.
- Mahlmann, Wilhelm, *Central-Asien. Untersuchungen über die Gebirgsketten und die vergleichende Klimatologie von A. von Humboldt* (Berlin: Carl J. Klemann, 1844).
- Maritime Conference Held at Brussels for Devising an Uniform System of Meteorological Observations at Sea: August and September 1853* (Brussels, 1853).
- Maury, Matthew Fontaine, "On the Navigation of Cape Horn," *American Journal of Science and Arts*, 1834, 26:54–63.
- Maury, Matthew Fontaine, *A New Theoretical and Practical Treatise on Navigation* (Philadelphia: E. C. and J. Biddle, 1845).
- Maury, Matthew Fontaine, *Explanations and Sailing Directions to Accompany the Wind and Current Charts* (Washington, D.C., 1851, 1853, 1854, and 1859).

- Maury, Matthew Fontaine, *The Physical Geography of the Sea and its Meteorology*, 8th edn. (London: Sampson Low, Son & Co, 1860).
- “Maury’s Sailing Directions,” *Hunt’s Merchants’ Magazine and Commercial Review*, 1854, 30:531–547.
- Miller, David Philip, “The Revival of the Physical Sciences in Britain, 1815–1840,” *Osiris*, 1986, N.S. 2:107–134.
- Mills, Eric L., “Mathematics in Neptune’s Garden. Making the Physics of the Sea Quantitative, 1876–1900,” in Helen M. Rozwadowski and David K. van Keuren eds., *The Machine in Neptune’s Garden, Historical Perspectives on Technology and the Marine Environment* (Sagamore Beach, MA, 2004), 39–63.
- Mohn, H., *Grundzüge der Meteorologie* (Berlin: Reimer, 1875).
- Monmonier, Mark, *Air Apparent: How Meteorologists Learned to Map, Predict, and Dramatize Weather* (Chicago: University of Chicago Press, 2000).
- Morrell, Jack and Arnold Thackray, *Gentlemen of Science: Early Years of the British Association for the Advancement of Science* (Oxford: Oxford University Press, Clarendon Press, 1982).
- Morrison-Low, A. D., *Making Scientific Instruments in the Industrial Revolution* (Aldershot: Ashgate, 2007).
- Morus, Iwan Rhys, *When Physics Became King* (Chicago: University of Chicago Press, 2005).
- Murchison, R. I., “Anniversary Address,” *The Journal of the Royal Geographical Society*, 1865, 35:cvi–clxxxvii.
- Myer, Albert J., “The winds and their law,” *Annual Reports of the Secretary of War* 1 (Washington DC, 1871), 344–347.
- Naylor, Simon, “Introduction: historical geographies of science—places, contexts, cartographies,” *The British Journal for the History of Science*, 2005, 38: 9–10.
- Neumann, Hans, *Heinrich Wilhelm Dove. Eine Naturforscher-Biographie* (Liegnitz: Krumbhaar, 1925).
- Nowak, A., “Dr. Prestel’s Windgesetz,” *Lotos. Zeitschrift für Naturwissenschaften*, 1869, 19:153–161.

- Olesko, Kathryn M., "The Meaning of Precision, the Exact Sensibility in Early Nineteenth-Century Germany" in M. Norton Wise, *The Values of Precision* (Princeton, NJ, 1995), 103–134.
- Olesko, Kathryn M., *Physics as a Calling. Discipline and Practice in the Königsberg Seminar for Physics* (Ithaca and London, 1991).
- Olmsted, Denison, *An Introduction to Astronomy: Designed as a Textbook for the Use of Students of Yale College* (New York: Collins, Keese, 1839).
- "On the Law of Storms," *The Foreign Quarterly Review*, 1839, 23, no. 45:1–22.
- "Onze zeemagt. Een woord over en naar aanleiding van de brochure: De Zeemagt, door M.H. Jansen," *De Gids*, 1849, 13:413–426.
- Persson, Anders O., "Hadley's principle: Understanding and Misunderstanding the Trade Winds," *History of Meteorology*, 2006, 3:17–42.
- Plaat, E. G. van der, "Overzicht van de Hydrografische verrigtingen in den Indischen archipel, gedurende de laatste jaren. (uittreksel uit het verslag van de werkzaamheden der Kommissie tot verbetering der Indische zeekaarten gedurende het jaar 1853)," *Natuurkundig tijdschrift voor Nederlandsch Indië*, 1854, 7:1-15.
- Porter, Roy, "Gentlemen and Geology: The Emergence of a Scientific Career, 1660–1920," *Historical Journal*, 1978, 21:809–836.
- Porter, Theodore M., *The Rise of Statistical Thinking 1820 – 1900* (Princeton: Princeton University Press, 1986).
- Prestel, "Ergebnisse der Beobachtungen und Erfahrungen betreffend die Sturmwarnungen und die Sturmsignale," *Jahresbericht der Naturforschenden Gesellschaft in Emden*, 1873, 58:1–8, published by the World Meteorological Organization (2004). Retrieved 2016-09-22.
- "Proceedings connected with the Magnetical and Meteorological Conference, held at Cambridge in June 1845," *Report of the Fifteenth Meeting of the British Association for the Advancement of Science* (London: Murray, 1846), 1–72.

- Randeraad, Nico, "Triggers of Mobility, International Congresses (1840–1914) and their Visitors," *Jahrbuch für Europäische Geschichte/European History Yearbook*, 2015, 16:63–82.
- Redfield, William C., "Observations on the Storm of December 15, 1839," *Transactions of the American Philosophical Society*, 1843, 8:77–80.
- Redfield, William C., "On the courses of hurricanes, with notices of the typhoons of the China Sea and other storms," *Nautical Magazine*, 1839, 35, no. 2:1–23.
- Redfield, William C., "Remarks on the prevailing storms of the Atlantic coast of the North American States," *American Journal of Science*, 1831, 20:17–52.
- Redfield, William C., *On Whirlwind Storms: With Replies to the Objections and Strictures of Dr. Hare* (New York: J. S. Redfield, 1842).
- Reich, Karin, "Alexander von Humboldt und Carl Friedrich Gauss als Wegbereiter der neuen Disziplin Erdmagnetismus," *HiN Internationale Zeitschrift für Humboldt Studien*, 2011, 12, no. 22:35–55.
- Reid, "A Statement of the Progress made towards developing the Law of Storms," *Report of the Eighth Meeting of the British Association for the Advancement of Science* (London: John Murray, 1839), 21–25.
- Reid, W., *An Attempt to develop the Law of Storms* (London: John Weale, 1838).
- Reidy, Michael S. and Helen M. Rozwadowski, "The Spaces In Between: Science, Ocean, Empire," *Isis*, 2014, 105:338–351.
- Reidy, Michael S., *Tides of History. Ocean Science and Her Majesty's Navy* (Chicago and London: University of Chicago Press, 2008).
- Reingold, Nathan, "Definitions and Speculations: The Professionalization of Science in America in the Nineteenth Century," in *The Pursuit of Knowledge in the Early American Republic*, ed. Alexandra Oleson and Sanborn C. Brown (Baltimore: Johns Hopkins University Press, 1976), 33–69.

- “Report of the Meteorological Committee to the President and Council of the Royal Society on the Work done in the Meteorological Office since their appointment in 1866 to December 31, 1875,” *Proceedings of the Royal Society of London*, 1876, 24:189–210.
- Report of a Committee Appointed to Consider Certain Questions Relating to the Meteorological Department of the Board of Trade* [also known as *Galton Report*] (London: Eyre and Spottiswoode, 1866).
- Report of the Meteorological Committee of the Royal Society, For the Year ending 31st December 1867* (London: Eyre and Spottiswoode, 1868).
- Report of the Meteorological Committee of the Royal Society, For the Year ending 31st December 1868* (London: Eyre and Spottiswoode, 1869).
- Report of the Permanent Committee of the International Meteorological Congress at Vienna. For the Year 1874. Meetings held at Vienna and at Utrecht, 1873, 1874. Published by Authority of the Meteorological Committee* (London, 1875).
- Report of the Proceedings of the Meteorological Conference at Leipzig, Protocols and Appendices, Translated from the official report, Appendix to Vol. VII, No. 24, of the Zeitschrift für Meteorologie* (London, 1873).
- Report of the Proceedings of the Meteorological Congress at Vienna* (London: Eyre and Spottiswoode, 1874).
- Report of the Proceedings of the Second International Meteorological Congress at Rome, 1879. Published by Authority of the Meteorological Council* (London, 1879).
- Report on Weather Telegraphy and Storm Warnings, Presented to the Meteorological Congress at Vienna, By a Committee Appointed at the Leipzig Conference. Published by the Authority of the Meteorological Committee* (London, 1874).
- Richardson, Philip L., “Benjamin Franklin and Timothy Folger’s First Printed Chart of the Gulf Stream,” *Science*, 1980, 207:643–645.
- Ritchie, G. S., *The Admiralty Chart: British Naval Hydrography in the Nineteenth Century* (Edinburgh: Pentland, 1995).

- Rozwadowski, Helen M., "Internationalism, Environmental Necessity, and National Interest: Marine Science and Other Science," *Minerva*, 2004, 42:127–149.
- Rozwadowski, Helen M., *Fathoming the Ocean: The Discovery and Exploration of the Deep Sea* (Cambridge, Mass.: Belknap, 2005).
- Rupke, Nicolaas A., *Alexander von Humboldt: A Metabiography* (Chicago: University of Chicago Press, 2008).
- Ruse, M., "William Whewell: Omniscientist," in *William Whewell: A Composite Portrait*, ed. M. Fisch and S. Schaffer (Oxford: Clarendon Press, 1991).
- Sabine, Edward, "Remarks by Professor Dove on his recently constructed Maps of the Monthly Isothermal Lines of the Globe" *Report of the Eighteenth Meeting of the British Association for the Advancement of Science* (London: Murray, 1849), 85–96.
- Sarukhanian, E. I. and J. M. Walker, *The International Meteorological Organization (IMO) 1879–1950*,
- Saunier, Pierre-Yves, *Transnational History* (Hampshire: Palgrave Macmillan, 2013).
- Scherhag, Richard, "Dove, Heinrich Wilhelm, Physiker," vol. 4 of *Neue Deutsche Biographie*, ed. Otto Graf zu Stolberg-Wernigerode, Hans Körner, et al. (Berlin: Duncker und Humblot, 1959).
- Schlee, Susan, *The Edge of an Unfamiliar World: A History of Oceanography* (New York: E.P. Dutton and Co., 1973).
- Schouw, J. F., "Einige Bemerkungen über die Windverhältnisse in der nördliche Hemisphäre," *Annalen der Physik*, 1828, 90, nr. 12:541–557.
- Schouw, J. F., "Erwiederung auf eine Bemerkung des Hrn. Prof. Dove," *Annalen der Physik*, 1833, 104, no. 7:510–511.
- Schreier, W., M. Franke and A. Fiedler, "Geschichte der Physikalischen Gesellschaft zu Berlin 1845–1900," *Physikalische Blätter*, 1995, 51, no. 1:9–59.
- Schröder, J., "Excerpt from Resolution by the Minister of the Interior, dated 21 May 1860," cited in C.H.D. Buys Ballot, *Eenige regelen voor aanstaande weersveranderingen in Nederland* (Utrecht: Kemink & Zoon 1860).

- Schuster, Arthur, "On Dr. H. C. Buys Ballot," *Memoirs and Proceedings of the Manchester Literary and Philosophical Society*, 1890, 3:166–169.
- Scott, Robert H., "On the Work of the Meteorological Office, Past and Present," *Notices of the Proceedings at the Meetings of the Members of the Royal Institution of Great Britain*, 1866-1869, 5:535–547.
- Scott, Robert H., "The international Meteorological Committee," *Nature*, 1902, 66:608–609.
- Scott, Robert H., *Report of an Inquiry into the Connexion between Strong Winds and Barometrical Differences: presented to the Committee of the Meteorological Office* (London: Eyre and Spottiswoode, 1869).
- Scott, Robert H., *Weather Charts and Storm Warnings* (London: Henry S. King, 1876).
- Scott, Robert H., "Institution Royale de la Grande Bretagne," *Revue des Cours Scientifiques de la France et de l'Étranger*, 1868–1869, 6:595–601.
- Siebenhühner, Heidrun, "Altmeister der Meteorologie. Der Physiker Heinrich Wilhelm Dove (1803–1879)," *Berlinische Monatsschrift* 7 (1998): 76–78.
- Slotten, Hugh Richard, "The Dilemmas of Science in the United States: Alexander Dallas Bache and the U.S. Coast Survey," *Isis*, 1993, 84:26–49.
- Slotten, Hugh Richard, *Patronage, Practice, and the Culture of American Science. Alexander Dallas Bache and the U.S. Coast Survey* (Cambridge, Cambridge University Press, 1994).
- Somsen, Geert, "A History of Universalism, Conceptions of the Internationality of Science from the Enlightenment to the Cold War," *Minerva*, 2008, 46:361–379.
- Stamhuis, Ida H., '*Cijfers en Aequaties*' en '*Kennis der Staatskrachten*:' *Statistiek in Nederland in de negentiende eeuw* (Amsterdam and Atlanta, GA: Rodopi, 1989).
- Steigerwald, Joan, "Figuring Nature/Figuring the (Fe)male: The Frontispiece to Humboldt's *Ideas Towards a Geography of Plants*,"

- in Ann B. Shteir and Bernard Lightman, *Figuring it Out. Science, Gender, and Visual Culture* (Hanover and London: University Press of New England, 2006), 54-82.
- Steinle, Friedrich, "The Amalgamation of a Concept: Laws of Nature in the New Sciences," in Friedel Weinert, ed., *Laws of Nature. Essays on the Philosophical, Scientific and Historical Dimensions* (Berlin: Walter de Gruyter, 1995), 316–368.
- Stok, J. P. van der, "Levensbericht C. H. D. Buys Ballot," *Jaarboek der Koninklijke Nederlandsche Akademie van Wetenschappen* (Amsterdam, 1899), 59–100.
- Symons, George J., "Reviews: *Sunshine and Showers: their Influence throughout Creation: A Compendium of Popular Meteorology*, By Andrew Steinmetz," *Symons's Monthly Meteorological Magazine*, 1867, 2:33–34.
- Third Number of Meteorological Papers, Compiled by Rear-Admiral R. Fitzroy, F.R.S., Published by Authority of the Board of Trade* (London, 1858).
- Toynbee, H., *Report to the Meteorological Committee of the Meteorological Office on the use of isobaric curves and a line of greatest barometric change in attempting to foretell winds; with some practical suggestions for seamen and a few remarks on Buys Ballot's law* (London: Eyre and Spottiswoode, 1869).
- Trimmer, Joshua, *Practical Chemistry for Farmers and Landowners* (London: Parker, 1842).
- Trimmer, Joshua, *Practical Geology and Mineralogy: With Instructions for the Qualitative Analysis of Minerals* (London: Parker, 1841).
- Turner, Frank M., "The Victorian Conflict between Science and Religion: A Professional Dimension," *Isis*, 1978, 69:356–376.
- "Über den Meteorologen-Congress zu Wien," *Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1872, 7, no. 17:297–298.
- Wakefield, Andre, *The Disordered Police State: German Cameralism as Science and Practice* (Chicago: The University of Chicago Press, 2009).



- Walker, Malcolm, *History of the Meteorological Office* (Cambridge: Cambridge University Press, 2011).
- Webster, Anthony, *Gentlemen capitalists: British imperialism in South East Asia, 1770-1890* (London and New York: I.B. Tauris, 1998).
- Wheeler, Dennis, "An Examination of the Accuracy and Consistency of Ships' Logbook Weather Observations and Records," *Climatic Change*, 2005, 73:97–116.
- Whewell, W., *Astronomy and General Physics Considered with Reference to Natural Theology* (London: William Pickering, 1839).
- Wild, H., "Beitrag zur Frage der Reduction der Barometerstände auf das Meeresniveau," *Zeitschrift der Österreichischen Gesellschaft für Meteorologie*, 1874, 9 (8):113–118.
- Williams, Frances Leigh, *Matthew Fontaine Maury. Scientist of the Sea* (New Brunswick, N.J.: Rutgers University Press, 1963).
- Wilson, Curtis A., "Kepler's Laws, So-Called," *Newsletter of the Historical Astronomy Division of the American Astronomical Society*, 1994, 31: 1–2.
- Wise, M. Norton, "What's in a Line?," in Moritz Epple and Claus Zittel eds., *Science as Cultural Practice Vol. I, Cultures and Politics of Research from the Early Modern Period to the Age of Extremes* (Berlin: Akademie Verlag, 2010), 61–102.
- Woodruff, Scott D. et al., "Early Ship Observational Data and Icoads," *Climatic Change*, 2005, 73:169–194.
- Yeo, Richard, *Defining Science: William Whewell, Natural Knowledge, and Public Debate in Early Victorian Britain* (Cambridge: Cambridge University Press, 1993).
- Zandvliet, C. J., *Mapping for Money. Maps, Plans and Topographic Paintings and Their Role in Dutch Overseas Expansion during the 16th and 17th Centuries* (Amsterdam: De Bataafsche Leeuw, 1998).
- Zuidervaart, Huib J., "An Eighteenth-Century Medical-Meteorological Society in the Netherlands: An Investigation of Early Organization, Instrumentation and Quantification. Part 1," *British Journal for the History of Science*, 2005, 38:379–410.
- Zuidervaart, Huib J., "An Eighteenth-Century Medical-Meteorological Society in the Netherlands: An Investigation of Early Organization,

Instrumentation and Quantification. Part 2,” *British Journal for the History of Science*, 2006, 39:49–66.