

H.H. LAMB ARCHIVE

Collection: H.H. Lamb Archive

Reference: LAMB

Creation dates: 1943-1995

Extent: 22 linear metres.

Format: Draft reports, reports, correspondence, data, photographs, photographic negatives, slides, maps, charts, graphs and diagrams, reprints, press-cuttings, CDs.

Biographical history: Hubert H. Lamb (1913-1997) obtained his Master's degree from Trinity College, Cambridge in natural sciences and geography. He worked at the British and Irish Meteorological Offices from 1945 until 1971. He was the Founding Director of the Climatic Research Unit (CRU) at the University of East Anglia (UEA) (1972-1977) and was awarded an honorary doctorate (D.Sc.) from the UEA in 1981.

Immediate source of acquisition: The collection was transferred from CRU to UEA Archives in two parts. The first transfer of 31 boxes was made in 1998. This has become known as LAMB/1 and occupies 8 linear metres.

The second transfer came directly from CRU Library in 2015. This has become known as LAMB/2 and occupies 14 linear metres.

Scope and content: see also LAMB/1 and LAMB/2.

Content across the collection focuses on North Sea storms and other northern seas around the coasts of northwest Europe; climate history including the ice age; long-range weather forecasts; rainfall; specific weather phenomena; weather in the UK and in East Anglia; climatic effect of volcanic dust; CRU administration, etc.

Appraisal destruction and scheduling info: N/A

Accruals: N/A

System of arrangement:

[LAMB/1](#) p.3
[LAMB/2](#) p.17

See these two sections for more.

Conditions governing access: Other than where a specific access restriction is noted, the collection is open for consultation in the Archives by appointment during its advertised opening hours.

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Physical characteristics/ technical requirements: A slide scanner is available in the Archives; and a pc for accessing the CDs.

Related units of description: N/A

LAMB/1

Scope and content: Contains correspondence and research papers; draft and final reports; reprints; correspondence with CRU staff and other colleagues; CRU research contracts; and supporting material for research in the form of data, photographs, maps, charts, graphs and diagrams.

System of arrangement: Re-arrangement of the papers in LAMB/1 has taken place. The subject areas are similar to those used by Lamb in the index lists he created to organise his reprint collection.

Covers 42 subject areas some of which can be found in more than one box. See further down for contents of each box.

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Archaeology in relation to climate history [Box 1]

International Conference of Medieval Archaeology (also known as Medieval Europe) 21-24 Sept 1992. University of York. Programme and abstracts.

The year without a summer, 1816. International meeting, Ottawa, Canada, 1988.

International Union for Quaternary Research, 12th Congress, Ottawa, Canada, 1987. [Pamphlet].

Crawford, Iain and Roy Switsur. Sandscaping and C₁₄: the Udal, N. Uist. *Antiquity*, 60, 1977.

Carbon dating [Box 1]

Graphs, diagrams.

Circulation papers [Box 1]

Dziedziewicz, B.L. *Circulation of the atmosphere. Circulation mechanisms in the atmosphere of the northern hemisphere in the 20th century*. 1969. [Unedited translation]. (Lamb list 6).

Caplycina, A.S. *Atmospheric circulation regime of the atmosphere and its relationship to anomalies in the monthly air temperature*. 1969. [Unedited translation]. (Lamb list 9).

Savina, S.S. *A comparative characterization of the extreme periods of circulation epochs in the European USSR and in Western Siberia*. 1969. [Unedited translation]. (Lamb list 9).

Wanner, H. et al. *European circulation patterns during the late Maunder Minimum cooling period (1675-1704)*. [Typescript & correspondence].

Lamb, H.H. *Climates and circulation regimes developed over the northern hemisphere during and since the last ice age*. Lecture at the Symposium on Dynamical Climatology (1970 : Leningrad).

ECLAT Conference (1996 : Crete). [Administrative papers].

[Atmospheric General Circulation Model]. pp.40-83 of a typescript report. Missing: pp.1-39. [MS]

Climate change/variation [Box 2]

Lamb, H.H. *Climatic changes: the development of knowledge problems of assessing trends, causes & human impact*. [MS].

Lamb, H.H. *The variations of climate over the past 2000 years and their relation to history*. 1979.

Lamb, H.H. *On the frequency and patterns of variation of climate*. To be presented at the Conference called by the Rockefeller Foundation at Bellagio 5-7 June 1975.

Lamb, H.H. Lecture to the Institute of Fuel at the Royal Institution. *Long-term weather patterns and energy*. 1979.

Lamb, H.H. *Meteorology, climatic changes and history*. 1987. [MS].

Lamb, H.H. *The future of the earth – greenhouse or refrigerator?* Norwich : British Association, 1984. [MS].

Lamb, H.H. *Climatic changes in recent times, the possible influence of human activities and the outlook for the future*. Lecture given to Philips Lamps, (1979 : Eindhoven). [MS].

Lamb, H.H. & R.H. Clements, *Climatic changes*, 1967. [Reprint from Proc. Instn Civ. Engrs].

Jones, P.D., T.M.L. Wigley and S.C.B. Raper. *The rapidity of CO₂ induced climatic change: observations, model results and palaeoclimatic implications*. In: W.H. Berger and L.D. Labeyrie (eds.), *Abrupt Climatic Change*, 47-55. 1987. D. Reidel Publishing Company. [Photocopy].

Frenzel, Burkhard and Wolfgang Bludau. *On the duration of the interglacial to glacial transition at the end of the Eemian interglacial (deep sea stage 5 E): botanical and sedimentological evidence*. In: W.H. Berger and L.D. Labeyrie (eds.), *Abrupt Climatic Change*, 151-12. 1987. D. Reidel Publishing Company. [Photocopy].

Quade, Paul William. *Temperatures over the United States in the most recent years*. M.Sc. thesis, University of Wisconsin, 1968. (Lamb list 66).

Williams, Jill. *The influence of snow cover on the atmospheric circulation and its role in climatic change: an analysis based on results from the NCAR global circulation model*. National Centre for Atmospheric Research, 1974. (Lamb list 66).

Tanner, William F. *Cause and development of an ice age*. Meteorological monographs. Vol.8, no.30. p.126-127. (Lamb list 66).

Damon, Paul E. The relationship between terrestrial factors and climate. [MS]. (Lamb list 66).

Water resources and climatic change: sensitivity of water-resource systems to climate change and variability. Norwich : CRU, 1987. [MS].

Climate history [Box 3]

Lamb, H.H. *Climate History and the Modern World*, 1995. Correspondence re publication. With: Temperatures at Arctic stations – graphs.

Climate, history and the modern world, 2nd edition. [MS Preface to the 1995 Routledge printing].

Lamb, H.H. *Contributions to historical climatology: the middle ages and after; Christmas weather and other aspects*. Bracknell : Meteorological Office. [Typescript].

Lamb, H.H. *The climate in Saxon times*. [Typescript].

Lamb, H.H. *Mapping historical weather and past climates*. [MS].

Group for the study of the History of the British Climate 1351-1450. Summary by J.Z. Titov of references to weather in the account rolls of the Bishopric of Winchester, 1350-1450.

Data for reconstruction of the past record of climate. [Table].

CRU administration, research contracts and history [Box 4-5]

[Box 4]

Hulme, M. ed. *The climate of the British Isles: present, past and future : a volume to commemorate 25 years of the Climatic Research Institute 1971-1996?* [Notes & drafts].

Correspondence of Barbara Gray (CRU) with the Department of Environment (D.O.E.) concerning research contracts DGR 480/87 and 480/88 into climatic change, 1974-1979. [Folder].

D.O.E. Steering Group on Climate Change 1977-1978

D.O.E. contract DGR/480/87 with the Met. Off. and CRU; and reports on the feasibility of predicting long-term changes in climate in the U.K., 1976-1978. Also a report covering extension April 1st to September 1st 1978.

National Oceanic and Atmospheric Administration (NOAA) research proposal on the geographical patterns of climate change over recent millennia (800 AD). Includes contracts.

The reconstruction of European climate on decadal and shorter time scales – correspondence and EEC contract, CL-029-81-UK, 1981-1982.

Correspondence concerning supplement funding from the National Science Foundation (NSF) for a conference on 'Climate and History' at the University of East Anglia, 1979.

[Box 5]

European climate 800-1800 AD. Research programme and contract CLI.029.81.UK, 1981.

Occurrence of short lived climatic events – contract, proposals, expenditures, 1978-1981.

CRU water research unit – ledger, 1986-7.

CRU meeting of 25/2/1971 to discuss prospects for Spring 1971.

Correspondence with C. Loader (CRU), 1975-1978.

Correspondence – CRU staff, 1980-1987.

Correspondence with Crispin Tickell, Commission of the European Communities, on securing the future of CRU, 1977.

Research contracts and proposals, 1985.

International Southern Ocean Studies (ISOS) – Planning document of the Planning Committee, 1974.

Contract (1982) EEC & UEA – Biometeorological study on potato blight epidemic 1845-1846. [See 'Impact of climate on agriculture' for report].

Leverhulme Trust and grants for the Durham Observatory Meteorological Record, 1994.

Letter from a Quaker and H.H. Lamb's views on research at CRU & greenhouse effect, 1988.

Diaries, data sources and bibliographies [Box 6]

Weather diary Kilkenny, Ireland, 1682-3.

Excerpts from the North County Diaries by the Surtees Society, 1910.

Excerpts from the Rectors book Nottingham, 1910 on the weather 1676-1701.

Excerpts from Yorkshire diaries. Weather 1647-1734.

Wheeler, Dennis. *Highlights of the weather diary of Margaret Mackenzie of Delvine (Perthshire) 1780-1805.*

Weather notes 1688-1690 from the diary of Thomas Bellingham. Preston : [s.n], 1908.

The great diurnal of Nicholas Blundell, 1720. [Typescript].

Climatological bibliography of the Met. Off. Library [Microfiche].

MS notes with data sources.

Famous data collections of historical weather reports and diaries. [In separate box].

The Julian calendar as modified by Pope Gregory XIII. Calendar for the dates 1753-2000. Richardson, Bond & Wright.

Lamb, H.H. Old weather records of known date (new style) and historic interest dates, from the 8th – 20th centuries [MS, notebook/diaries].

Calendar of historic weather events since 1500 (dates before 14 Sept 1752 corrected to the new style of Gregorian calendar). [MS, notes in printed calendar].

Drought [Box 7]

Wright, P.B. Brief bibliography on drought, evaporation, soil moisture, 1981.

General administrative and research papers [Box 7]

World Meteorological Organization. Regional Association VI (Europe). Extraordinary session. Lucerne, April 1972. Minutes of the first plenary meeting, 19/4/1972.

Lawrence Livermore. National Laboratory contract - administrative papers, 1985-1986

General correspondence and papers [Box 7]

General correspondence, 1987

- Correspondence with Paul Hauerbach, Denmark re Skagen Spit. 1987.
 - Correspondence with Knut.
 - Storm of 1838 and Grace Darling Museum.
 - Correspondence re Mr and Mrs Lamb's visit to Denmark, Hamburg and Austria in 1988.
 - Kington, J.A. and H.H. Lamb. Catalogue of 18th and 19th century meteorological observing stations.
- Etc.

General correspondence, 1989-1991

- Includes: Correspondence with Cambridge University Press and others concerning the publication: *Historic Storms over the North Sea, British Isles & North West Europe*. 1989-1991
 - Correspondence with Knut
- Etc.

H.H. Lamb's review on *The Little Ice Age* by Jean M. Grove.

Correspondence with Lord Aldington (Count Nikolai Tolstoy) concerning a war crimes trial and libel case and the weather in the Klagenfurt Karawanken Mountains areas 17-24 May 1945, 1988.

External examination by H.H. Lamb of thesis by Kirsty Duncan, University of Edinburgh, 1993 - correspondence.

Correspondence with Dennis Wheeler, Geography Dept., University of Sunderland, 1994-1995.

Correspondence from Sandy [Crosbie] requesting H.H. Lamb to be an Honorary Patron of the Dynamic Earth project, 1993.

Global warming [Box 8]

Wigley, T.M.L. and S.C.B. Raper. *Thermal expansion of sea water associated with global warming*. Nature. Vol. 330, 1987. [Photocopy].

Hohen/Berg (Surface O₃). Data – print outs.

Graphs, maps & diagrams [Box 8-10]

[Box 8]

EEC diagrams, linens and master photocopies [Folder].

Continental drift – Antarctica maps.

Palaeoaltitudes – maps.

Lake and river levels – graphs, data.

Avalanches, snow, ice glaciers – graphs, data.

[Box 9]

MSL pressure and winds - maps

Seasonal progression graphs.

Soil moisture.

Evidence of past climates.

Crop records and responses.

Geological past: Palaeogeographics.

Ice age geographies.

Mediaeval vineyards N. Germany (map).

Plates, negatives and photocopies of maps 1795 and 1883.

[Box 10]

Oxygen isotope work - graphs.

Ice Age CO₂ work – graphs.

Impact on agriculture and food prices – graphs.

Climate implications from tree rings - graphs.

Sunshine – graphs.

Gale frequencies – graphs.

Temperature changes - graphs.

Recent & forecast rainfall changes.

Average temps in New Zealand.

Ice on the Antarctic Ocean.

500mb wave-length and wave position diagrams 1949-64.

Images & artwork [Box 11-12]

[Box 11]

Artwork showing climate, especially rock art & Constable, UK.

Drought and drifting sands.

Snow and glaciers.

Carlisle Cathedral.

River ice and lake ice.

Forests; growing season; tillage; tree rings; deserted villages.

River levels; soil moisture; building sites; building problems.

Satellite pictures.

[Box 12]

Storms and blown sand.

Tornadoes.

Varves.

Vineyards.

Volcanoes.

Photographic landscape pictures showing climate change.

Sea levels; ice levels; lake levels.

Pictures for publications - used and unused.

Impact of climate on agriculture [Box 13]

Parry, M.L. *Climatic change and the history of marginal agriculture*. 1977. [MS].

Table. Weather, harvests, and agrarian crises in Eastern England 1250-1350.

Bourke, A. and H.H. Lamb. *The spread of potato blight in Europe in 1845-6, and the accompanying wind and weather patterns*. [See also CRU contracts].

Agricultural yields study in Norfolk, 13th to 15th centuries, by Bruce Campbell, The Queen's University of Belfast. [Graphs, notes and correspondence].

Plant production notes [MS].

Impact of climate on humans [Box 13]

Lamb, H.H. Saasthal. *The human geography of the Saas Valley, Valais Switzerland*. Trinity College, 1934. [MS].

MS notes on: J. Jameson's *Report on the Epidemic Cholera Morbus as it visited the territories subject to the presidency of Bengal in the years 1817, 1818 and 1819*.

Bintliff, John L. *Natural environment and human settlement in prehistoric Greece*. 1975. [Bound thesis].

Long-range weather forecasting [Box 14]

Neumann, J. and H. Flohn. *Great historical events that were significantly affected by the weather: Part 8, Germany's war on the Soviet Union, 1941-45. II. Some important weather forecasts, 1942-45*. Reprinted from the Bulletin of American Meteorological Society, Vol. 69, no.7, July 1988.

Wright, P.B. *Preliminary forecasts of seasonal rainfalls in southwestern Western Australia – winter 1970 to summer 1971-72*. [MS]. (Lamb list 72).

Ja Sarova, V. *Charts of the anomalies of pressure and air-temperature and the amount of precipitation over the Northern Hemisphere*. Moscow, Akad. Nauk, 1965. [Unedited translation]. (Lamb list 72).

Vinogradov, N.D. *The relation between the types of atmospheric circulation and the temperature of the surface water in the northern part of the Atlantic Ocean*. Leningrad. Kad. Nauk, 1967. [Unedited translation]. (Lamb list 72).

Antipova, E.G. *Translation of westerlies over Europe in November*. Leningrad, 1967. [Unedited translation]. (Lamb list 72).

Semenov, V.G. The function of the underlying surface in forming anomalies in the circulation of the atmosphere. [Unedited translation]. (Lamb list 72).

Moffitt, Barry J. – *Winter*. (Submitted for B.Sc. (Hons.) Degree in Geography, University College of Swansea), 1973. (Lamb list 72).

Kats, A.L. Seasonal changes in the general circulation and long-range forecasts. [MS].

An analysis of forecasting rules for Spring. (Lamb list 74).

Miscellaneous LRF rules for monthly & seasonal forecasts. (Lamb list 73).

India Meteorological Dept. *Memorandum regarding the probable amount of monsoon rainfall in 1971*. (Lamb list 73).

Seasonal rainfall forecasting in India. [Appendix C]. [MS]. (Lamb list 72).

Franz Baur's automated LRF's Berliner Wetterkarte 1960s. (Lamb list 73).

Baur's FC rules. (Lamb list 73).

Franz Baur. *The scientific basis of long-range weather forecasts*. (Lamb list 72).

Craddock, J.M. *Scoring systems for assessing LRFs & review of successes by different F/C methods in the UK & elsewhere up to 1962*. (Lamb list 73).

Bell, Gordon J. *Long-range forecasts of northern hemisphere: circulation anomalies and rainfall*. [MS]. (Lamb list 72).

Lamb, H.H. *A possible approach to seasonal weather forecasting in the temperate zone*. [MS]. (Lamb list 72).

Meteorological Office [Box 15]

Includes reports on temperature and rainfall and hydrological memoranda.

The Met.Off. UK Monthly Summary, 1990-1991 (incomplete).

Phenology [Box 16]

Craddock, J.M. *Phenological indicators and past climates*, 1973. [MS, photocopy].

Kington, J.A. An application of phenological data to historical climatology. *Weather*, pp.320-329, 29 (9), 1974.

Margary, Ivan D. The Marsham phenological record in Norfolk, 1736-1925, and some others. Quarterly Journal Royal Meteorological Society, Vol.52, 1926.

Schnelle, Fritz. Hundert jahre phanologische beobachtungen im rhein-main-gebiet, 1841-1939, 1867-1947.

Pleistocene ice ages [Box 16]

Hays, James D. *Late cenozoic Antarctic Ocean sediments, their climatic record related to the record of world climate*. [Draft typescript]. (Lamb list 44).

Mercer, J.H. *Clanozoic temperature trends in the southern hemisphere: Antarctic and Andean glacial evidence*. (Lamb list 44).

Van Zinderen Bakker, E.M. *The glaciations(s) of Marion Island (sub-Antarctic)*. (Lamb list 44).

Galloway, R.W. and E. Löffler. *Late quaternary glaciation and periglacial phenomena in Australia and New Guinea*. (Lamb list 44).

Bowler, J.M. et al. *Later quaternary climates in Australia and New Guinea*. (Lamb list 44).

Anderson, Richard S. *Paleo-oceanography of the Mediterranean Sea: some consequences of the Würm glaciation*. U.S. California : Navy Postgraduate School, 1965. [Thesis]. Lamb list 43.

Polar meteorology [Box 16]

Kinsman, D.J.J. and J.W. Sheard. *The glaciers of Jan Mayen*. (MS.). [Polar meteorology 1. General and Arctic (Lamb list 68)].

Lamb, H.H. *Meteorology in the far south*. For The Times special supplement on Antarctica, Oct. 7, 1966. (Lamb list 70).

Palmer, C.E. *Synoptic analysis over the southern oceans*. Wellington : Meteorological Office, 1942. (Lamb list 70).

[Study of the retreat and advance of the 17,400ft thickness line]. [MS notes].

Pressure [Box 16]

Daily normal pressures 1899-1965. [Data print-out].

Rainfall papers [Box 17]

Met. Off. Rainfall data progression, 1972.

Rainfall graphs.

Multiple reports on precipitation, and relations with the northern and southern hemisphere rainfall and precipitation.

Rainfall data (Lamb list 3).

Monthly and annual rainfall at Kew, 1697-

Precipitation over the British Columbia Coast (Lamb list 2).

Wigley, T.M.L. and P.D. Jones. *England and Wales precipitation: a discussion of recent changes in variability and an update to 1985*. Jnl of Climatology, Vol.7, 231-246 (1987).

Bradley, R.S., P.D. Jones et al. *Precipitation fluctuations over northern hemisphere land areas since mid 19th century*. Science, 10/7/1987, Vol.237, pp. 171-175. [Reprint].

Wigley, T.M.L. (Investigator). *Riverflow reconstruction from rainfall and tree rings*. Includes correspondence with Natural Environment Research Council for the funding for this report and final report under grant GR3/4286. Norwich : CRU, 1984.

Sea ice [Box 17]

1684 Sea ice. [Correspondence, 1986].

Sea level papers [Box 18]

Gruza, G.V. and E.R. Rankova. *Data on the structure and variability of climate: air temperatures at sea level, Northern hemisphere*, 1979. [Report in Greek].

Mean July MSL pressure charts 1750-1959.

Untitled MS, pp.46-146, 160-164. (Sea-level and wind pressures). [Missing: pp.1-45, 147-159].

Lamb, H.H. *Haars or North Sea fog on the coast of GB*. Air Ministry Meteorological Office, 1943.

Seasonal development, singularities, monsoons & weather types [Box 18]

Flohn, H. *Meteorology and the desert locust: comments on a synoptic climatology of southern Asia*. WMO Techn. Note no.69 (1963), 245-252.

Bullig, H.J. *Ergebnisse zum Thema: Grossräumige Witterungszusammenhänge*. Ann. Der Met., Sept./Okt./Nov. 1948, 263-268.

Gregor, A. & Z. *Niederschlagsänderungen während eines jahres in ihrer beziehung zu den frontalzonen*. Studia Geoph. Et Geod., 2 (1958), 362-296.

Bell, G.J. *Seasonal forecasts and northern hemisphere circulation anomalies*. Weather, Sept. 1976, pp.282-288.

Singularities [Box 19]

Noble, K.E. *An attempt to provide a quantitative description of the European monsoon, June singularity*.

Tables, graphs, card index and notes.

Solar variations, data and effects [Box 19]

Maksimov, I.V. *An experiment in forecasting the secular component of solar activity*. Problems of the Arctic and Antarctic, 1963. No.12, pp. 21-32. (Lamb list 64:1).

Southern Hemisphere meteorology [Box 19]

Lamb, H.H. *Meteorological results of the Balaena expedition 1946-47*. London : HMSO, 1956.

Lamb, H.H. *On climatic variations affecting the far south*, pp.428-453.

Yoshida, K. *An assessment of the transport of momentum in the Australian sector of the southern hemisphere*. (International Antarctic Meteorological Research Centre. Technical report no. 7). (Lamb list 77).

Bullock, B.R. & D.R. Johnson *The generation of available potential energy by sensible heating in southern ocean cyclones*. Commonwealth Bureau of Meteorology, 1971 (International Antarctic Meteorological Research Centre. Technical report no. 13). (Lamb list 77).

Phillpot, H.R. *A study of the synoptic climatology of the Antarctic*. (International Antarctic Meteorological Research Centre. Technical report no. 12). (Lamb list 77).

Statistical studies and methods [Box 20]

O'Mahony, G. *Time series analysis of some Australian rainfall data*. Commonwealth of Australia. Melbourne : Bureau of Meteorology, 1961. (Meteorological Study no.14). (Lamb list 76).

Vol'cinger, N.E. *An experiment in the application of frequency analysis for studying the internal structure of natural climatic series*. Leningrad : s.n., 1966. [Unedited translation]. (Lamb list 76).

Storms [Box 20]

Lamb, H.H. *Tornadoes in England May 21, 1950*. London : HMSO, 1957.

Storm publications – references [MS].

Storms & coastal changes. [In separate box]. Includes sand storms.

**Storms over the N. Sea & other northern seas around the coasts of northwest Europe [Box 21-24]
[Box 21]**

Climate and Oceanographic Change in the North Atlantic: 1500-1700: research proposal by David Underwood to the NSF, 1978-1979.

Proposals on climate changes affecting the North Sea & its storminess (Office of Naval Research).

Correspondence re research on North Sea storms 1600- .

Proposed funding: Meteorological analysis of the severest North Sea storms known in the past in 1761-5, 1717, 1703 & the 1690s (funding from Shell).

Interim report on the meteorological analysis project on the severest North Sea storms.

Storm surges in the North Sea 1953.

Storm of 24/11/1981. Danish synoptic observations.

Dutch shipwreck on S. Coast of Iceland 29/9/1667.

Correspondence (1979) from Olive M. Spurr on researching storms in the North Sea, 1680-1800.

Climate charts of the northern hemisphere, 1973-1974.

Hamburg project for the study of wind distribution, storms and temperature/stability conditions in the North Sea – contract & correspondence, 1974-1975.

[Box 22]

Extraction sheets of storm winds 16th-20th century.

Maps and pictures for *Catalogue of Great Storms over the North Sea and Surrounding Areas*. [Contained in separate box].

[Box 23]

Historic storms study. Danish Met. Inst. Data 16th-20th centuries.

Includes the great Devon snow of 1891 with Charnel gale.

[Box 24]

Lamb, H.H. Historic storms study. Danish weather maps and data, 1800s & 1900s, and 1980s.

Temperature papers [Box 25]

Gedeonov, A.D. *Areas of large anomalies of mean monthly air temperature from the long period averages in the northern hemisphere*. Leningrad, 1967. [Unedited translation]. (Lamb list 7).

Polozova, L.G. & E.S. Rubenstein. *The present change of climate*, Moscow, 1963. [Unedited translation]. (Lamb list 7).

Bučinskij, I.E. *On the tendency of recent climatic variations*. (Kiev – Temperature and climatic changes c. 1920-1964) (Lamb list 7).

Heat in July in the British Isles, and in Europe generally. *Meteorological Magazine*, 110, 1981, pp. 231-233. [Photocopy].

Draft of Edinburgh temps and Buchan spells 1861-1960.

Craddock, J.M. *Persistent temperature regimes at Kew*. [MS].

Craddock, J.M. *Some facts about the mean winter temperature at Greenwich during the last two centuries*, 1962. (Lamb list 7).

See also oversize boxes 1 & 2.

Tree ring papers [Box 25]

Fritts, Harold C. *Reconstructing large-scale climatic patterns from tree ring data : a diagnostic analysis*. 1990. [MS].

Vegetation history [Box 25]

Wright, H.E. *Quarterly vegetation history – comparison between Europe and N. America*, 1977. [Reprint article]. (Lamb list 45).

Volcanic effects [Box 26]

Lamb, H.H. IUGG (Congress of the International Union of Geodesy and Geophysics) to mark the centenary of the eruption of Krakatoa (1983 : Hamburg). [Paper].

Lamb, H.H. The IAMAP Symposium on atmospheric effects of the 1982 eruptions of El Chichon volcano (1983 : Hamburg). [Paper & correspondence].

British Museum exhibition to mark the centenary of the eruption of Krakatoa, 1983.

Volcanic eruption reports; Scientific Event Alert Network (SEAN) 1876-77 and D.V.I. dust veil index assessments.

Natural Science Event Bulletin, Vol.1, no.1, 1976 – Vol.2, no.12, 1977.

Weather observations [Box 26]

Daily weather observations. Trondheim (Norway) 1724.

A summary of climatic events during the period March-May 1977, pp.33-68. [Printed excerpt].

John Evelyn (1620-1706). Diary weather excerpts.

Rawlinson. London daily weather observations, 1669-1700. [Microfilm]. [Old ref: D662, Bodleian Library, Oxford].

Weather - East Anglia [Box 27]

Soil, climate & settlement history (Norfolk).

Glaciations of Norfolk.

Ground frost 1976.

Hailstones, Holme Fen, 1935.

Hailstones 1977 – Haverhill.

Norfolk Rainfall Organization – history.

Margary, Ian. 1927. *Weather observations at Wrentham, Suffolk, 1673-1674*. [Reprint].

Data sources.

Volunteer corps and rain checkers. Eastern Daily Press, 1977. [Press-cutting].

Ford, M.J. and H.H. Lamb. *The climate of East Anglia since historical times*.

Norfolk Research Committee: Presidential address. *Some aspects of climate and life in East Anglia down the ages*. H.H. Lamb, 1985.

Correspondence with the Norfolk Naturalists Trust and drafts of H.H. Lamb's paper: *Some aspects of climate and life in East Anglia down the ages*.

Anglia TV weather department monthly summary February 1986.

Cornford, Barbara. *Weather and water levels in Flegg in the fourteenth century*. Norfolk Research Committee Bulletin, March 1982. [Annotated typescript].

Transcript of the will of John Methwoulde of South Pickenham, 1547.

Denver sluice - which broke down in 1713. [MS notes]. Attached with:
Notes: A journal of the weather at Lostaff (Lowestoft) in Suffolk from 1695 – 1724.

Lamb, H.H. *Our climate and the Norfolk scene: some persistent influences but ever-unfolding changes*. Presidential address to the Norfolk and Norwich Naturalist's Society, 1992. [MS and correspondence].

Notes on a sandstorm in Santon Downham, Suffolk, 1668.

Weather – UK & Ireland [Box 28]

Lamb, H.H. *The history of our climate: Wales*. Meteorological Office, [1965]. [Working copy].

Lamb, H.H. Types and spells of weather in the British Isles, pp.401-437. [Chapter in book].

Lamb, H.H. *The development of climate and the situation of Ireland*. Geographical Society of Ireland. Farrington Lecture 1980. [Includes correspondence].

Notebook. London weather 1691-1698.

Newburn (Tyne and Wear) Sports Centre – Probability of future flooding. [Correspondence, 1981].

Correspondence with OUP re publication *Climate and landscape in the British Isles* In: *The Landscape, Past, Present and Future*.

Mathers (Miltonhaven - Southern Kincardineshire, Scotland) disaster in 1795.

Weather – Central and Northern Europe [Box 29]

Lamb, H.H. *What can historical records tell us about the breakdown of the medieval warm climate in Europe in the fourteenth and fifteenth centuries – an experiment*. 1987. [Proofs, correspondence and diagrams].

Ogilvie, A.E.J. (CRU). *Climate and economy in Eighteenth Century Iceland*. [Reprint].

Weather in the Netherlands 1592-1602. [MS notes].

Fliri, Franz. *The Alps as climatic boundary: conception and reality*, pp.417-424.

Weather – Southern Europe [Box 29]

Bell, W.T. (CRU). *The climate of South-East Spain 1580-1630*.

Shonting, David H. An observation of hot air downwelling over Pantelleria island in the Strait of Sicily, 1972. [Photocopy].

Weather – North America [Box 29]

Wilson, C.V. *The summer season along the East Coast of Hudson Bay during the nineteenth century*.

Wilson, C. *Daily weather maps for Canada, summers 1816 to 1818*. Weather, May 1985. p.134-141.

Kupperman, Karen Ordahl. *The puzzle of the American climate in the early colonial period*. [MS].

Wind [Box 29]

Lamb, H.H. *The development of a method of estimating and forecasting wind at 10,000 feet over the North Atlantic*. Dublin, 1943.

Sanding incidents. [MS note].

Sunwind in the Faeroes. [MS].

Oversize Box 1

Coloured plates of drawings of the aurora by H. Petersen.

[Dozens of] Climate charts on the N. Hemisphere, 1972-1973.

Ben Nevis Observatory 1883-1904. [Pamphlet].

Negative film on the North Sea Floods; CPPF1 and CPPF2, CRURPs and others.

Oversize Box 2

Daily weather maps, 1965-1974.

Printed monthly European weather logs 1975-1995. From the Royal Meteorological Society.

World chart with temperatures for the month of September from 1763-1870. (Separate chart for each year).

World chart with temperatures for the month of September from 1871-1960. (Separate chart for each year).

World chart with temperatures for the month of May from 1681; 1771-1864. (Separate chart for each year).

World chart with temperatures for the month of May from 1865-1970. (Separate chart for each year).

LAMB/2

Creation date: 196? – 1979?

Extent: 14 linear metres.

Scope and content: Contains primarily reprints, data, charts and notes. Also press-cuttings, slides, photographic negatives.

Primarily relates to historical long-range weather forecasting over centuries; meteorological research, global weather phenomena, and global weather forecasting. Some institutional publications and conference material.

System of arrangement: No sorting or re-arrangement of LAMB/2 has taken place. The listing reflects the labels on the boxes or folders as kept by Lamb. There also exists two copies of an accompanying index compiled by Lamb (in red and blue ring-binders) to the printed reports, articles and reprints. There are over 80 lists, each with a separate subject theme.

Contents:

20 folders containing charts and weather maps. Some are oversize. (Occupying one shelf)

Fritz/Kutzbach. Derived Pm charts (seasonal means) from North American tree growth. 5-yr means 1701-5 to 1841-5. (Folder)

Fritz/Kutzbach. Derived Pm charts (seasonal means) from North American tree growth. 5-yr means 1701-5 to 1846-50 to 1956-60. (Folder)

British Isles daily weather type classification. Current register. (Folder)

Lamb classification of daily weather situations (types) over the British Isles 1761- and 1861- . Original master copy. (Folder)

Lamb's weather type classification for the British Isles for each day 1780- and other early sequences. (Folder)

Monthly wind and weather patterns. January before 1400. (Folder)

Monthly wind and weather patterns. January before 1650. (Folder)

Monthly wind and weather patterns, July, before 1400. (Folder)

Monthly wind and weather patterns, July, before 1650. (Folder)

Monthly means pressure at M.S.L. January. Decade means; longer period means; maps of standard error; delimitation maps; limits of tolerable error. Anomaly maps and change of normal pressure. (Folder).

Monthly mean pressure at M.S.L. July. Decade means; longer period means; maps of standard error; delimitation maps; limits of tolerable error. (Bias < 0.5mb approx.; S.E. < 1mb. N. Hemisphere; < 2.5mb Southern Hemisphere). Maps and change of normal P. (Folder)

Monthly means pressure at M.S.L. and wind patterns January before 1750 (1650-1749). (Folder)

Monthly means pressure at M.S.L. January 1750-1859 (draft). (Folder)

Monthly means pressure at M.S.L. January 1860- (draft). (Folder)

Monthly means pressure at M.S.L. and wind patterns July before 1750 (1650-1749). (Folder)

Monthly means pressure at M.S.L. July 1750-1829 (draft). (Folder)

Monthly means pressure at M.S.L. July 1830- (draft). (Folder)

Test charts 1879-88 simulating data available and used for period 1680-1720. (Folder)

Error test charts. January, and estimates of bias. (Folder)

Error test charts. July, and estimates of bias. (Folder)

Lamb listing of printed reports and articles (two copies in red and blue ring-binders).

Contains over 80 numbered lists compiled by Lamb. Each list has a subject theme and contains bibliographic details of printed reports and articles held within the collection.

Hubert Lamb centenary 1913-2013 documents and archive DVDs (brown box-file).

Notes for lectures and slides for societies, etc. (blue box-file).

Meteorological Office (box-file).

Negative film of storms. Includes two cards showing storm maps (orange box-file).

Slides (many slides in brown box).

Miscellaneous 1 (brown box).

Miscellaneous 2 (brown box).

Published papers (brown box-file).

Published papers (brown box-file).

Klemm, F. Weather Chronicle of the Thann Barefoot Monastery in Upper Alsace from 1182-1700. A contribution to the weather history of the Upper Rhine area. Frankfurt am Main, 1968 (folder).

Bryson, R.A. and J.F. Lahey. The march of the seasons. Issued by the Dept. of Meteorology, University of Wisconsin, 1958 (folder). [Available online, PDF].

Notes and papers. Temperature. Box 1. Global. Northern and Southern hemispheres, Arctic and Scandinavia, Antarctic, Atlantic, Pacific, Americas (brown box-file).

Notes and papers. Temperature. Box 2. British Isles (brown box-file).

Notes and papers. Temperature. Box 3. Continental Europe and USSR; Africa and Asia; Conservation of early scales (brown box-file).

Notes and papers. Climatic change theory and general papers. Classification of climates (brown box-file).

Observation data for Irish potato famine study, 1845, '46 ... Box 1. Denmark, Poland, Prague, Danish ships at sea (green box-file).

Observation data for Irish potato famine study, 1845, '46 ... Box 2. Finland, Netherlands, Belgium, France, Switzerland, Austria (green box-file).

Observation data for Irish potato famine study, 1845, '46 ... Box 3. England, Russia (green box-file).

Observation data for Irish potato famine study, 1845, '46 ... Box 4. Ireland, Norway, Sweden, Scotland, Sicily, Gibraltar, Germany, Ireland, Spain (green box-file).

Long climatological records and C.K. Folland's papers (green box-file).

Oceanography. I Early papers to 1956. II Peru current (green box-file).

Notes and papers for book Balena voyage and Antarctic whaling papers (green box-file).

Diagrams, circulation maps and Obs. Network, also source materials (green box-file).

Data sources and bibliographies (brown box-file).

Other papers. General climatology, etc. (brown box-file).

Volcanics (box-file).

Volcanoes and climate (brown box-file).

Volcanoes; Effects; luminous night clouds; atmospheric optics and stratosphere papers; man-made disasters, nuclear war, etc. (brown box-file).

Volcanics (box-file).

Extremes; atmosphere pressure, variability etc.; tropical cyclones; tidal waves; gales and storminess; thunderstorms and tornadoes; variability (general); long history of the winds (brown box-file).

Exceptional climatic events (brown box-file).

Historic storms; good photographs of weather maps, other figs. and pictures (box-file).

North Sea storms data 1500s - early 1700s sentas [?] and plotting conventions (green box-file).

Publications and some unpublished work before 1973 (brown box-file).

Publications and some unpublished work c1973-1974 (brown box-file).

Publications and some unpublished work c1975-1976 (brown box-file).

Publications and some unpublished work c1977- (brown box-file).

Publications and some unpublished current work (brown box-file).

CRU seminars and ENV lectures (brown box-file).

Cambridge lectures 1969 and Met Office Training Centre 1971 (brown box-file).

Presentation of lectures. F/Cs and papers. Biographies. History and future development of sciences, meteorology and climatology. Satellites. (F/C = forecast?) (brown box-file).

Penguin book contract and climate and future books (brown box-file).

CRUOB series (CRU Occasional Bulletin) (brown box-file).

Tidal (brown box-file).

Russian papers on levels of the Caspian Sea and lakes in Siberia (brown box-file).

Climatic variation. Ancient charts Data 1. Specification of the general circulation, London 17th century. Milan (green box-file).

Climatic variation. Ancient charts Data 2. Orkneys, Faeroes, Scandinavia, Iceland, New England, Eastern USA (box-file).

Climatic variation. Ancient charts Data 3. England (London), Iceland, Netherlands, France, Central Europe, Poland, I [?], from the Middle Ages (green box-file).

Climatic variation. Ancient charts Data 4. Canada, Newfoundland, Korea, Linz (Austria), Global papers of [?] pressure (green box-file).

History box 1. General health and diseases (brown box-file).

History box 1A. Ancient Times. Ancient voyages. Effects on art, buildings, culture, ideas. Chronologies (brown box-file).

History box 2. British Isles (brown box-file).

History box 3. Scandinavia, Faeroes, Iceland and Greenland, North Sea Community (brown box-file).

Continental Europe, Africa, Asia, Far East, The Americas, Southern Hemisphere (brown box-file).

Archaeology. North Sea, Europe includes Viking explorations, and general (brown box-file).

Archaeology. Southern Europe and rest of the World (brown box-file).

Synoptic processes (green box-file).

Climate forecasting and WMO, Working Group report 1972. World Climate Conference Declaration and [?] report, 1979 (brown box-file).

British weather around the year. Calendars of gales, [?], snow, fog, temperature (brown box-file).

IIASA (brown box-file).

INQUA (International Union for Quaternary Research) (brown box-file).

Cycles (brown box-file).

Cycles (brown box-file).

Sunshine, cloudiness and fog. Albedo, radiation, measurements and heat balance (brown box-file).

Climate reports. Main global weather news of the year (brown box-file).

Sea level (brown box-file).

Impact on Biota's tolerances. Extinctions. Birds. Insects. Soils. Earlier climates, etc. (brown box-file).

Waifs and strays (brown box-file).

Statistical and numerical methods (brown box-file).

Climate modelling. Papers on atmospheric circulation theory and observation. Teleconnexions (brown box-file).

Snow. Hail. Soil temps. Permafrost (brown box-file).

Soil Moisture. Evaporation. Lake levels. River levels. Well levels. Water table. Landslides. Salt (brown box-file).

Workers in climatology: past and present. World list, biographies, etc. (brown box-file).

Institutes, various (brown box-file).

Jet stream. Main weather of the year and current F/C data (brown box-file).

The economics of climate research and impact of climatic fluctuations and change on human affairs today. Insurance implications. HL medical climatology text and maps. Climate and health brown box-file).

Reports etc. (brown box-file).

Copy of files 1-32, Hamburg Project (brown box-file).

Notes and papers for revision of *The English Climate* around the British Isles (brown box-file).

Papers on archaeology relating to climate history. List no. 1 Lamb Collection (brown box-file).

Rainfall. British Isles. List no. 2 Lamb Collection (brown box-file).

World rainfall and moisture in the atmosphere. List no. 3 Lamb Collection (brown box-file).

Circulation type classifications. Grosswetterlagen daily classification from 1881, Hungarian and other. List no. 4 Lamb Collection (brown box-file).

Classification by A.A. Girs. *Long-term variations of the atmospheric circulation and hydrometeorological forecasting*. Leningrad 1971. List no. 5 Lamb Collection (brown box-file).

Circulation types. Daily pattern classification by B.L. Dzerdzevski. List no. 6 Lamb Collection (brown box-file).

Atmospheric circulation. List no. 9 Lamb Collection (brown box-file).

Sun-Weather relationships. List no. 10 Lamb Collection (brown box-file).

Northern Hemisphere, miscellaneous. List no. 11 Lamb Collection (brown box-file).

Lake levels; river levels; water table; evaporation; salt. List no. 13 Lamb Collection (brown box-file).

Ocean circulation. List no. 14 Lamb Collection (brown box-file).

Southern Hemisphere, miscellaneous. List no. 15 Lamb Collection (brown box-file).

Glaciers. List no. 17 Lamb Collection (brown box-file).

Ice sheets. List no. 17 Lamb Collection (brown box-file).

Birds, insects, etc. List no. 18 Lamb Collection (brown box-file).

Sediments, ocean-bed and lakes, including values [?] etc. List no. 19 Lamb Collection (brown box-file).

Fisheries and marine life. List no. 20 Lamb Collection (brown box-file).

Schemes to modify climate. Soviet rivers project. List no. 22 Lamb Collection (brown box-file).

Pollution B and conservation. Carbon dioxide. List no. 23 Lamb Collection (brown box-file).

Agricultural impact including horticulture and vineyards. List no. 25 Lamb Collection (brown box-file).

Pollution. Urbanization. Dust, other than volcanic. Inadvertent modification of the global climate. Ozone. Acid rain. Man-made disasters. Nuclear war and accidents. List no. 26, 27, 28 Lamb Collection (brown box-file).

Southern Sea ice. Baltic ice. Lake ice. River ice. List no. 30 Lamb Collection (brown box-file).

Snow and soil temperatures. List no. 31 Lamb Collection (brown box-file).

Sea temperatures and their effects. Lake and river temperatures. List no. 32 Lamb Collection (brown box-file).

Impact on trees, forests, etc. List no. 37 Lamb Collection (brown box-file).

N.S.F. Washington. List no. 38 (some) Lamb Collection (brown box-file).

Pleistocene ice ages and interglacials. List no. 39-44 Lamb Collection (brown box-file).

Late-glacial and post-glacial sequence. List no. 39-44 Lamb Collection (brown box-file).

Northern Sea ice and effects. List no. 29? 39-44 Lamb Collection (brown box-file).

Quaternary sequences and ice ages. Regional papers. List no. 39-44 Lamb Collection (brown box-file).

Vegetation history 1. General. Scandinavia, Europe and Med., British Isles, Iceland and Greenland. List no. 45 Lamb Collection (brown box-file).

Vegetation history 2. Asia and Far East, Africa, Southern Hemisphere, Northern hemisphere. List no. 46 Lamb Collection (brown box-file).

Impacts registered in human history. List no. 52 Lamb Collection (brown box-file).

Atmospheric pressure. Tropical cyclones. Gales and storminess in extratropical latitudes. Thunderstorms and tornadoes. List no. 53 Lamb Collection (brown box-file).

Disasters. Waves, swell and seiche. Tidal waves (tsunami). North Sea storms and floods. Coastal changes. List no. 54 Lamb Collection (brown box-file).

Volcano data. Box 1. List no. 55 Lamb Collection (brown box-file).

Volcano data. Box 2. List no. 56 Lamb Collection (brown box-file).

Volcanic effects. Luminous night clouds. Products of nuclear explosions. List no. 57 Lamb Collection (brown box-file).

Map projections and methods. Pollen analysis. Pressures/circulation mapping. Dating methods. C¹⁴ and various stable isotope work. List no. 34, 58, 62/63 Lamb Collection (brown box-file).

Geological and geomorphological evidence. Palaeogeography. Exploration. Earth and moon quakes. List no. 59/60 Lamb Collection (brown box-file).

Albedo, geomagnetism, geophysical, solar and astronomical influence changes and cosmic influences. Sunspot records. List no. 61, 64/65 Lamb Collection (brown box-file).

Long-range weather forecasting. List no. 72/73 Lamb Collection (brown box-file).

Medium to long-range weather forecasting studies. List no. 73 Lamb Collection (brown box-file).

History of meteorology and climatology. List no. 75 Lamb Collection (brown box-file).

Jet streams, anti-cyclones, cyclones and steering box. List no. 78 Lamb Collection (brown box-file).

Phenology. List no. 79 Lamb Collection (brown box-file).

Data, notes and reports on the weather in Eastern England. List no. 81 Lamb Collection (brown box-file).