

INDEX

	<i>Pages</i>
January	1-36
February	37-64
March	65-100
April	101-132
May	133-160
June	161-188

	<i>Pages</i>
July	189-228
August	229-268
September	269-300
October	301-336
November	337-376
December	377-412

Account of the International Conference on Polar Lows, Oslo, 21-23 May 1986; P.R. Jonas, 325
 Advisory group on greenhouse gases, 332
 Allam, R.J., see Turner, Allam and Maine
 Ashmore, M.R., see Reviews, 36
 Austin, J., see Reviews, 373
 Automated clear air turbulence forecasting; D.A. Forrester, 269
 Ballentine, J.; The Synoptic Data Bank, 37
 Barker, S.H., see Reviews, 374
 Bell, R.S.; The Meteorological Office fine-mesh data assimilation scheme, 161
 Bengtsson, L.; ECMWF --- ten years of European meteorological co-operation, 150
 Bennetts, D.A., McCallum, E. and Grant, J.R.; Cumulonimbus clouds: an introductory review, 242
 Bennetts, D.A., McCallum, E., Nicholls, S. and Grant, J.R.; Stratocumulus: an introductory account, 65
 Books received, 60, 131, 267, 300, 335, 375
 Boyden, C.J.; Meteorological Office training scheme: the first ten years, 190
 Brenchley, H.E.; The Mobile Meteorological Unit in the South Atlantic 1982-86, 257
 Bull, G.A., *obituary*, 132
 Burt, S.D.; High absolute humidities in Ireland, 12-13 July 1983, 406
 Case study of the detection of fog at night using channels 3 and 4 on the Advanced Very High Resolution Radiometer (AVHRR); J. Turner, R.J. Allam and D.R. Maine, 285
 Collier, C.G., see Reviews, 333
 Comparison of the principal component and near neighbour methods for the areal quality control of minimum temperature and sunshine duration; R.C. Tabony, 229
 Comparison of wind speeds recorded simultaneously by a pressure-tube anemograph and a cup-generator anemograph; J.J. Logue, 178
 Conference reports
 Sixth Conference on Atmospheric Radiation of the American Meteorological Society, Williamsburg, Virginia, 13-16 May, 1986; C.G. Kilsby, 265
 State of the Art in Numerical Analysis, University of Birmingham, 14-18 April 1986; M.J.P. Cullen, 297
 Controlling physiological age for maximum early potato production by the use of degree-day recordings; C.P. Roe, 77
 Convective cloud forecasts from the Meteorological Office fine-mesh model; T. Davies, 371
 Crummay, Frances A.; Monitoring the homogeneity of UK climatological data, 133
 Cullen, Dr M.J.P., awarded the Royal Society ESSO Energy Award, 268

Cullen, M.J.P., see Conference reports, 297
 Cumulonimbus clouds: an introductory review; D.A. Bennetts, E. McCallum and J.R. Grant, 242
 Cyprus tornado of 29 May 1985; A.W. Grice, 143
 Davies, T., see Reviews, 299
 Davies, T.; Convective cloud forecasts from the Meteorological Office fine-mesh model, 371
 Davies, T. and Hammon, Olive; Snow forecasts from the Meteorological Office fine-mesh model during the winter of 1985/86, 396
 Daytime peninsula convection 13 May 1986; Satellite and Radar Studies Group, 282
 Discrimination in the use of radar data adjusted by sparse gauge observations for determining surface rainfall; B.R. May, 101, *correction*, 188
 Dixon, F.E.; Irish Meteorological Service jubilee, 264
 ECMWF ten years of European meteorological co-operation; L. Bengtsson, 150
 Editor of the *Meteorological Magazine*, 185
 Errors in height estimation of convective cloud base; M.P. Garrod, 277
 EUMETSAT, 372
 Experimental monthly long-range forecasts for the United Kingdom. Part I. Description of the forecasting system; C.K. Folland and A. Woodcock, 301
 Experimental monthly long-range forecasts for the United Kingdom. Part II. A real-time long-range forecast by an ensemble of numerical integrations; J.M. Murphy and T.N. Palmer, 337
 Experimental monthly long-range forecasts for the United Kingdom. Part III. Skill of the monthly forecasts; C.K. Folland, A. Woodcock and L.D. Varah, 377
 Eyre, J.R., see Pescod, Saunders and Eyre
 Fifty years of training in the Meteorological Office; P.G. Wickham, 189
 Findlater, J., awarded the Imperial Service Order, 268
 Flood, C.R., awarded the Royal Society ESSO Energy Award, 268
 Folland, C.K. and Woodcock, A.; Experimental monthly long-range forecasts for the United Kingdom. Part I. Description of the forecasting system, 301
 Folland, C.K., Woodcock, A. and Varah, L.D.; Experimental monthly long-range forecasts for the United Kingdom. Part III. Skill of the monthly forecasts, 377
 Foreman, S.J.; Ocean and atmosphere interact!, 358
 Formation of an Association of European Climatologists, 333
 Forrester, D.A.; Automated clear air turbulence forecasting, 269
 Forrester, D.A.; Transatlantic flight incident, 50

- Gadd, Dr A.J., awarded the Royal Society ESSO Energy Award, 268
- Garrod, M.P.; Errors in height estimation of convective cloud base, 277
- Gavine, D.M.; Noctilucent clouds over western Europe during 1985, 361
- Gordon, N.D.; Improved accuracy of international aviation forecasts of winds and temperatures, 54
- Grant, A., see Reviews, 412
- Grant, J.R., see Bennetts, McCallum and Grant
- Grant, J.R., see Bennetts, McCallum, Nicholls and Grant
- Grant, K., see Reviews, 159
- Green, C., see Reviews, 157
- Gregory, S., see Reviews, 130
- Grice, A.W.; The Cyprus tornado of 29 May 1985, 143
- Gulf Stream variability and European climate; T.N. Palmer, 291
- Hammon, Olive, see Davies and Hammon
- High absolute humidities in Ireland, 12–13 July 1983; S.D. Burt, 406
- Hisscott, L.A.; Prolonged clear air turbulence over the British Isles on 4 September 1985, 329
- Hunt, T.L., *obituary*, 63
- Improved accuracy of international aviation forecasts of winds and temperatures; N.D. Gordon, 54
- International assessment of the role of carbon dioxide and of other greenhouse gases on climate variations and associated impacts, 123
- Irish Meteorological Service jubilee; F.E. Dixon, 264
- Jonas, P.R.; An account of the International Conference on Polar Lows, Oslo, 21–23 May 1986, 325
- Kemp, A.K.; Odd snowfall at Royal Air Force, Valley, *letter*, 63
- Kensett, C.H., see Reviews, 58
- Kilsby, C.G., see Conference reports, 265
- Lewis, R.P.W.; The Meteorological Office at Stonehouse 1939–45, 18
- Lewis, R.P.W.; An occasion of high absolute humidity in England: 1 July 1968, 115
- Lewis, R.P.W.; Rainfall investigations at Cardington and Winchcombe 1954–67, 86
- L.G. Groves Memorial Prizes and Awards, 95
- Logue, J.J.; Comparison of wind speeds recorded simultaneously by a pressure-tube anemograph and a cup-generator anemograph, 178
- McCallum, E., see Bennetts, McCallum and Grant
- McCallum, E., see Bennetts, McCallum, Nicholls and Grant
- Maine, D.R., see Turner, Allam and Maine
- Marshall, W.A.L., MBE, *obituary*, 186
- May, B.R.; Discrimination in the use of radar data adjusted by sparse gauge observations for determining surface rainfall, 101, *correction*, 188
- Meade, P.J.; Training in the Meteorological Office: some notes on the period from March 1948 to February 1952, 214
- Meade, P.J.; Transatlantic civil aviation – the initial phase: the first training course for scientists in the Meteorological Office, 193
- Meteorological background to the fall of Saharan dust, November 1984; D.A. Wheeler, 1
- Meteorological Office at Stonehouse 1939–45; R.P.W. Lewis, 18
- Meteorological Office College, 1972–86; C.J. Readings and P.G. Wickham, 220
- Meteorological Office fine-mesh data assimilation scheme; R.S. Bell, 161
- Meteorological Office training of assistant staff: 1939–51; R.J. Ogden, 200
- Meteorological Office training scheme: the first ten years; C.J. Boyden, 190
- Mobile Meteorological Unit in the South Atlantic 1982–86; H.E. Brenchley, 257
- Monitoring the homogeneity of UK climatological data; Frances A. Crummay, 133
- Monk, G.A.; Comments on 'Satellite photograph' - 4 November 1985 at 0426 GMT, *letter*, 126
- Moores, W.H., see Reviews, 158
- Morris, R.M.; The Spanish plume - testing the forecaster's nerve, 349
- Murphy, J.M. and Palmer, T.N.; Experimental monthly long-range forecasts for the United Kingdom. Part II. A real-time long-range forecast by an ensemble of numerical integrations, 337
- Nicholls, S., see Bennetts, McCallum, Nicholls and Grant
- Noctilucent clouds over western Europe during 1985; D.M. Gavine, 361
- Obituary notices
- Cadman, J.L., 188
- Gill, A.E., 187, *correction*, 228
- Lloyd, M.H., 64
- Nicholson, A.C., 64
- Pothecary, I.J.W., 98
- Occasion of high absolute humidity in England: 1 July 1968; R.P.W. Lewis, 115
- Ocean and atmosphere interact!; S.J. Foreman, 358
- Ogden, R.J.; Meteorological Office training of assistant staff: 1939–51, 200
- Palmer, T.N.; awarded the Royal Society ESSO Energy Award, 268
- Palmer, T.N.; Gulf Stream variability and European climate, 291
- Palmer, T.N., see Murphy and Palmer
- Pedder, M.A., see Reviews, 334
- Pescod, R.W., Saunders, R.W. and Eyre, J.R.; Sea surface temperature images from Advanced Very High Resolution Radiometer (AVHRR) data, 318
- Pollard, K., awarded the Royal Society ESSO Energy Award, 268
- Presentation of award to Sir Arthur Davies, 125
- Professor Dr Vilho Vaisala Award, 373
- Prolonged clear air turbulence over the British Isles on 4 September 1985; L.A. Hisscott, 329
- Rainfall investigations at Cardington and Winchcombe 1954–67; R.P.W. Lewis, 86
- Ratcliffe, R.A.S., see Reviews, 59
- Readings, C.J. and Wickham, P.G.; The Meteorological Office College, 1972–86, 220
- Reopening of Ross-on-Wye, 32
- Report on the sighting of aurora borealis at Royal Air Force Lyneham; P.J. Smith, 404

Reviews

- Air: composition and chemistry*, P. Brimblecombe (J. Austin), 373
- Air pollution by photochemical oxidants. Formation, transport, control and effects on plants*, ed. R. Guderian (M.R. Ashmore), 36
- Atmospheric ozone*, ed. C.S. Zerefos and A. Ghazi (E.L. Simmons), 129
- Climate and history*, ed. T.M.L. Wigley, M.J. Ingram and G. Farmer (R.A.S. Ratcliffe), 59
- Climatic hazards in Scotland: Proceedings of the Joint Royal Scottish Geographical Society and Royal Meteorological Society Symposium, University of Stirling, June 1984*, ed. S. John Harrison (W.H. Moores), 158
- Climatic scene*, ed. M.J. Tooley and G.M. Sheail (F. Singleton), 127
- Fields, currents and aerosols in the lower troposphere*, R. Reiter (C.G. Collier), 333
- Global change*, ed. T.F. Malone and J.G. Roederer (S. Gregory), 130
- Handbook of applied meteorology*, David D. Houghton (T. Davies), 299
- Oceanic whitecaps and their role in air-sea exchange processes*, ed. E.C. Monahan and G. MacNiocaill (A. Grant), 412
- Reviews of United Kingdom statistical sources, Volume XVII: Weather*, B.W. Atkinson, and *Water*, E.C. Penning-Roswell and D.J. Parker (R.D. Whyman), 266
- Safety of dams: flood and earthquake criteria*, the Committee on Safety Criteria for Dams, the Water Science and Technology Board, and Commission on Engineering and Technical Systems and the Natural Research Council (C. Green), 157
- Tornado! Proceedings of the first conference on tornadoes, waterspouts, wind-devils, and severe storm phenomena, Oxford Polytechnic 29 June 1985*, ed. G.T. Meaden and D.M. Elsom (K. Grant), 159
- Weather at sea*, D.M. Houghton (M.A. Pedder), 334
- World survey of climatology, Volume 1A: General climatology*, I.A. A. Kessler (S.H. Barker), 374
- World-wide weather*, ed. K. Takahashi (C.H. Kensett), 58
- Ricketts, J.N.; Unusual wave clouds over northern Scotland, 10
- Roe, C.P.; Controlling physiological age for maximum early potato production by the use of degree-day recordings, 77
- Royal Meteorological Society, 118
- Satellite and Radar Studies Group; Daytime peninsula convection — 13 May 1986, 282
- Satellite photograph — 4 November 1985 at 0426 GMT, 34
- Satellite photograph — 28 December 1985 at 0312 GMT, 61
- Satellite photograph — 24 August 1986 at 1552 GMT, 376
- Saunders, R.W., see Pescod, Saunders and Eyre
- Sea surface temperature images from Advanced Very High Resolution Radiometer (AVHRR) data; R.W. Pescod, R.W. Saunders and J.R. Eyre, 318
- Shutts, Dr G., awarded the Royal Society ESSO Energy Award, 268
- Simmons, E.L., see Reviews, 129
- Singleton, F., see Reviews, 127
- Smith, P.J.; Report on the sighting of aurora borealis at Royal Air Force Lyneham, 404
- Snow forecasts from the Meteorological Office fine-mesh model during the winter of 1985-86; T. Davies and Olive Hammon, 396
- Spanish plume — testing the forecaster's nerve; R.M. Morris, 349
- Stratocumulus: an introductory account; D.A. Bennetts, E. McCallum, S. Nicholls and J.R. Grant, 65
- Summer school at Dundee University, 121
- Summer school on 'Mesoscale meteorology', 56
- Synoptic Data Bank; J. Ballentine, 37
- Tabony, R.C.; A comparison of the principal component and near neighbour methods for the areal quality control of minimum temperature and sunshine duration, 229
- Training in the Meteorological Office: some notes on the period from March 1948 to February 1952; P.J. Meade, 214
- Transatlantic civil aviation — the initial phase: the first training course for scientists in the Meteorological Office; P.J. Meade, 193
- Transatlantic flight incident; D.A. Forrester, 50
- Turner, J., Allam, R.J. and Maine, D.R.; A case study of the detection of fog at night using channels 3 and 4 on the Advanced Very High Resolution Radiometer (AVHRR), 285
- Unusual wave clouds over northern Scotland; J.N. Ricketts, 10
- Varah, L.D., see Folland, Woodcock and Varah
- Waterspouts off the Farne Islands, 121
- Wheeler, D.A.; The meteorological background to the fall of Saharan dust, November 1984, 1
- White, Dr P.W., awarded the Royal Society ESSO Energy Award, 268
- Whyman, R.D., see Reviews, 266
- Wickham, P.G.; Fifty years of training in the Meteorological Office, 189
- Wickham, P.G., see Readings and Wickham
- Woodcock, A., see Folland and Woodcock
- Woodcock, A., see Folland, Woodcock and Varah
- Workshops about the middle atmosphere, 332
- World Meteorological Day, 186

The responsibility for facts and opinions expressed in the signed articles and letters published in this magazine rests with their respective authors.

Published for the Meteorological Office by Her Majesty's Stationery Office

© Crown copyright 1986