

INDEX

	<i>Pages</i>
January	1–28
February	29–60
March	61–96
April	97–128
May	129–160
June	161–196

	<i>Pages</i>
July	197–228
August	229–260
September	261–296
October	297–328
November	329–360
December	361–392

- Advisory Services Branch; Exceptionally strong winds of 16 October 1987 over the south of England, 389
- Allam, R.J., see Reviews, 26
- Analysis of wind speed and direction at a high-altitude site in the southern Pennines; P.A. Smithson, 74
- Application of satellite imagery in nowcasting and very short range forecasting; K.A. Browning, M.J. Bader, A.J. Waters, M.V. Young and G.A. Monk, 161
- Appreciation of the work of Mr D.E. Miller; K.H. Stewart, 324
- Atmospheric research at the University of Manchester Institute of Science and Technology; C.P.R. Saunders, 317
- Bader, M.J., see Browning, Bader, Waters, Young and Monk
- Barker, S.H., see Reviews, 391
- Barton, J.S.; Weather observations on Cairn Gorm summit 1979–86, 346
- Bhanu Kumar, O.S.R.U., see Subbaramayya, Bhanu Kumar and Vivekanandababu
- Books received, 27, 59, 95, 127, 227, 259, 295, 327, 391
- Bringing the analysis of occluded fronts into the satellite age; K.J. Weston, 19
- Brown, R.; Observations of the structure of a deep fog, 329
- Browning, K.A.; Rainfall pattern associated with a split cold front as seen on FRONTIERS, 21
- Browning, K.A., see Hill and Browning
- Browning, K.A., Bader, M.J., Waters, A.J., Young, M.V. and Monk, G.A.; Application of satellite imagery in nowcasting and very short range forecasting, 161
- Carson, D.J., see Reviews, 223
- Carson, D.J.; An introduction to the parametrization of land-surface processes. Part I. Radiation and turbulence, 229
- Carson, D.J.; An introduction to the parametrization of land-surface processes. Part II. Soil heat conduction and surface hydrology, 263
- Case study of a persistent mesoscale cold pool; F.F. Hill and K.A. Browning, 297
- Clough, S.A.; The mesoscale frontal dynamics project, 32
- Collier, P., see McClatchey, Runacres and Collier
- Comparison of numbers of visually estimated and instrumentally measured wind observations from merchant ships; D.S. Ive, 243
- Conference report
Computers and Climatic Data, Building Research Establishment, Garston, England, 10–11 June 1986; J.M. Penman, 56
- Cornford, S.G., see Reviews, 293
- Crummay, F.A.; Wind and the summer of 1985, 50
- Cullen, M.J.P., see Reviews, 93
- Davey, B.J.; Tornadic waterspout at the Jebel Ali Sailing Club, 129
- Davies, T.; The fine-mesh forecast of severe weather for 25 August 1986, 17
- Dealing with winter chaos; R.D. Hunt, 254
- Development of an extraordinary depression — a satellite perspective; J.N. Ricketts, 339
- Dixon, J.C. and Prior, M.J.; Wind-chill indices — a review, 1
- Duncan, C., see Reviews, 326
- Dynamics of the monthly-mean climate; G.J. Shutts, 137
- Estimation of extreme minimum temperature in the United Kingdom; R.C. Tabony, 285
- Exceptionally strong winds of 16 October 1987 over the south of England; Advisory Services Branch, 389
- Fine-mesh forecast of severe weather for 25 August 1986; T. Davies, 17
- FitzPatrick, T.A.; The Meteorological Office, Valletta, Malta 1942–45, 354
- Forecaster's life in the fifties; D.S. Gill, 125
- Gavine, D.M.; Noctilucent clouds over western Europe during 1986, 386
- George, D.J.; Comments on 'Prolonged clear air turbulence over the British Isles on 4 September 1985' by L.A. Hisscott, *letter*, 85
- Gill, D.S.; A forecaster's life in the fifties, 125
- Hall, C.D.; Verification of global model forecasts of tropical cyclones during 1986, 216
- Harker, P., see Reviews, 290
- Hayes, F.R., see Reviews, 292
- Hide, R., see Reviews, 159
- Hill, F.F. and Browning, K.A.; Case study of a persistent mesoscale cold pool, 297
- Hills, T.S., see Mitchell and Hills
- Hills, T.S., see Reviews, 326
- Hisscott, L.A.; Reply to comments by George on 'Prolonged clear air turbulence over the British Isles on 4 September 1985', *letter*, 86
- Historical background to the collection of meteorological observations from South Georgia; S.D. Merrick, 220
- Houghton, J.T.; The Meteorological Office — a ten-year perspective, 97
- Hunt, R.D.; Dealing with winter chaos, 254
- IAMAP Scientific Assembly, Reading, 1989, 59
- Impact of weather forecasts on aviation fuel consumption; P.W. White, 29
- Introduction to the parametrization of land-surface processes. Part I. Radiation and turbulence; D.J. Carson, 229

- Introduction to the parametrization of land-surface processes.
Part II. Soil heat conduction and surface hydrology;
D.J. Carson, 263
- Ive, D.S.; A comparison of numbers of visually estimated
and instrumentally measured wind observations from
merchant ships, 243
- Jones, R.L., see Reviews, 92
- L.G. Groves Memorial Prizes and Awards, 157
- Linear models of stationary planetary waves forced by
orography and thermal contrast; G.J. Shutts, 61
- McClatchey, J., Runacres, A.M.E. and Collier, P.; Satellite
images of the distribution of extremely low temperatures
in the Scottish Highlands, 376
- McKenna, D.S., see Reviews, 226
- Malcolm, J.; Tornadoes — or microbursts?, 43
- Mansfield, D.A.; The skill of dynamical long-range forecasts,
151
- Merrick, S.D.; The historical background to the collection of
meteorological observations from South Georgia, 220
- Mesoscale frontal dynamics project; S.A. Clough, 32
- Meteorological Office — a ten-year perspective; J.T. Houghton,
97
- Meteorological Office catches FIRE! ; S. Nicholls, 211
- Meteorological Office forecast road surface temperature
model; P.J. Rayer, 180
- Meteorological Office Historical Sea Surface Temperature
Data Set; D.E. Parker, 250
- Meteorological Office, Valletta, Malta 1942–45; T.A. FitzPatrick,
354
- Meteosat and radar rainfall imagery interpretation on the
night of 20/21 November 1986; A.J. Waters, 87
- Miller, Mr D.E., Retirement of, 261
- Mitchell, J.F.B.; Simulation of climate change due to
increased atmospheric carbon dioxide, 361
- Mitchell, J.F.B. and Hills, T.S.; Sea-ice and the Antarctic
winter circulation, 191
- Monk, G.A., see Browning, Bader, Waters, Young and
Monk
- MORECS climatological data set — a history of water-
balance variables over Great Britain since 1961; M.S. Shawyer
and P. Wescott, 205
- Nicholls, S.; Meteorological Office catches FIRE!, 211
- Noctilucent cloud over western Europe during 1986;
D.M. Gavine, 386
- Observations of the structure of a deep fog; R. Brown, 329
- Offiler, D.; Wind measurements from the Earth Resources
Satellite (ERS-1), 279, *correction*, 359
- Page, J.K., see Reviews, 94
- Parker, D.E.; The Meteorological Office Historical Sea
Surface Temperature Data Set, 250
- Penman, J.M., see Conference reports, 56
- Persistent anomalous circulation and blocking; G.J. Shutts,
116
- Prior, M.J., see Dixon and Prior
- Radar photograph — 18 March 1987 at 0800 GMT, 160
- Rainfall pattern associated with a split cold front as seen on
FRONTIERS; K.A. Browning, 21
- Random walk models of atmospheric dispersion; D.J. Thomson,
142
- Rawlins, F., see Reviews, 94
- Rayer, P.J.; The Meteorological Office forecast road surface
temperature model, 180
- Retirement
Miller, D.E., 261
- Reviews
Antarctic science, ed. D.W.H. Walton (S.H. Barker), 391
Atmospheric chemistry and physics of air pollution,
J.H. Seinfeld (D.S. McKenna), 226
Bunker climate atlas of the North Atlantic ocean,
Volume 1: Observations, H.-J. Isemer and L. Hasse
(P.K. Taylor), 23
*Chemistry of atmospheres: an introduction to the chemistry
of the atmospheres of earth, the planets and their
satellites*, R.P. Wayne (R.L. Jones), 92
Climate, weather and Irish agriculture, ed. T. Keane
(P. Harker), 290
Cloud investigation by satellite, R.S. Scorer (R.J. Allam),
26
Contemporary climatology, A. Henderson-Sellers and
P.J. Robinson (M.S. Shawyer), 257
Floodshock: the drowning of planet earth, A. Milne
(M.S. Shawyer), 24
Intrinsic geodesy, A. Marussi (R. Hide), 159
*Landolt-Börnstein: numerical data and functional relation-
ships in science and technology*, V/4a, ed. G. Fischer
(G. Shutts), 294
*Notes on numerical fluid mechanics. Volume 13: Proceedings
of the sixth GAMM-conference on numerical methods
in fluid mechanics*, ed. D. Rues and W. Kordulla
(M.J.P. Cullen), 93
Physical fundamentals of remote sensing, E. Schanda
(R.W. Saunders), 195
Prediction of solar radiation on inclined surfaces, ed.
J.K. Page (F. Rawlins), 94
Remote sensing digital image analysis, J.A. Richards
(C. Duncan), 326
The elements of graphing data, W.S. Cleveland (T.S. Hills),
326
*The Irish meteorological service: the first fifty years,
1936–86*, ed. L. Shields (S.G. Cornford), 293
The uncertainty business, W.J. Maunder (F.R. Hayes),
292
*Wind as a geological process on Earth, Mars, Venus and
Titan*, R. Greeley and J.D. Iversen (D.J. Carson), 223
- Ricketts, J.N.; The development of an extraordinary depression
— a satellite perspective, 339
- Royal Society Esso Energy Award, 30
- Runacres, A.M.E., see McClatchey, Runacres and Collier
- Satellite images of the distribution of extremely low
temperatures in the Scottish Highlands; J. McClatchey,
A.M.E. Runacres and P. Collier, 377
- Satellite photograph — 17 October 1986 at 0300 GMT, 28
- Satellite photograph — 12 November 1986 at 1457 GMT, 60
- Satellite photograph — 15 December 1986 at 0548 GMT, 96
- Satellite photograph — 13 January 1987 at 0359 GMT, 128
- Satellite photographs — 7 April 1987 at 1537 GMT, 196
- Satellite photograph — 13 May 1987 at 1410 GMT; visible
image, 228
- Satellite photographs — 7 June 1987 at 1442 GMT, 260
- Satellite photographs — 6 April 1987 at 1548 GMT, 296
- Satellite photograph — 6 August 1987 at 1359 GMT, 328
- Satellite photograph — 25 August 1987 at 0400 GMT, 360
- Satellite photograph — 2 September 1987 at 1550 GMT, 392

- Saunders, C.P.R.; Atmospheric research at the University of Manchester Institute of Science and Technology, 317
- Saunders, R.W., see Reviews, 195
- Sea-ice and the Antarctic winter circulation; J.F.B. Mitchell and T.S. Hills, 191
- Shawyer, M.S., see Reviews, 24, 257
- Shawyer, M.S. and Wescott, P.; The MORECS climatological data set — a history of water-balance variables over Great Britain since 1961, 205
- Shutts, G., see Reviews, 294
- Shutts, G.J.; Dynamics of the monthly-mean climate, 137
- Shutts, G.J.; Linear models of stationary planetary waves forced by orography and thermal contrast, 61
- Shutts, G.J.; Persistent anomalous circulation and blocking, 116
- Simulation of climate change due to increased atmospheric carbon dioxide; J.F.B. Mitchell, 361
- Skill of dynamical long-range forecasts; D.A. Mansfield, 151
- Smithson, P.A.; An analysis of wind speed and direction at a high-altitude site in the southern Pennines, 74
- Stewart, K.H.; An appreciation of the work of Mr D.E. Miller, 324
- Subbaramayya, I., Bhanu Kumar, O.S.R.U. and Vivekanandababu, S.; Variations in the onset of the summer monsoon over India, 309
- Tabony, R.C.; The estimation of extreme minimum temperature in the United Kingdom, 285
- Taylor, P.K., see Reviews, 23
- Thomson, D.J.; Random walk models of atmospheric dispersion, 142
- Tornadic waterspout at the Jebel Ali Sailing Club, B.J. Davey, 129
- Tornadoes — or microbursts?; J. Malcolm, 43
- Trafalgar storm 22–29 October 1805; D.A. Wheeler, 197
- Variations in the onset of the summer monsoon over India; I. Subbaramayya, O.S.R.U. Bhanu Kumar and S. Vivekanandababu, 309
- Verification of global model forecasts of tropical cyclones during 1986; C.D. Hall, 216
- Vivekanandababu, S., see Subbaramayya, Bhanu Kumar and Vivekanandababu
- Waters, A.J.; Meteosat and radar rainfall imagery interpretation on the night of 20/21 November 1986, 87
- Waters, A.J., see Browning, Bader, Waters, Young and Monk
- Weather observations on Cairn Gorm summit 1979–86; J.S. Barton, 346
- Wescott, P., see Shawyer and Wescott
- Weston, K.J.; Bringing the analysis of occluded fronts into the satellite age, 19
- Wheeler, D.A.; The Trafalgar storm 22–29 October 1805, 197
- White, P.W.; Impact of weather forecasts on aviation fuel consumption, 29
- Wind and the summer of 1985; F.A. Crummay, 50
- Wind-chill indices — a review; J.C. Dixon and M.J. Prior, 1
- Wind measurements from the Earth Resources Satellite (ERS-1); D. Offiler, 279, *correction*, 359
- Young, M.V., see Browning, Bader, Waters, Young and Monk

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 1987