

PUBLICATIONS 2000-2001

The following is a list of Bureau of Meteorology publications and publications by Bureau staff for 2000-01. A charge applies to those publications marked **.

1. Reports

- Bureau of Meteorology. 2000. *Annual Report 1999-2000*. AusInfo, Canberra, 225 pp.
- Bureau of Meteorology. 2000. Some aspects of variability and recent trends in rainfall in south-west Western Australia. Tapp, R. and Cramb, J., *Technical Report 72*, Bureau of Meteorology, Melbourne, 28 pp.
- Bureau of Meteorology. 2000. The accuracy of forecasting rainfall events in the Australian capital cities: 1982-1997. Davis, C.J. *Meteorological Note 218*, Bureau of Meteorology, Melbourne, 21 pp.
- Bureau of Meteorology. 2001. *Arrangements for Flood Warning Services in Victoria*. Bureau of Meteorology, Melbourne, 41 pp.
- Bureau of Meteorology. 2001. *Budget and Program 2000-01*. Bureau of Meteorology, Melbourne, 416 pp.
- Bureau of Meteorology. 2001. Development of the method of storm transposition and maximisation for the west coast of Tasmania. Xuereb, K.C., Moore, G.J. and Taylor, B.F., *Hydrology Report Series No.7*, Bureau of Meteorology, Melbourne, 46 pp.
- Bureau of Meteorology. 2001. *Engineering Plan 2001-02*. Bureau of Meteorology, Melbourne, 66 pp.
- Bureau of Meteorology. 2001. *Observations Plan 2001-02*. Bureau of Meteorology, Melbourne, 73 pp.
- Bureau of Meteorology Research Centre. 2000. Upgrades to the Bureau of Meteorology's ocean wave forecasting system. Greenslade, D.J.M. *BMRC Research Report No.79*, Bureau of Meteorology, Melbourne, 41 pp.
- Bureau of Meteorology Research Centre. 2000. Model Systematic Errors: extended abstracts of presentations at the Twelfth Annual BMRC Modelling Workshop (Co-Sponsored by WCRP/WGNE). Jasper, J.D. and Meighen, P.J. (eds.), *BMRC Research Report No.80*, Bureau of Meteorology, Melbourne, 288 pp.
- Bureau of Meteorology Research Centre. 2000. Impact of soil moisture on climate variability and predictability. Viviani, J., Lirola, S., Timbal, B., Power, S.B. and Colman, R.A. *BMRC Research Report No.81*, Bureau of Meteorology, Melbourne, 49 pp.

2. Books and Booklets

- Books and booklets dealing with Australian weather and climate and the operations and services of the Bureau are published by the Bureau and updated as necessary. Approximately 30 titles are current. The following new and revised material was published in 2000-01.
- Australian Meteorological Magazine*. Quarterly journal, annual subscription, ISSN 0004 9743, \$43.00, AusInfo.**
- Bureau of Meteorology. 2000. *Climatic Atlas of Australia-Rainfall*. ISBN 0 642 70624 7, \$19.40, Bureau of Meteorology, Melbourne, 20 pp.**
- Bureau of Meteorology. 2000. Goldfields-Eucla Western Australia. *Climatic Survey*. ISBN 0 642 70606 9, \$13.95, AusInfo, 102 pp.**
- Bureau of Meteorology. 2001. *A Hundred*

Years of Science and Services. Bureau of Meteorology, Melbourne, 20 pp.

Bureau of Meteorology. 2001. *Climatic Atlas of Australia-Evapotranspiration.* ISBN 0 642 32048 9, \$33.00, Bureau of Meteorology, Melbourne, 39 pp.**

Bureau of Meteorology. 2001. *Manual of Meteorology, Part 1 - General Meteorology.* ISBN 0 644 06933 3, \$27.00 Bureau of Meteorology, Melbourne, 149 pp.**

Bureau of Meteorology. 2001. *Observing the Weather.* ISBN 0 644 00538 6, \$9.70 Bureau of Meteorology, Melbourne, 49 pp.**

Bureau of Meteorology. 2001. *Volunteers for Weather, Climate and Water.* Bureau of Meteorology, Melbourne, 13 pp.

Bureau of Meteorology. 2001. *Volunteers for Weather, Climate and Water - World Meteorological Day Address.* Bureau of Meteorology, Melbourne, 10 pp.

3. Pamphlets and Newsletters

The Bureau maintained a set of more than 30 pamphlets covering fundamental and topical areas of meteorology, promoting the Bureau's services and providing basic corporate information. The following new pamphlets were published in 2000-01.

WATIR, Weather and Terminal Information Reciter, 2000

Boundary Layer Wind Profiler, 2000

Mini-guide to Bureau of Meteorology Marine Weather Services-NSW, 2000.

Mini-guide to Bureau of Meteorology Marine Weather Services-VIC, 2001.

Mini-guide to Bureau of Meteorology Marine Weather Services-TAS, 2001.

Mini-guide to Bureau of Meteorology Marine Weather Services-SA, 2001.

Mini-guide to Bureau of Meteorology Marine Weather Services-NT, 2001.

Mini-guide to Bureau of Meteorology Marine Weather Services-QLD, 2001.

4. Scientific Papers and Books

Articles listed were authored wholly or jointly by staff of the Bureau of Meteorology and published during the calendar year 2000.

Anaman, K.A., Lellyett, S.C. Avsan, G.S. 2000. Assessing the effect of aviation weather forecasts on fuel expenditures of an international airline. *International Journal of Transport Economics*, 27, 257-277.

Batt, K.L., Morison, R.P. and Speer, M.S. 2000. Direct verification of forecasts from a very high resolution numerical weather prediction (NWP) model. *Met. Atmos. Phys.*, 74, 117-127.

Buckley, B.W. and Leslie, L.M. 2000. Sudden temperature changes in the Sydney Basin: climatology and case studies during the Olympic months of September and October. *Intl J. Climatol.*, 20, 417-441.

Carbone, R.E., Wilson, J.W., Keenan, T.D. and Hacker, J.M. 2000. Tropical island convection in the absence of significant topography. Part I: Life cycle of diurnally forced convection. *Mon. Weath. Rev.*, 128, 3459-3480.

Carey, L.D., Rutledge, S.A., Ahijevych, D.A. and Keenan, T.D. 2000. Correcting propagation effects in C-Band polarimetric radar observations of tropical convection using differential propagation phase. *J. Appl. Meteor.*, 39, 1405-1433.

Chappel, L.C. and Bate, P.W. 2000. The South Pacific and southeast Indian Ocean tropical cyclone season 1997-98. *Aust. Met. Mag.*, 49, 121-138.

Cifelli, R.C., Williams, C.R., Rajopadhyaya, D.K., Avery, S.K., Gage, K.S. and May, P.T. 2000. Drop-size distribution characteristics in tropical mesoscale convective systems. *J. Appl. Meteor.*, 39, 760-777.

Clewett, J.F., Cliffe, N., Drosdowsky, L.M., George, D.A., O'Sullivan, D., Paull, C.,

- Partridge, I. and Saal, R. 2000. Building knowledge and skills to use seasonal climate forecasts in property management planning. In: *Applications of seasonal climate forecasting in agricultural and natural ecosystems*, G.L. Hammer, N. Nicholls and C. Mitchell (eds.), London, Kluwer, 291-307.
- Collins, D.A., Della-Marta, P.M., Plummer, N. and Trewin, B.C. 2000. Trends in annual frequencies of extreme temperature events in Australia. *Aust. Met. Mag.*, 49, 277-292.
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- Davidson, N.E. and Weber, H.C. 2000. The BMRC high resolution tropical cyclone prediction system: TC-LAPS. *Mon. Weath. Rev.*, 128, 1245-1265.
- de Hoedt, G.C. 2000. Seasonal climate summary southern hemisphere (autumn 1999): a decline in weak cold episode conditions in the tropical Pacific. *Aust. Met. Mag.*, 49, 51-58.
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- Elliott, J.F. and Stewart, B.J. 2000. Early warning for flood hazards. In: *Floods*, D.J. Parker (ed.), London, Routledge, Volume 1. 391-399.
- Foley, G.R. 2000. Tropical cyclone impacts in Australia. In: *Storms*, R Pielke Jr. and R Pielke Sr. (eds.), London, Routledge. Volume 1, 320-338.
- Gray, W.R. and Seed, A.W. 2000. The characterisation of orographic rainfall. *Meteor. Applications*, 7, 105-119.
- Hammer, G., Nicholls, N. and Mitchell, C.D. (eds.) 2000. *Applications of seasonal climate forecasting in agricultural and natural ecosystems*. London, Kluwer Academic Publishers.
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5. Articles

- Barrell, S.L. 2000. A science perspective on the Kyoto Protocol. *The Physicist*, 37, 6, 206-211.
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6. Posters and Charts

Volunteers for Weather, Climate and Water, 2001