References

Anderson, D. J., I. L. Turner, A. Dyson, S. Lawson, and S. Victory, 2003: Tweed River Entrance Sand Bypassing Project: 'Real Time' Beach Monitoring and Analysis System via the World-Wide-Web. *Proceedings, 16th Australasian Coastal and Ocean Engineering Conference ('Coasts and Ports 2003'),* **2**.

Barnum, J. R., 1971: Private correspondence.

Barrick, D. E., 1971: Theory of HF and VHF propagation across the rough sea, 1, The effective surface impedance for a slightly rough highly conducting medium at grazing incidence. *Radio Science*, **6,** 517-526.

Barrick, D. E., 1972a: First-order theory and analysis of MF/HF/VHF scatter from the sea. *IEEE Transactions on Antennas and Propagation*. **AP-20**, 2-10.

Barrick, D. E., 1972b, Remote sensing of sea state by radar, in *Remote Sensing of the Troposphere,* edited by V. E. Derr, 12-1 – 12-46, NOAA/Environmental Research Laboratories, Boulder, Colorado. US Government Printing Office, Washington, D. C.

Barrick, D. E., 1977: Extraction of wave parameters from measured HF radar sea-echo Doppler spectra. *Radio Science*, **12**, 415-424.

Barrick, D. E., 1980, Accuracy of parameter extraction from sample-averaged sea-echo Doppler spectra. *IEEE Transactions on Antennas and Propagation*. **AP-28**, 1-10.

Bureau of Meteorology, 1991. Observing the weather: The Australian co-operative observers guide. *AusInfo* cat. no. 987 3272 1

Bureau of Meteorology, 2001: Monthly Weather Review (February, 2001)

Bureau of Meteorology, 2001: Monthly Weather Review (March, 2001)

Bureau of Meteorology, 2001: Monthly Weather Review (July, 2001)

Callaghan, D. P. and P. Nielson, 2003: Morphological Modelling of the Tweed River Tidal Entrance. *Proceedings, 16th Australasian Coastal and Ocean Engineering Conference ('Coasts and Ports 2003')*, **No. 22**.

Crombie, D. D., 1955: Doppler spectrum of sea echo at 13.56Mc/s. *Nature*, **175,** 681-682.

Dyson, A., S. Victory, and T. Connor, 2001: Sand Bypassing the Tweed River Entrance: An Overview. *Proceedings, 15th Australasian Coastal and Ocean Engineering Conference ('Coasts and Ports 2001'),* 310-315.

Essen, H. H., 2000, Theoretical investigation on the impact of long surface waves on empirical ERS-1/2 scatterometer models, *International Journal of Remote Sensing*, **21**, 1633- 1656.

Falconer, R. L. and D. J. Linforth, 1972, Winds and waves in Bass Strait, *Meteorological Summary, Bureau of Meteorology – Department of the Interior*, April 1972.

Fernandez, D. M., H. C. Graber, J. D. Paduan and D. E. Barrick, 1997: Mapping wind direction with HF radar, *Oceanography*, **10**, 93-95.

Georges, T. M., J. W. Maresca, C. T. Carlson, J. P. Riley, R. M. Jones, and D. E. Westover, 1981: Recovering ocean waveheight form HF radar sea echoes distorted by imperfect ionospheric reflection. *NOAA Technical Memorandum* ERL WPL-73.

Guddal, J., 1999: Application of wave spectral information in marine forecasting. *Coastal Engineering*, **37,** 369-377.

Gurgel, K. W., H. H. Essen, and S. P. Kingsley, 1999: High-frequency radars: physical limitations and recent developments. *Coastal Engineering*, **37,** 201-218.

Gurgel, K. W., G. Antonischki, H. H. Essen, and T. Schlick, 1999: Wellen Radar (WERA): a new ground-wave HF radar for ocean remote sensing. *Coastal Engineering*, **37,** 219-234.

Gush, J. 2003, Crossing Bass Strait, *Ocean Navigator Magazine*, **130**.

Harris, G. P. and C. J. Crossland, 1999: Introduction to the Port Phillip Bay Environmental Study. *Marine and Freshwater Research*, **50,** iii-iv.

Hasselmann, K. 1971: Determination of ocean-wave spectra from Doppler radio return from the sea surface. *Nature Physical Science*, **229**, 16-17.

Heron, M. L., P. E. Dexter, and B. T. McGann, 1985: Parameters of the air-sea interface by high-frequency ground-wave Doppler radar. *Australian Journal of Marine Freshwater Research*, **36,** 655-670.

Heron, M. L. and R. J. Rose, 1986: On the application of HF ocean radar to the observation of temporal and spatial changes in wind direction. *IEEE Journal of Oceanic Engineering*, **OE-11,** 210-218.

Heron, M. L. and S. F. Heron, 2001: Cumulative probability noise analysis in geophysical spectral records, *International Journal of Remote Sensing*, **22**, 2537-2544.

Heron, M. L. and A. Prytz, 2002: Wave height and wind direction from the HF coastal ocean surface radar. *Canadian Journal of Remote Sensing*, **28,** 385-393.

Heron, M. L., 2005: The role of HF ocean surface radar in Australia as a long-term coastal ocean monitoring facility, *Australasian Coastal and Ocean Engineering Conference (Coasts and Ports 2005). (In review)*

Hisaki, Y., 1999: Correction of amplitudes of Bragg lines in the sea echo Doppler spectrum of an ocean radar. *Journal of Atmospheric and Oceanic Technology*, **16,** 1416-1433.

Holden G. J. and L. R. Wyatt, 1992: The extraction of sea-state in shallow water using HF radar, *IEE Proceedings Part F*, **139**, 175-181.

Huang, W., E. Gill, S. Wu, B. Wen, Z. Yang, and J. Hou, 2003: Measuring surface wind direction by monostatic HF ground-wave radar at the Eastern China Sea. *IEEE Journal of Oceanic Engineering*, **29**, 1032-1037.

Janssen-Stelder, B., 2000: The effect of different hydrodynamic conditions on the morphodynamics of a tidal mud flat in the Dutch Wadden Sea. *Continental Self Research,* **20**, 1461-1478.

Kinsman, B., 1965: Wind Waves, *Prentice-Hall, Englewood Cliffs, N. J.*

Krogstad, H. E. and S. F. Barstow, 1999: Satellite wave measurements for coastal engineering applications. *Coastal Engineering*, **37**, 283-307.

Krogstad, H. E., J. Wolf, S. P. Thompson, and L. R. Wyatt, 1999: Methods for Intercomparison of Wave Measurements. *Coastal Engineering*, **37**, 235-257

Lipa, B. J., 1978, Inversion of second-order radar echoes from the sea. *Journal of Geophysical Research,* **83**, 959-962.

Lipa, B. J. and D. E. Barrick, 1980, Methods for the extraction of long-period ocean-wave parameters from narrow-beam HF radar sea echo, *Radio Sci.*, vol. **15**, pp. 843-853.

Lipa, B. J. and B. Nyden, In Press: Directional Wave Information from the SeaSonde. *IEEE Journal of Oceanic Engineering.*

Lipa, B. J., D. E. Barrick, and J. W. Maresca, 1981: HF radar measurements of long ocean waves. *Journal of Geophysical Research*, **86,** 4089-4102.

Lipa, B. J. and D. E. Barrick, 1986, Extraction of sea state from HF radar sea echo: Mathematical theory and modelling. *Radio Science*, Volume **21**, No. 1, 81-100.

Long, A. E., and D. B. Trizna, 1973, Mapping of North Atlantic winds by HF radar backscatter interpretation, *IEEE Transactions on Antennas and Propagaion*, **AP-21**, 680-685.

Longuet-Higgins, M. S., D. E. Cartwright, and N. D. Smith, 1963: Observations of the directional spectrum of sea waves using the motion of a floatation buoy. *Proceedings of the Conference on Ocean Wave Spectra, Prentice-Hall Inc., Englewood Cliffs, N.J.*, 111-136.

Oltman-Shay, J. and K. K. Hathaway, 1989: Infragravity energy and its implications in nearshore sediment transport and sandbar dynamics. *Technical Report CERC-TR-89-8.*

Phillips, O. M., 1977: Dynamics of the upper ocean. *2nd ed. Cambridge University Press.*

Pierson, W. J. Jr, and L. Moskowitz, 1964. A proposed spectral form for fully developed wind seas based on a similarity method of S. A. Kitaigordskii. *Journal of Geophysical Research,* **69**, 5181-5190.

Prandle, D. and L. R. Wyatt, 1999: Editorial: Introduction to this special issue. *Coastal Engineering,* **37,** 193-199.

Pritchard, D. and A. J. Hogg, 2003: On fine sediment transport by long waves in the swash zone of a plane beach. *Journal of Fluid Mechanics,* **493**, 255-275.

Provis, D. G., 2004: At the Planning Panel Inquiry: In the matter of the channel deepening project environment effects statement. *Port of Melbourne Corporation Report* No. RM2085/J5372.

Prytz, A. and M. L. Heron, 1999: On the flushing of Port Phillip Bay: an application of HF ocean radar. *Marine and Freshwater Research,* **50,** 483-492.

Prytz, A. and M. L. Heron, 1995: HF radar measurements of surface currents in southern Port Phillip Bay. CSIRO Institute for Natural Resources and Environment - Port Phillip Bay Environmental Study. iii, 18 pp.

Ruggiero, P., G. M. Kaminsky, P. D. Komar, and W. G. McDougal, 1997: Extreme waves and coastal erosion in the Pacific Northwest. *Ocean Wave Measurement and Analysis, Proceedings of the 3rd International Symposium, Waves '97*, 947-961.

Sevgi, L., A. Ponsford, and H. C. Chan, 2001: An integrated maritime surveillance system based on High-Frequency surface-wave radars, Part 1: Theoretical background and numerical simulations. *IEEE Antennas and Propagation Magazine*, **43,** 28-43.

Spillane, K. T., R. L. Falconer and D. S. Wright, 1972: Deep water waves and swell state in Bass Strait. *Bureau of Meteorology, Department of the Interior – Meteorological Summary*

Stewart, R. H., 1971: Higher order scattering of radio waves from the sea. *IEEE G-AP International Symposium Digest*, 190-193

Stewart, R. H. and J. W. Joy, 1974: HF radio measurements of surface currents. *Deep Sea Research*, **21**, 1039-1049.

Stewart, D. J and J. R. Barnum, 1975: Radio measurements of oceanic winds at long ranges: An evaluation. *Radio Science*, **10**, 853-857.

Terwindt, J. H. J., C. H. Hulsbergen, and L. H. M. Kohsiek, 1984: Structures in deposits from beach recovery, after erosion by swell waves around the southwestern coast of Aruba (Netherlands Antilles). *Marine Geology*, **60,** 283-311.

van der Molen, W., H. Ligteringen, J. C. van der Lem, and J. C. M. de Waal, 2003: Behaviour of a Moored LNG Ship in Swell Waves. *Journal of Waterway, Port, Coastal and Ocean Engineering,* **129,** 15-21.

Wait, J. R., 1966: Theory of HF ground wave backscatter from sea waves. *Journal of Geophysical Research,* **71,** 4839-4842.

Wyatt, L. C., S. P. Thompson and R. R. Burton, 1999: Evaluation of HF radar wave measurements. *Coastal Engineering*, **37**, 259-282.

Wyatt, L. R., J. J. Green, K -W. Gurgel, J. C. Nieto Borge, K. Reichert, K. Hessner, H. Günther, W. Rosenthal, O. Saetra and M. Reistad, 2003: Validation and intercomparisons of of wave measurements and models during the EuroROSE experiments. *Coastal Engineering*, **48**, 1-28.