

## **J.G. Shepherd : Publications**

Updated to June 2002

### **Refereed Journal articles**

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- Shepherd, J.G.**, 1975, A simplified expression for the contributions of radioactive daughters to the effective decay energies of chains: Health Physics, 29, 805-808.
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- Shepherd, J.G.**, 1978, A simple model for the dispersion of radioactive wastes dumped on the deep-sea bed: Mar. Sci. Communic., 4, (4), 293-327.
- Shepherd, J.G.**, and Horwood, J.W., 1979, The sensitivity of exploited populations to environmental noise, and the implications for management: J. Cons. Int. Explor. Mer., 38, (3), 318-323.
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- Shepherd, J.G.**, and Cushing, D.H., 1980, A mechanism for density-dependent survival of larval fish as the basis of a stock-recruitment relationship: J. Cons. Int. Explor. Mer., 39, (2), 160-167.
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- Shepherd, J.G.**, and Garrod, D.J., 1981, Modelling the response of a fishing fleet to changing circumstances using cautious non-linear optimisation: *J. Cons. Int. Explor. Mer.*, 39, (3), 231-238.
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- Shepherd, J.G.**, 1982, A family of general production models for exploited populations: *Math Biosciences*, 59, 77-93.
- Shepherd, J.G.**, 1982, A versatile new stock and recruitment relationship for fisheries, and the construction of sustainable yield curves: *J. Cons. Int. Explor. Mer.*, 40, (1), 67-75.
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- Shepherd, J.G.**, 1983, Two measures of overall fishing mortality: *J. Cons. Int. Explor. Mer.*, 41, 76-80.
- Lockwood, S.J., and **Shepherd, J.G.**, 1984, An assessment of the western stock of mackerel: *J. Cons. Int. Explor. Mer.*, 41, 167-180.
- Shepherd, J.G.**, Pope, J.G., and Cousens, R.D., 1984, Variations in fish stocks and hypotheses concerning their links with climate: *Rapp. P.-v. Reun. Cons. Int. Explor. Mer.*, 185, 255-267.
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#### **Theses et alia**

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- Shepherd, J.G.**, 1977, The sensitivity of exploited populations to environmental noise, and the implications for management: ICES C.M., 1977/F:27.
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- Shepherd, J.G.**, Brander, K.M., and Garrod, D.J., 1985, Towards improved procedures for fisheries management: ICES C.M., 1985/G:73.
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- Shepherd, J.G.**, 1987, A weakly parametric method for the analysis of length compositions., Pauly, D., and Morgan, G. R., editors, Length-based methods in fisheries research, ICLARM conference proceedings, p. 113-120.
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**Shepherd, J. G.**, 1984, The availability and information content of fisheries data. p. 95-109 in May, R. M., editor, Exploitation of marine communities: Berlin, Dahlem Konferenzen, Springer Verlag, .

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**Shepherd, J. G.**, and McGlade, J. M. (eds), 1991, Techniques for biological assessment in fisheries management., Julich.

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#### **Book Reviews**

- Shepherd, J.G.**, 1986, Book review : Clark, C.W., Bioeconomic modelling and fisheries management: Biometrics, 683-684.
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- Shepherd, J. G.** (1998). Book review of "Life, the Universe and the single mollusc." Nature **396**(6713): 731-732.

#### **General publications, press & popular articles**

- Shepherd, J.G.**, 1989, Stocks are never stable: Fishing News, (3971), 12-13.
- Shepherd, J.G.**, 1990, Stability and the objectives of fisheries management: the scientific background: MAFF Directorate of Fisheries Resarch, Laboratory Leaflet, 64.
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#### **Un-refereed technical reports, etc**

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