

Barotropic stirring:

Rhines, P. B., 1979: The dynamics of unsteady currents. In *The Sea*, 6, 189-318. New York: Wiley-Interscience.

Held, I.M., 1985: Pseudomomentum and the orthogonality of modes in shear flows, *J. Atmos. Sci.*, 42, 2280-2288.

Held, I.M., and P. J. Phillipps, 1987: Linear and nonlinear barotropic decay on the sphere. *J. Atmos. Sci.*, 44, 200-207.

Nonlinear extension of pseudomomentum conservation:

Shepherd, T. G., 1987: Non-ergodicity of inviscid two-dimensional flow on a beta-plane and on the surface of a rotating sphere. *J. Fluid Mech.*, 1987: 289-302.

Hamiltonian formulation of conservation laws:

Shepherd, T.G., 1990: Symmetries, conservation laws and Hamiltonian structure in geophysical fluid dynamics. *Advances in Geophysics*, 32, 287-338.

Rossby wave critical layers:

Linear dissipative:

Dickinson, R. E., 1968: Planetary Rossby waves propagating through weak westerly wind waveguides. *J. Atmos. Sci.*, 25, 984-1002.

Linear, time-dependent:

Dickinson, R. E., 1970: Development of a Rossby wave critical level. *J. Atmos. Sci.*, 27, 627-633. see also corrections in

Warn, T. and Warn, H., 1976: On the development of a Rossby wave critical level. *J. Atmos. Sci.*, 33, 2021-2024.

Nonlinear, steady state:

Benney, D. J., and R. F. Bergeron, 1969: A new class of nonlinear waves in parallel flows. *Studies in Applied Math.*, 48, 181-204

Nonlinear, time-dependent:

Warn, T. and Warn, H., 1978: Evolution of a nonlinear critical level. *Studies in Appl Math.*, 59, 37-71.

Killworth and McIntyre, 1985: Do Rossby wave critical layers absorb, reflect, or overreflect? *J. Fluid Mech.*, 161, 449-491.

Stability:

P. H., Haynes 1985: Nonlinear instability of a Rossby wave critical level. *J. Fluid Mech.*, 161, 493-511.

Baroclinic Rossby wave-mean flow interaction theory:

Dickinson, R. E., 1969: Theory of planetary wave-zonal flow interaction. *J. Atmos. Sci.*, 26, 73-81.

H. J. Edmon, B. J. Hoskins, B. J., M. E. McIntyre 1980: Eliassen-Palm cross-sections for the troposphere, *J. Atmos. Sci.*, 37, 2600-2616.

McIntyre, M. E., and W. A. Norton, 1990: Dissipative wave-mean interactions and the transport of vorticity or potential vorticity. *J. Fluid. Mech.*, 212, 403-435.

T. Dunkerton, 1980: A Lagrangian mean theory of wave, mean-flow interaction with applications to nonacceleration and its breakdown. *Rev. Geophys. Space Phys.*, 18, 387-400.

Andrews D. G., and M. E. McIntyre, M. E., 1976: Planetary waves in horizontal and vertical shear: the generalized Eliassen-Palm relation and the mean flow acceleration. *J. Atmos. Sci.*, 33, 2031-2048.

Andrews, D. G., and M. E. McIntyre, 1978: An exact theory of nonlinear waves on a Lagrangian-mean flow. *J. Fluid Mech.*, 89, 609-646.