

## 5961: CRYOSPHERIC FEEDBACKS

- Allison, I., Barry, R.G. and Goodison, B.E. (eds.), 2001. Climate and Cryosphere (CliC) Project Science and Co-ordination Plan Version 1. *WCRP-1114, WMO/TD No. 1053*, World Climate Research Programme, Geneva, 75 pp.
- Barry, R.G., Henderson-Sellers, A. and Shine, K.P. 1984. Climate Sensitivity and the Marginal Cryosphere. In: J.E. Hansen and T. Takahashi (eds.), *Climate Processes and Climate Sensitivity, Geophysical Monograph 29*, Amer. Geophys. Union, Washington, D.C.: 221-237.
- Barry, R.G. 1985A. Snow and ice data. In: A.D. Hecht (ed.), *Palaeoclimate Analysis and Modeling*, J. Wiley, New York, pp. 259-290.
- Barry, R.G. 1985B. The cryosphere and climate change. In: M.C. MacCracken and F.M. Luther (eds.), *Detecting the Climate Effects of Increasing Carbon Dioxide*, DOE/ER-0235, U.S. Dept. of Energy, pp. 109-148.
- Barry, R.G. 1986. Aspects of the meteorology of the seasonal sea ice zone. N. Untersteiner (ed.), *The Geophysics of Sea Ice*, Plenum Press, New York, pp. 993-1020.
- Barry, R.G. 1996. The parameterization of surface albedo for sea ice and snow cover. *Progr. Phys. Geog.*, 20: 61-77.
- Bengtson, L. Semenov, V.A. and Johannessen, O.M. 2004. The early twentieth century warming in the Arctic – a possible mechanism. *J. Climate* 17(20): 4045-57.
- Boulton, G.S., et al. 1985. Glacial geology and glaciology of the last mid-latitude ice sheets. *J. Geol. Soc.*, London: 142: 447-474.
- Budd, W.F. and Smith, I.N. 1981. The growth and retreat of ice sheets in response to orbital radiation changes. In: I. Allison (ed.), *Sea Level, Ice and Climatic Change, Internat. Assoc. Hydrol. Sci. Publ. no. 131*: 369-409.
- Carleton, A.M. 1984. Cloud-cryosphere interactions. In: A. Henderson-Sellers (ed.), *Satellite Sensing of a Cloudy Atmosphere: Observing the Third Plant*, Taylor and Francis, London: 289-325.
- Clark, M.P. and Serreze, M.C. 2000. Effects of variations in east Asian snow cover on modulating atmospheric circulation over the North Pacific Ocean. *J. Climate*: 13(20): 3700-10.
- Cohen, J. and Entekhabi, D. 2001. The influence of snow cover on Northern Hemisphere climate variability. *Atmos.-Ocean*, 39: 35-53.

- Colman, R. 2003. Seasonal contributions to climate feedbacks. *Clim. Dynam.*, 20(7-8) 825-41.
- Denton, G.H. and Hughes, T.J. 1981. *The Last Great Ice Sheets*. J. Wiley, New York.
- Ebert, E. E. and Curry, J.A. 1993. An intermediate one-dimensional thermodynamic sea ice model for investigating ice-atmosphere interactions. *J. Geophys. Res.*, 98: 10,085-109.
- Felzer, B., Oglseby, R.J., Webb, T.III., and Hyman, D.E. 1996. Sensitivity of a general circulation model to changes in northern hemisphere ice sheets. *J. Geophys. Res.*, 104: 11,995-12,018.
- Gerland, S. and nine others. 2004. Discussions of Arctic climate feedback mechanisms *Eos Transactions*: 85(15): 147.
- Gerland, S. and Njastad, B. (eds) 2004. Arctic climate feedback mechanisms. Norsk Polarinstitutt Report 124, 63 pp.
- Groisman, P. Ya. And Davies, T.D. 2000. Snow cover and the climate system. In: Jones, H.G., Pomeroy, J.W., Walker, D.A. and Hoham, R.W. (eds.), 2001. *The Ecology of Snow*, Cambridge University Press, pp. 1-44.
- Hall, A. 2004. The role of surface albedo feedback in climate. *J. Climate* 17(7): 1550-68.
- Hansen, J.E., Lacis, A., Rind, D., Russell, G., Stone, P., Fung, I., Ruedy, R. and Leones, J. 1984. Climate sensitivity: analysis of feedback mechanisms. In: J.E. Hansen and T. Takahashi (eds.), *Climate Processes and Climate Sensitivity, Geophysical Monograph 29*, Amer. Geophys. Union, Washington, D.C., pp. 130-163.
- Ingram, W.J.C., Wilson, C.A. and Mitchell, J.F.B. 1989. Modeling climate change: An assessment of sea ice and surface albedo feedbacks. *J. Geophys. Res.*, 94(D6): 8609-22.
- Kageyama, M. and 4 others. 1999. Northern Hemisphere storm tracks in present day and Last Glacial Maximum climate simulations: A comparison of the European PMIP models. *J. Climate*, 12: 742-60.
- Kellogg, W.W. 1975. Climate feedback mechanisms involving the polar regions. In: G. Weller and S.A. Bowling (eds.), *Climate of the Arctic*, Univ. of Alaska, Fairbanks, pp. 111-116.
- Koerner, R.M. 1980. Instantaneous glacierization, the rate of albedo change and feedback effects at the beginning of an Ice Age. *Quatern. Res.*, 13: 153-59.

- Kukla, G. 1980. Climatic role of snow covers. In: I Allison (ed.), *Sea Level, Ice and Climatic Change*, Int. Assoc. Hydrol. Sci., 131: 79-107.
- Lamb, H.H. 1955. Two-way relationships between the snow cover or ice limit and 1000-500 mb thickness in the overlying atmosphere. *Quart. J. Roy. Met. Soc.*, 81: 172-89.
- Lefebvre, W. and 3 others. 2004, Influence of the Southern Annular Mode on the sea ice – ocean system. *J. Geophys. Res.*, 109, C09005, 1-12.
- LeTreut, H. and Ghil, M. 1985. Orbital forcing, climatic interactions and glaciation cycles. *J. Geophys. Res.*, 88: 5167-90.
- Manabe, S. and Broccoli, A.J. 1985. The influence of continental ice sheets on the climate of an Ice Age. *J. Geophys. Res.*, 90: 2167-90.
- Morassutti, M.P. 1991. Climate model sensitivity to sea ice albedo parameterization. *Theor. Appl. Clim.*, 44: 25-36.
- Mysak, L.A. and Venegas, S.A. 1998. Decadal climate oscillations in the Arctic: a new feedback loop for atmosphere-ice-ocean interactions. *Geophys. Res. Lett.*, 25(19): 3607-19.
- Ogura, T. and Abe-Ouchi, A. 2001. Influence of the Antarctic ice-sheet on southern high latitude climate during the Cenozoic: Albedo vs. topography effect. *Geophys. Res. Lett.*, 28(4): 587-90.
- Ottera, O.H. and Drange, H. 2004. A possible feedback mechanism involving the Arctic freshwater, the Arctic sea ice, and the North Atlantic Drift. *Adv. Atmos. Sci.*, 21(5): 784-801.
- The Polar Group 1980. Polar atmosphere-ice-ocean processes. A review of polar problems in climate research. *Rev. Geophys. Space Phys.*, 18: 525-543.
- Polar Research Board, Committee on Glaciology. 1985. *Glaciers, Ice Sheets and Sea Level: Effects of a CO<sub>2</sub>-Induced Climatic Change*. Nat. Acad. Press, Washington, D.C., 330 pp.
- Roe, G.H. and Lindzen, R.S. 2001. The mutual interaction between continental-scale ice sheets and atmospheric stationary waves. *J. Climate*, 14: 1450-65.
- Semtner, A.J. 1984. On modeling the seasonal thermodynamic cycle of sea ice in studies of climatic change. *Climatic Change*, 6: 27-32.
- Shinn, R.A. and E.J. Barron. 1989. Climate sensitivity to continental ice sheet size and configuration. *J. Climate*, 2: 1517-1537.

- van Krefeld, S. and 7 others. 2000. Potential links between surging ice sheets, circulation changes, and the Dansgaard-Oeschger cycles in the Irminger Sea, 60-18 kyr. *Paleoceanor.*, 15: 425-42.
- Walsh, J. E. and Johnson, C.M. 1979. Interannual atmospheric variability and associated fluctuations in Arctic sea ice extent, *J. Geophys. Res.*, 84, 6915-28.
- Walsh, J. E. and Sater, J.E. 1981. Monthly and seasonal variability in the ocean-ice-atmosphere systems of the North Pacific and the North Atlantic, *J. Geophys. Res.*, 86, 7425-46.
- Walsh, J.E. 1986. Diagnostic studies of large-scale air-sea ice interactions. In: N. Untersteiner (ed.), *The Geophysics of Sea Ice*, Plenum Press, New York: pp. 755-784.
- Walsh, J.E. 1987. Large-scale effects of seasonal snow cover, In: B.E. Goodison, et al. (eds.), *Large-scale effects of seasonal snow cover*. IAHS No. 166: pp. 314.