

5241: GLACIERS AND ICE SHEETS

- Abdalati, W. and Steffen, K. 1997. Snowmelt on the Greenland ice sheet as derived from passive microwave satellite data. *J. Clim.*, 10: 165-75.
- Alley, R.B. and Bindschadler, R.A.(eds) *The Western Antarctic Ice Sheet*, AGU, 296 pp
- Arendt, A.A. et al. 2002. Rapid wastage of Alaska glaciers and their contribution to rising sea level.. *Science* 297, 382-86.
- Bahr, D. B. 1997. Global distribution of glacier properties: A stochastic scaling paradigm. *Water Resour. Res.*, 343: 1669-79.
- Bahr, D.B. 1998. Width and length scaling of glaciers. *J. Glaciol.*, 43(145): 557-62.
- Benn, D.I. and Evans, D.J. A. 1997. *Glaciers and Glaciations*. Arnold/OUP, 744 pp.
- Benson, C.,S. 1961. Stratigraphic studies in the snow and firn of the Greenland Ice Sheet. *Folia Geogr. Danicq* 9 (*Physical Geography of Greenland*) 13-37.
- Bindschadler, R.A. 1998. Monitoring ice sheet behavior from space. *Rev. Geophys.*, 36: 79-104.
- Braithwaite, R.J. 2002. Glacier mass balance: the first 50 years of international Monitoring. *Progr. Phys. Geog.*, 26: 75-95.
- _____ et al. 1998. What is happening to the West Antarctic ice sheet. *EOS* 79(22): 257,264-6.
- Clarke, P.U. 1995. Fast flow over soft beds. *Science* 257: 43-44.
- Clarke, P.U., Alley, R.B. and Pollard, D. 2000. Northern Hemisphere ice-sheet influences on global climate change. *Science* 286(5442):1104-11.
- Dyurgerov, M.B. and Meier, M.F. 1997. Year-to-year fluctuations of global mass balance of small glaciers and their contribution to sea level changes. *Arct. Alp. Res.*, 29: 392-492.
- Dyurgerov, M.B. 2001. Mountain glaciers at the end of the twentieth century: Global analysis in relation to climate and water cycle. *Polar Geog.*, 25(4): 241-336.
- Fabre, A. et al. 1995. Greenland under changing climates; sensitivity experiments with a new three-dimensional ice sheet model. *Ann. Glaciol.*, 21: 1-7.
- Haerberli, W., Hoelzle, M. and Suter, S. (Eds.) 1998. *Into the second century of worldwide glacier monitoring: prospects and strategies A contribution to the International Hydrological Programme (IHP) and the Global Environment Monitoring System (GEMS)*. UNESCO - Studies and Reports in Hydrology, 56:227 pp.
- Hoelzle, M. et al. 2003. Secular glacier mass balances derived from cumulative glacier length changes. *Global Planet. Change* 36: 295-306.
- Hughes, T.J. 1998. *Ice Sheets*. Oxford Univ. Pre, 343 pp.
- Huybrechts, P. and de Wolde, J. 1999. The dynamic response of the Greenland and Antarctic ice sheets to multiple century warming. *J. Clim.*, 12(8, Pt1): 2169-88.
- Institute of Geography 2002, *Kolka Glacier: disaster again*. Data of Glaciological Studies, Publication 93, Institute of Geography, Russian Academy of Science, Glaciological Association, Moscow, pp. 223-28.
- Joughin, I. et al. 1999. Ice flow of Humboldt, Petermann and Ryder Gletscher, north Greenland. *J. Glaciol.*, 45: 23-141.
- Kapitsa, A.P. et al. 1996. A large deep freshwater lake beneath the ice of central Antarctica. *Nature* 381: 684-86

- Kaser, G. & Osmaston, H., 2002, *Tropical Glaciers*, 207 pp., Cambridge University Press
- Khromova, T.E., Dyurgerov, M. B. and Barry, R.G, 2003. Late-twentieth century changes in glacier extent in the Ak-shirak Range, central Asia, determined from historical and ASTER imagery. *Geophys. Res. Lett.* 30; doi.10.1029/2003GL017233
- Krabill, W. et al. 2000. Greenland ice sheet: hgh-elevation balance and peripheral thinning. *Science* 289(5478) 428-.
- Menzies, J. (ed) 1996. *Modern Glacier Environments: Processes, Dynamics and Sediments*. Butterworth/Heinemann, Oxford, 671 pp.
- Mote, T.L. 1998. Midtrophospheric circulation and surface melt on the Greenland ice sheet. *Int. J. Climatol.*,18: 111-29; 131-45.
- Ohmura, A. and Reeh, N. 1991. New precipitation and accumulation maps for Greenalnd. *J. Glaciol.*, 37(1235): 140-48.
- Oerlemans, J. and van der Veen, C.J. 1984. *Ice Sheets and Climate*. D. Reidel, 217 pp.
- Oerlemans, J. 2000. Holocene glacier fluctuatuions: is the current rate of retreat exceptional? *Annals Glaciol.*, 31L 39-44.
- Oerlemans, J. 2001. *Glaciers and Climate Change*, A Balkema, Lisse, NL. 148 pp.
- Ostrem, G. and Brugman, M. 1991. *Glacier Mass Balance Measurements. A Manual for Field and Office Work*. NHRI Science Rep. 4, Canada, 224 pp.
- Pfeffer, W,T, et al. 1991. Retention of Greenland runoff by refreezing: Implications. *J. Geophys. Res.*, 96(C12): 22,117-124.
- Reichert, B.K. et al. 2002. Recent glacier retreat exceeds internal variability. *J. Climate* 15(21): 3069-81.
- Vaughan, D.G. and Doake, C.S.M. 1996. Recent atmospheric warming and the retreat of the ice shelves on the Antarctic peninsula. *Nature* 379(6563): 328-30.
- Van der Veen, C.J. 1991. The state of balance of the cryosphere. *Rev. Geophys./.* 29: 433-55.
- Van der Veen, C.J. 1999. *Fundamenatls of Glacuer Dynamics*, A. Balkema, 462 --
- .Williams, R.S. and Ferrigno, J. (eds) 1988-2003. *Satellite Image Atlas of Glaciers of the World..* U.S. Geol. Surv. Prof. Paper 1386. A-K.
- Waddington, E.K. and Walder, J.S. (eds) 1987. *Thr Physical Basis of Ice Sheet Modelling*. IAHS Publ., 170: 384 pp.
- Zwally, H.J. and Brenner, A.C. 2001. Ice sheet dynamics and mass balance. In L.M. Fu and A. Cazenave (eds) *Satellite Altimetry and Earth Sciences*, Academic Press, pp. 351-69.