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Wintertime surface conditions in the Greenland Sea, with characteristic ice
flees and overcast skies. Deep waters formed in this region by convective
vertical mixing contain measurable concentrations of dissolved atmospher-
ic chlorofluoromethanes of anthropo-
genic origin. Recent increases in atmo-
spheric chlorofluoromethane mixing ratios provide valuable new tracers for
the study of ocean circulation and mixing
rates. See page 265. [John L. Bullis-
ter, Scripps Institution of Oceanogra-
phy, University of California, La Jolla
92093]