962-65-681   **Charles W Groetsch*** (`groetsch@uc.edu`), P.O. Box 210037, University of Cincinnati, Cincinnati, OH 45221-0037, and **Otmar Scherzer**, Institut fuer Mathematik, Universitaet Bayreuth, D95440 Bayreuth, Germany. *A nonstationary iterated Tikhonov-Morozov method.*

The convergence of a nonstationary iterated version of the Tikhonov-Morozov method for stable evaluation of unbounded linear operators is discussed. An a priori stability condition is established and an a posteriori parameter choice strategy is devised that does not suffer from the saturation limitation of the ordinary Tikhonov-Morozov method. (Received September 20, 2000)