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Alexander A. Katz (katza@stjohns.edu), St. John's University, Dep. of Math & CS, 300 Howard Ave., DaSilva Hall 335, Staten Island, NY 10301, and **Oleg Friedman*** (friedman001@yahoo.com), University of South Africa, Department of Mathematical Sciences, P.O. Box 392, 0003 Pretoria, South Africa. *One property of the set of bounded elements in unital barreled projective limits of real C^* - and JB-algebras.*

Let A be a unital barreled real locally C^* -algebra (a unital barreled locally JB-algebra), and let $b(A)$ be the collection of bounded elements of A . Then $A = b(A)$ if and only if A is a unital real C^* -algebra (a unital JB-algebra). As a corollary we obtain that if A is in addition a nuclear algebra, then $A = b(A)$ if and only if A is a finite-dimensional unital real C^* -algebra (a finite-dimensional unital JB-algebra). (Received August 08, 2005)