1025-46-73Ioana Ghenciu* (ioana.ghenciu@uwrf.edu), 1330 South Main St., Apt 3, River Falls, WI54022, and Paul Lewis. Almost Weakly Compact Operators.

Dunford - Pettis type properties are studied in individual Banach spaces as well as in spaces of operators. Bibasic sequences are used to characterize Banach spaces which fail to have the Dunford-Pettis property. The question of whether a space of operators has a Dunford-Pettis property when the dual of the domain and the codomain have the respective property is studied. The notion of an almost weakly compact operator plays a consistent and important role in this study. (Received January 13, 2007)