962-46-842 Hasan Al Halees* (hhalees@svsu.edu), Department of Mathematics, Saginaw Valley State University, 7400 Bay Road, University Center, MI 48710, and Richard J Fleming (Richard.Fleming@cmich.edu), Department of Mathematics, Central Michigan University, Mt. Pleasant, MI 48858. The Banach-Stone Theorem for Nice Operators. Preliminary report.

A bounded operator between Banach spaces is said to be *nice* if its conjugate maps extreme points of the dual ball to extreme points. Isometries are nice operators but the converse is not true in general. The classical Banach-Stone Theorem states that any isometry from $C_0(Q)$ onto $C_0(K)$, where Q, K are locally compact Hausdorff spaces, is a weighted composition operator. This theorem has been extended to the the vector-valued case by many authors. Here we show that any nice isomorphism from a Banach function module (Q, (X(s)), X) onto a Banach function module (K, (Y(t)), Y) is a weighted composition operator with operator weights if the centralizer of each Y(t) is trivial. This result is applied to the case of nice operators from $C_0(Q, X)$ onto $C_0(K, Y)$ where X and Y are Banach spaces and the centralizer of Y is trivial. (Received September 27, 2000)