1015-32-89 **Howard Jacobowitz*** (jacobowi@camden.rutgers.edu), Mathematical Sciences Department, Rutgers University, Camden, NJ 08102. *Complex-valued functions and involutive structure.* Preliminary report.

We will present and relate results such as

Theorem 1. A manifold of dimension n has involutive sub-bundles

$$V_0 \subset V_1 \subset \cdots \subset CTM$$

with

$$\text{rank}_C\ V_j = [\frac{n}{2}] + j.$$

Theorem 2 (with P. Landweber). M^{2n+k} has a generic immersion into C^{n+k} if and only if $CT^*M = A \oplus B$ where A is the trivial complex bundle of rank n and $B \cap \bar{B} = \{0\}$. (Received January 27, 2006)