1086-53-1353   **Michael Bailey*** (`bailey@cirget.ca`), CIRGET, Universite du Quebec a Montreal, PO Box 8888, Succursale centre-ville, Montreal, QC H3C 3P8, Canada. *Aspects of type change in generalized complex geometry.*

Generalized complex geometry is a generalization of both complex and symplectic geometry, which has applications in string theory and mirror symmetry. We will give a definition and some examples, and then present a local classification in terms of holomorphic Poisson structures. One interesting aspect of the theory is the phenomenon of type change, whereby the number of complex vs. symplectic dimensions may vary over a generalized complex manifold. We will present new results about this phenomenon; in particular, the complex locus admits a canonical complex analytic scheme structure. (Received September 21, 2012)