1129-03-363 **Michael Deveau*** (m2deveau@uwaterloo.ca). *High / Low Hierarchies and Jump Inversion for the Bounded Jump in the Bounded Turing Degrees.*

Given a set A, the *bounded jump* of A is defined as $A^b = \{x \mid (\exists i < x)[\varphi_i(x) \downarrow \wedge \Phi_x^{A\upharpoonright\varphi_i(x)}(x) \downarrow]\}$. Introduced by Anderson and Csima in 2014, this operator acts in many ways as an analogue to the standard jump operator when working with bounded Turing reductions (also known as weak truth table reductions). In this talk, we present some results about the high and low hierarchies of this operator and how they relate to the standard high and low hierarchies. We also discuss jump inversion in the bounded Turing degrees. (Received March 20, 2017)