1067-I1-1406   **Marc Chamberland*** (`chamberl@math.grinnell.edu`), 1116 8th Ave., Department of Mathematics and Statistics, Grinnell, IA 50112. *Habits of Creative Mathematicians.* Preliminary report.

While mathematicians consider their work as creative as any other discipline, articulating what comprises their creative process is rarely examined. In this talk, we look at aspects of creativity which have served mathematicians of many generations. This includes the changing face of collaboration, depth versus breadth, the various roles of the computer (number cruncher, pattern finder, etc), the value of independent investigation, the benefits of rest (both physical and mental), and the psychological underpinnings of our desire to be creative. Examples will be drawn from both pure and applied mathematics. (Received September 20, 2010)