1056-05-1494   **Carolyn B. Chun*** (`Carolyn.Chun@msor.vuw.ac.nz`), School of MSOR, PO Box 600, Wellington, 6140, New Zealand, and **Dillon Mayhew**, **Stefan van Zwam** and **Geoff Whittle**. *Fragility in Matroids.* Preliminary report.

For a matroid M with a minor N, we say that M is N-fragile if, for every element e in the ground set of M, either M/e or $M\backslash e$ does not contain N as a minor. Understanding the structure of N-fragile matroids is necessary for thinking about Rota's conjecture. In this talk, we present a characterization of the binary, Fano-fragile matroids. (Received September 22, 2009)