

1163-13-671 **Janet C Vassilev*** (jvassil@math.unm.edu), Department of Mathematics and Statistics,
Albuquerque, NM 87131. *Generalized Stanley-Reisner rings*. Preliminary report.

We will introduce the notion of a generalized Stanley-Reisner ring. In work with Berkesch, Chan, Klein, Matusевич and Page, we determine the ring of differential operators of certain generalized Stanley-Reisner rings. We will touch on this work as well as describing the test ideal of these rings. (Received September 11, 2020)