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**Carmen Caprau\***, Department of Mathematics, 5245 N. Backer Avenue M/S PB 108, Fresno, CA 93740, and **Sarah McGahan**. *On the virtual singular braid monoid*. Preliminary report.

We study the algebraic structures of the virtual singular braid monoid,  $VSB_n$ , and the virtual singular pure braid monoid,  $VSP_n$ . The monoid  $VSB_n$  is the splittable extension of  $VSP_n$  by the symmetric group  $S_n$ . We also construct a representation of  $VSB_n$ . (Received September 26, 2017)