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Milagros Izquierdo* (milagros.izquierdo@liu.se), Department of Mathematics, Linköping University, 58183 Linköping, Sweden, and **Sebastián Reyes-Carocca**. *On Large Groups of Automorphisms of Riemann Surfaces*.

Belolipetsky and Jones classified those compact Riemann surfaces of genus g admitting a large group of automorphisms of order $k(g-1)$, for each $k > 6$, under the assumption that $g-1$ is a prime number. Here we study the remaining large cases: we classify Riemann surfaces admitting $5(g-1)$ and $6(g-1)$ automorphisms, with $g-1$ a prime number. As a consequence, we obtain that any Riemann surface of genus g , $g-1$ a prime, admitting $3(g-1)$ automorphisms has $6(g-1)$ automorphisms. (Received December 19, 2019)