1125-17-2762 **J Hennig*** (`jhennig1@ualberta.ca`). *Real forms of finitary Lie algebras.* Preliminary report. We classify the real forms of the complex, simple finitary Lie algebras $\mathfrak{sl}(\infty)$, $\mathfrak{sp}(\infty)$, and $\mathfrak{so}(\infty)$ using methods from nonabelian Galois cohomology. (Received September 20, 2016)