1078-12-151 **Jan Minac*** (`jminac1811@gmail.com`), The University of Western Ontario, Department of Mathematics, Middlesex College, London, Ontario N6A 5B7, Canada, and **Sunil K. Chebolu** and **Ido Efrat**. *"Toy Galois groups and their invariants".*

When a child plays with his toys, he/she enjoys their resemblance to the real thing, yet this same child enjoys the fact that these toys are manageable. There are indeed such toy Galois groups whose invariants however, are real and meaningful. They can detect some interesting valuations on fields, Witt rings of quadratic forms and Galois cohomology.

I will discuss these Galois groups and possible games one may play with them.

This is joint work with Sunil Chebolu and Ido Efrat. (Received December 04, 2011)