## The Trivial Notions Seminar Proudly Announces

## Nilpotent Groups and Their Lie Algebras

## A talk by Aaron Silberstein

## Abstract

We will describe how a certain class of discrete groups have a "logarithm" which gives them as the exponential of a functorially defined Lie algebra.

We will then use this to describe how we can deal with these groups purely linear-algebraically, and give some applications.

> Thursday April 14<sup>th</sup>, at 2:00 pm Science Center 507