

“I was known as the chief graverobber of my state.”

— Dan Quayle, Vice President under George H.W. Bush.

## The Trivial Notions Seminar Proudly Announces

When can we expect  $K(G,1)$  to be finite  
dimensional?

A talk by  
Thomas Koberda

### **Abstract**

An obvious obstruction to finding a finite-dimensional  $K(G,1)$  is the cohomological dimension of  $G$ . On the other hand if  $G$  is finitely generated with finitely generated cohomology groups and has finite cohomological dimension, it is not clear that a finite dimensional  $K(G,1)$  should exist. I will talk about a general construction due to C.T.C. Wall about obstructions for a CW complex which is cohomologically finite in all possible ways to actually being homotopy equivalent to a finite CW complex.

Friday, October 9<sup>th</sup> at 1:07 pm  
LISE 303