

# COLLOQUIUM

DEPARTMENT OF MATHEMATICS AND STATISTICS  
OAKLAND UNIVERSITY  
ROCHESTER, MICHIGAN 48309

**Peter Hilton**

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**State University of New York, Binghamton, New York  
and**

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## Paradoxes in Traditional Thinking

### **Abstract**

We show how a careless use of words and definitions leads to serious errors in interpreting data and drawing consequences. We also study the paradox that, in applying mathematics to real world problems, we need to construct and reason within a mathematical model which is something quite different from the real world.

## Breaking High-Grade German Ciphers in W.W.II

### **Abstract**

In this talk the speaker reminisces about his days at Bletchley Park, and about some of the very interesting people he got to know there, including Alan Turing and Henry Whitehead.

**372 Science and Engineering Building**

**Thursday, March 19th, 2002**

**2:00 to 4:15 P.M.**

**(Intermission and Refreshment at 3:00 to 3:15 P.M. in Room 368 SEB)**