

Daniel D. McCracken
Computational Sciences
Seminar Series

Wednesday 3:00 p.m., May 28, 2003
Black Hall, Room 150

Dr Stephen Glasby

Department of Mathematics, CWU

**PRIMES: where the
factorization buck stops**

Abstract: Factoring integers as a product of primes is an extremely important problem in mathematics and computer science. Part of this problem involves proving or disproving that a given number is prime. Prior to August 2002 there were no *guaranteed-fast* (or deterministic polynomial-time) algorithms for *proving or disproving primality*. In August 2002 two BSc students and their supervisor at IITK (Kanpur, India) shocked the world by presenting a beautifully simple guaranteed-fast algorithm for proving or disproving primality. This talk presents to non-experts the significance of this work.

For more info. please contact: Drs Glasby 963 2123, or Kovalerchuk 963 1438