



A Whitman's Sampler of Demonstrations!

Presented by Dr. Bryce Hand

For our October meeting we have invited Dr. Bryce Hand, Emeritus Professor of Geology at Syracuse University, to present to us a "Whitman's sampler of demonstrations." Dr. Hand offers the following description of the talk that he will be presenting:

"In a world increasingly dominated by computer simulations, I've always retained a particular fondness for substance. Computer graphics can be made to show anything (water running uphill; smashed wine glasses spontaneously reassembling themselves), but demonstrations using real materials never lie: Water does what water does – and everyone knows it!"

"It's the quality of the demos that makes them so persuasive, and a reason I laced my lectures with them through 35 years of teaching. Moreover, I found demos effective at all levels, from GOL 101 to 784 (Hydrodynamics of Sediment Transport)."

"Some of my demos are adaptations of things you've seen before, but most are originals. And while all are meant to be entertaining, their real purpose is instruction. If a picture is worth 10,000 words, I think a good demo is worth 100,000!"

"I'll use a 5-foot length of pipe, a couple of steel angles, and an overhead projector to demonstrate S-waves and P-waves; sieves to produce diffraction patterns; ring magnets to show how crystals form; birdseed, magnets, and rubber bands to demonstrate ductile deformation of solids; and much, much more."

I invite you to regress, light-heartedly, to your college days ...and (who knows?) maybe even learn something new!"

Dr. Hand is a sedimentologist with particular interests in transport processes and the dynamics of sedimentary bedforms. Having always regarded teaching as the most important part of his professional career, he prizes two awards received from SU for outstanding teaching. Dr. Hand has a master's degree in marine geology from the University of Southern California, and a Ph.D. from Penn State.

Meeting logistics: The meeting will take place on Thursday, October 20 at the Nifkin Lounge on the ESF campus (see attached map). A social hour will be held from 5:30 p.m. to 6:30 p.m. and will be followed by dinner starting at 6:30 p.m. The main presentation by Dr. Hand will begin at 7:30 p.m.

The cost of dinner is \$20 for members, \$22 for non-members and \$10 for student members. People may also attend the presentation only for a nominal fee of \$3. CNYAPG would like to thank Groundwater & Environmental Services (GES) for their generous donation which will be used to offset the October meeting costs for all students who attend (normal fee is \$15).

Please RSVP by Monday, October 17 to Bonnie at Parratt-Wolff via e-mail at bolney@pwinc.com or 437-1429.