

Abstract Submitted
for the NEF15 Meeting of
The American Physical Society

Simple Siphons - The C-Elegans of Fluid Mechanics? WILLIAM JUMPER, Lowell High School, Lowell MA, SIMTHYREARCH DY, University of Massachusetts Lowell — We discuss and compare results from our recent article Explaining the Simple Water Siphon and our most recent experimental work on the siphoning of a simple gas, CO₂. Furthermore, we elaborate on the experimental and theoretical virtues of the gravity fed reentrant siphon, and its prospects for affording one of the simplest possible platforms for the study of one of the most vexing problems in fluid mechanics, and in nature in general, the forms and emergence of chaos.

William Jumper
Lowell High School, Lowell MA

Date submitted: 03 Nov 2015

Electronic form version 1.4