

Oberlin College Physics 212, Fall 2021 semester

## Assignment 12: The Last Assignment

Wednesday, 5 January 2022

*Reading:* Look over the *Notes on Nuclear and Elementary Particle Physics* available at the course web site.

*Thought for the end of the course:* “We should take comfort in two conjoined features of nature: first, that our world is incredibly strange and therefore supremely fascinating. . . second, that however bizarre and arcane our world might be, nature remains comprehensible to the human mind.”

— Stephen Jay Gould (*Dinosaur in a Haystack*, page 386)

*Just one problem:* Due Wednesday, 12 January 2022.

Think back over the topics we have treated in this course: special relativity, classical waves, quantum mechanics, nuclear physics. Some were abstract, some were concrete, all were “supremely fascinating”. Write down the questions in your mind regarding any of these topics. Keep a copy of your list: Perhaps you will answer some of these through future study; while others might suggest future research directions for you.