Physics 002B In Search of Quantum Reality 1st-Year Seminar
Assignment #5 Tuesday September 29, 2009

Seminar Topic: Postulates and Details

Seminar Break: _____
Readings: Boccio ---- 06_Postulates(URL in email)
07_Quantum Details(URL in email)
Herbert --- Chapter 06 Meet the Champ
Chapter 07 Describing the Indescribable
Scarani --- Chapter 06 Indistinguishability
Rosenblum - Chapter 07 Schrodinger equation
Seminar will consist of:
(1) Presentations by students
(2) Mini-Lectures by instructor to help with understanding of more difficult ideas as they arise during the seminar

Each student should become an **expert** in their own part of the readings so that their presentation(10 minutes using a Document camera) can be both **informative and interesting. Everyone** should do **ALL** the readings so everyone can **assume** that other seminar participants have at least read the material they will be presenting, even though they may not have fully understood it and/or put it into a general context. The **goal** of each seminar is that everyone **fully understand** all then readings for each week, including all of the **implications and ramifications.**

Presentations:
Boccio
06_Postulates _____ & _____
07_Quantum Details
Pages 01-11 Probability and Evolution _____ & _____
and _Professor_
Pages 11-15 States and Operators _____ & _____
and _Professor_
Pages 15-21 Back to 2-Path Experiment _____ & _____
and _Professor_
Herbert --- Chapter 06 _____
Chapter 07 _____
Scarani --- Chapter 06 _____
Rosenblum - Chapter 07 _____