Physics 002B In Search of Quantum Reality 1st-Year Seminar
Assignment #12 Tuesday November 24, 2009

Seminar Topic: Interpretations

Seminar Break: _____
Readings: Boccio ---- 19_Interpretations(URL in email)
20_Other_Thoughts(URL in email)
Herbert --- Chapter 13 The Future of Quantum Reality
Rosenblum - Chapter 14 Interpreting the Quantum Enigma
Chapter 15 The Mystery of Consciousness
Scarani --- Chapter 09 Attempts at Explanation
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
19_Interpretations
Pages 01-12 Interpretations and Problems _____&_Professor_
Pages 12-25 Copenhagen Interpretation _____
Pages 25-28 Potentia _____
Pages 29-36 von Neumann and the Mind _____
Pages 37-47 Many Worlds Begins _____ & _____
&_Professor_
Pages 47-57 Many World Matures _____ & _____
&_Professor_
Pages 57-64 Criticisms and Conclusions _____
Herbert --- Chapter 13 _____
Rosenblum - Chapter 15 _____
Scarani --- Chapter 09 _____