

Abstract Submitted  
for the MAR07 Meeting of  
The American Physical Society

**Forty lost years of Coherent States** KAVAN MODI, Univ. of Texas at Austin — In search to satisfy the correspondence principle Schrödinger in 1926 introduced the minimum uncertainty state. Almost forty years later in 1963 Glauber put these states to use in what now know as quantum theory of optics. He also gave them the name we know them by, coherent states. And soon after Sudarshan completed Glauber's unfinished work in achieving the theory of quantum optics. Crucial mathematical work was done in these forty years to able Glauber to consider these states. I will discuss why Glauber was attracted to these states. I will talk about what it was that Schrödinger was after, and why they were forgotten for almost forty years.

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Date submitted: 20 Nov 2006

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