

# Seven Nobel Laureates on Science and Spirituality

Dr T. D. Singh, Editor

"The publications of the Institute such as 'Seven Nobel Laureates on Science and Spirituality' have made a **remarkable impact** on the minds of the students of modern science and have filled a long felt need to **provide the bridge between science and spirituality.**"

Prof. P. B. Sharma, Principal, Delhi College of Engineering, & Founder Vice-Chancellor, Rajiv Gandhi Technical University, Bhopal

7 Nobel Laureates together in one publication, bringing **new lights** to Science and Spirituality!

These seven great contemporary thinkers explore important **areas of human concern** such as,

- the role of Science and Religion in the search for the **Origin of Life**,
- the study of the **nature of Consciousness**,
- understanding the **purpose behind the Universe**,
- the **role of Faith and Ethical Challenges**.

## Contents:

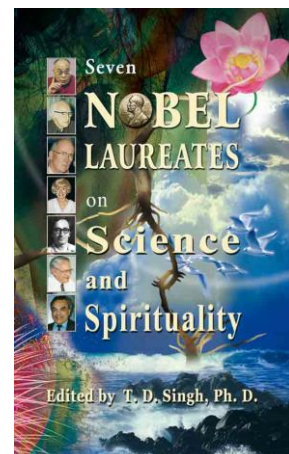
Dr T. D. Singh – **Introduction**

1. His Holiness **The Dalai Lama**, Nobel Laureate in **Peace** – **The need for a synthesis**
2. Prof. **George Wald**, Nobel Laureate in **Physiology and Medicine** – **The cosmology of life and mind**
3. Prof. **Charles Townes**, Nobel Laureate in **Physics**, and Dr T. D. Singh – **Science, values and beyond**
4. Mrs. **Betty Williams**, Nobel Laureate in **Peace** – **Science and religion for peace and the human family**
5. Prof. **B. D. Josephson**, Nobel Laureate in **Physics** – **Science and religion: how to make the synthesis?**
6. Prof. **Richard R. Ernst**, Nobel Laureate in **Chemistry** – **Science in the third millennium: expectations between hope and fear**
7. Prof. **Werner Arber**, Nobel Laureate in **Physiology and Medicine**, and Dr T. D. Singh – **Life & its origin**

*These dialogues and essays were earlier published under different titles by the Bhaktivedanta Institute.*

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**Readership:**  
Science & Technology Students,  
Graduates engaged in research,  
Teachers, Faculty members,  
Teach yourself Science readers,  
Spiritual seekers, Peace seekers

**Quality content! Boost your creativity**, and delineate **new horizons for your personal research!**  
The following quotes and questions will give you a sample of the **knowledge** you will acquire.

Why and how has **faith** always been **present and important** in **science and technology**?

Examining the atom... What is the demonstration of Prof. George Wald that allows him to conclude: "That is the only reason why anything in this universe stays put, that our universe has **solid structures**; and that the small and large molecules that constitute living organisms maintain **definite shapes** and **fit together** as they do."

"By far the most important molecule to living organisms is water. **No water, no life, anywhere in the universe.** I think that water is also the strangest molecule in the whole of chemistry, and its strangest property is that ice floats. **If ice did not float I doubt that life would exist in the universe.**" How did Prof. Wald prove it?

"I had the joy of knowing Wilder Penfield, the great Canadian brain surgeon. ... For some years **Penfield had hoped to find a center of consciousness in the brain.**" What enabled Prof. Penfield to later abandon this proposal and write that "**mind and brain are two semi-independent elements**"?

"Some of my scientist friends have on occasion defined **religion** as dealing with those things which **you can't prove. I don't agree.**" **Why** does Townes think like this?

"If we assume God does exist, then **why hasn't He appeared in scientific experiments?**" What are Prof. Josephson's explanations on this point?

"Perhaps we should be taking God into account in science. **What would a science look like which had God in there** playing a part, accounting thereby for **particular phenomena?**" Read Josephson's lucid and brilliant developments!

"Using meditation as an **observational tool.** ... Using **our own nervous systems as instruments** to observe the domains in which God works." Read more!

"I am convinced that the **Indian science community** has a very **essential role to play.** India is in a unique position in many respects." What are these, for Prof. Ernst?

"I work with microorganisms, mainly bacteria. ... The existence of a **spiritual soul**, with which organisms does that **start?**" Could you discuss this with Prof. Arber?

"For me, this is a very good way for a strain of bacteria to **acquire novel genetic information** which is available elsewhere."

What is the explanation from Prof. Arber, DNA specialist?

Can you explain the mechanism of how the bacterial cell can have a **built-in system** to provide **restriction as well as protection** simultaneously?  
And what is the important philosophical implication?

"**Mutation is not a mistake or an error in replication; it is a natural process.**" Why does evolution not occur on the basis of errors or accidents...?