

## **Four lectures to be given by Prof. C.N. Yang on the San Diego Campus for the Physics Department**

**December 4, 1961**

One of the world's leading physicists, Prof. C. N. Yang of the Institute for Advanced Studies, Princeton, will visit the University of California, San Diego next week and will give four lectures for the Physics Department of the School of Science and Engineering.

In 1957, Prof. Yang shared with Prof. T. D. Lee the Nobel Prize in Physics for their work on the non-conservation of parity. On the basis of existing experimental information, the two Chinese-born physicists showed that the commonly accepted notion about parity could not be universally proved and suggested experiments which could most effectively test the parity-conservation hypothesis. The experiments were immediately performed. They showed that in some phenomena (weak interactions) parity was not conserved. That is to say that, in some instances, nature allows elementary particles to behave as if they were a right-handed screw, while a similar instance producing a left-handed screw is not possible. This terrific blow to one of the most fundamental notions held by the theorists for man decades opened the way to a wealth of fruitful studies and understanding of the elementary particles.

Prof. Yang will lecture on the following subjects:

Tuesday, December 12, "Theoretical Considerations on Neutrino Experiments" Wednesday, December 13, "Intermediate Boson Theory of Weak Interactions" Thursday, December 14, "Independent Cross Sections at Infinite Energies by Pomeranchuk's Theorem" Friday, December 15., "Quantized Magnetic Flux in Superconductors"

All the lectures will be given at 4:00 p.m. in Sumner Auditorium at the University of California, San Diego, except that on Wednesday, which will be given at 2:00 p.m. They are open to all interested members of the scientific community.