CHEN WEI-YEN' S BREAKTHROUGH IN RESEARCH:

Recently, Professor Chen Wei-yen (Dept. of Physics), specializing in the theory of superconductor, achieves an unprecedented breakthrough in the field of physics in the past forty years with two research theories: "the topographical measures under contingent positional energy" and "the sequential and non-sequential measures and apex effects of second type of superconductor." Chen said, "My dedication to this research field is the source of my greatest joy."

Wu Maw-kuen, the incumbent chair of National Science Council, also a well-known scholar in superconductor, is Chen Wei- yen's student. As Chen indicated, "The research project of 'the topographical measures under contingent positional energy' was published in the European science journal - ELSEVIER last year. Physicists have started researching this field since 1968: N. D. Mermin verified the non-existence of long-term sequence in a two-dimensional system, while J. M. Kosterlitz and D. J. Thouless sustained the concept of long-term sequence. Chen pointed out that his research incorporates the concept of "contingent positional energy," a move no one bold enough to take, and succeeds in mapping out its effect on topographical measures.

As to the second research project, Chen Wei-yen said that some related experiments had been done in 1960s, but no theory is able to offer any explanations till today. He indicated that after ten years' continuous calculation, a theory conforming to the results of experiment is finally established on the based quantum model, which was published in the British science journal Superconductor Science and Technology (SUST).
Professor Chen Wei-yen, always enjoying himself in the world of physics, said bashfully, "Sometimes being completely preoccupied with finding solutions to problems, I fail to respond to accosts addressed to me." (~

Han-yu Huang)