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CFP (Cold Fusion Phenomenon) *stands for*

“nuclear reactions and accompanying events occurring in open (with external particle and energy supply), non-equilibrium system composed of solids with high densities of hydrogen isotopes (H and/or D) in ambient radiation” belonging to Solid-State Nuclear Physics (SSNP) or Condensed Matter Nuclear Science (CMNS).

This is the *CFRL News* (in English) No. 85 for Cold Fusion researchers published by Dr. H. Kozima, now at the Cold Fusion Research Laboratory, Shizuoka, Japan.

This issue contains the following items:

1. Four papers have been published in the *Reports of Cold Fusion Research Laboratory*
2. On the Dignity of the Scientist (2)

1. Four papers have been published in the *Reports of Cold Fusion Research Laboratory*

The following four papers from our laboratory were published and posted at **CFRL** website:

<http://www.geocities.jp/hjrfq930/Papers/paperr/>

- (1) H. Kozima and K. Kaki, "Atomic Nucleus and Neutron — Nuclear Physics Revisited with the Viewpoint of the Cold Fusion Phenomenon," *Reports of CFRL (Cold Fusion Research Laboratory)* 14-1, 1 – 31 (March, 2014)
- (2) H. Kozima, "Nuclear Transmutation in Actinoid Hydrides and Deuterides," *CFRL (Cold Fusion Research Laboratory)* 14-2, 1 – 18 (March, 2014)
- (3) H. Kozima, "Nuclear Transmutations (NTs) in Cold Fusion Phenomenon (CFP) and Nuclear Physics," *CFRL (Cold Fusion Research Laboratory)* 14-3, 1 – 35 (March, 2014)
- (4) H. Kozima, "The Cold Fusion Phenomenon – What is It?" *CFRL (Cold Fusion Research Laboratory)* 14-4, 1 – 26 (March, 2014)

2. On the Dignity of the Scientist (2)

In the previous issue (CFRL News No. 84), we have discussed the dignity of the scientist. In my opinion, "Science is a human activity to explore the truth in this world, as we understand it to be. - - - However, the essence of the science could not change in any social circumstance. The value of science, arts, and philosophy as spiritual activities of human beings is the eternal heritage of mankind."

The time has passed and the social situation of the science has changed very much and we hear many scandals in scientific activities on the newspapers almost everyday. However, the news on the paper on the STEP cells published in the *Nature*¹⁾ was shocking for me because it was the work done in Riken, one of the most prestigious research institute.

It is difficult to express my feeling in English and here are only materials to know the problem at present. In the news conference in Tokyo, Riken published its interim report²⁾ on its internal investigation where they concluded that there was "inappropriate handling" of data in the paper.

After the controversy exploded, H. Obokata, the first author of the paper, who did not appear in open place for two weeks, sent a mail to *Wall Street Journal* where the mail was printed with comments by the writers Alexander Martin and Toko Sekiguchi³⁾.

It is difficult to understand the truth of the controversy at present for a layman in the cell biology. But we remember the proverb "Better learn

from your neighbor's skait than by your own.”

References

- 1) H. Obokata, T. Wakayama, Y. Sasai, K. Kojima, M.P. Vacanti, H. Niwa, M. Yamato & C.A. Vacanti, “Stimulus-triggered fate conversion of somatic cells into pluripotency,” *Nature* 505, 641–647 (30 January 2014) doi:10.1038/nature12968 (2014)
- 2) Riken's interim report on the papers:
www.riken.jp/~media/riken/pr/topics/2014/20130314_1/document-4.pdf
- 3) *Wall Street Journal* March 14, 2014 “Head of Japan's Riken Institute Apologizes Over Stem-Cell Papers - Disputed Papers Contained 'Serious Errors,“ By Alexander Martin and Toko Sekiguchi.
<http://online.wsj.com/article/SB1000142405270230491490457943...>