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Methodology of Productive Technology Education (3)
— Variation of “Skill-study” Execution —

Kazuo MORI

Productive technology changes more rapidly than we had expected. The purpose of this study is to establish a training method corresponding to the change in productive technology. The final target of this study is to develop a training method applicable to OJT and Off-JT. In addition, this training method could be introduced to all the training levels concerning productive technology.

There was an uncertain part in the “skill-study”. Therefore, some problems were found in the applications. In this paper, we examine the execution means and the planning method of “skill-study” and clarify the basic concept of methodology. We collected and analyzed videos and voice records of the class, instruction sheets, and teaching materials. The following two points were clarified in this analysis.

- (1) The method of researching the teaching materials for “skill-study”.
- (2) Variations of each instruction mode used in “skill-study” and their characteristics.

The summary of the result is shown below. The teaching material research was made in various styles. Those styles were classified into five categories as shown below. They were the study of textbooks and documents, the study of experiments, the study of field work,

investigation study, the work study, and case study. We defined the practice as follows. "It is a method in which the instructor intentionally makes the learners execute the specific process concerning production to experience the process including the execution procedure and production." With this definition, it is clear that media is inserted between the work object and the learner in each mode adopted in "skill-study". In the practice the work object and the learner come in direct contact. In the "skill-study", on the other hand, some intentional intervention (operation) is put between them to enhance the result of training. There are four ways to intervene between the events and the work objects. They are by extraction, limitation, or condition setting, modeling, and changing into teaching materials. This intends to "convert actual production to educational style". In short, "skill-study" has a conversion function to convert production to education.

A Consideration regarding ME Training on the Ability Redevelopment Training

Yuhji TANIGUCHI, Masahisa SAKAMOTO

When we change a point of view to the adaptability of each individual trainee against ME (microelectronics) innovation, we can make clear that the Ability Redevelopment Training has a characteristic situation. Because the purpose of the Ability Redevelopment Training is vocation conversion, trainees can't use their previous experiences. Besides, they are usually adult workers whose career experiences have been developed in a field other than ME technology. Accordingly we investigated the present situation of ME training on the Ability Redevelopment Training, and we could conclude that ME training is pretty important for adult trainees of the Ability Redevelopment Training.

Therefore, we want to put forth an idea to make the training better and more effective. It is that ME training should function as an approach to cultivate their computer literacy, which is ability of self-reliance in coping with the continually accelerating ME innovation. The introduction of the concept of computer literacy will make ME training a more important position of adult training, namely the Ability Redevelopment Training, as a role of the public vocational training in the lifetime learning society.

Participating in the Project of Vocational Training Pervading in Zambia.

Ikuo KITAGAKI

The Project of Vocational Training Pervading in Zambia has been executed for several years thus far and the author participated in this project for about forty days as one of the members. During the period, we administrated the relevant audio-visual seminar where the trainers of, so to speak, Trade Training Institute (TTI) and several librarians have gathered and we helped them make some teaching materials. This note describes the content of the seminar, discusses, the way of donating materials from a developed country to a developing country, and so forth.

Prospective View over Education
and Training on Information Science
by ACM Curriculum '78 and '88

Tokio OHKAWA

Curriculum '78 and '88 which have issued by ACM have been surveyed by members of Information Processing Society of Japan from 1989 until 1991 on financial support of the ministry of science and education of Japan. Here, short review is presented after an interior report of the society.

These core curriculums are considered as a standered consturction for individual training method used in every special school and training facilities for information processing course and information science course. Ditailed items of the curriculum contents are summarised in a matrix form.

Survey of Literature on Vocational Training (1)
—From the Point of View on the Worker Side after World War II—

Akiyoshi MURAKAMI, Kazutosi TANAKA

It is a subject with extremely important to collect and arrange the literature concerning vocational training in order to search what should be of vocational training in the future.

The difficulty in this study is that books concerning vocational training are not published except few individual theses which lie scattered. When collecting the literature of vocational training is tried, this is forecast that the difficulty is extremely caused.

However, we began working by thinking that it is crucial to arrange the literature put out up to now today when the background which surrounds vocational training have become extremely complex.

Professor Teruo Sasaki raises the historical analysis of the worker education system as a study frame of the worker education first. Secondly, it is raises to analyze and examine the educational demand of the worker self and the development of the education movement. Thirdly, Sasaki arranges the subject to the analyses of the relation between the institutionalization of the worker education and the movement concerning the educational demand of the labor union.

The literature study in this text is an arrangement to make clear the flow above-mentioned second secondarily roughly.