

##C442109 : MAJOR AUDIO-VISUAL EDUCATION  
KEY WORD: UTILIZATION OF INSTRUCTIONAL MEDIA/DISTINGUISHED SCIENCE TEACHERS/  
SECONDARY

NIRAMON SANGSRI : A STUDY OF THE UTILIZATION OF INSTRUCTIONAL MEDIA OF  
DISTINGUISHED SCIENCE TEACHERS AT THE SECONDARY EDUCATION LEVEL.

THESIS ADVISOR : CHAWALERT LERTCHALOLARN, Ph.D. 147 PP.

ISBN 974-582-273-6

The purpose of this research was to study the utilization of science teachers at the Secondary Education level. The subjects were 15 recipients of Distinguished Science Teacher Awards, during 1982-1992, from the Science Society of Thailand under the Royal Patronage.

The findings were as follows:

1. The media were selected with congruent to the lesson context, availability and low cost. The subjects mostly used the teaching media available in schools that provide facts. They also considered sizes and colours of media and learning ability of students.
2. The media were prepared in advanced. They read academic journal regularly. They also provided supplementary reading for students at the division academic center. They explained steps of using media to the students in advanced and encouraged students to participate in instructional activities.
3. The popular media were real objects, video programs, and teachers arranged extra-curriculum activities for students so that students could apply the knowledge to their daily life. They frequently held science project activities that allow students to participate according to their own interests. The teacher used laboratory in every class, and let students participate in utilization and storage of teaching media.
4. The media were evaluated by students' learning achievement and the quality of media by means of students' responses.