

CONFIDENTIAL SECRET
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WIB
THE "JUKEBOX" TECHNIQUE IN SPECIALIZED TRAINING

1. Equipment

This consists of a single unit comparable in size and general appearance to a 17 inch TV set. A tape recording is used in conjunction with a maximum of 14 color slides which are synchronized with the narration and automatically projected on a glass screen. Progress of the presentation may be arrested at any point permitting the instructor to reply to student questions. Present limitations of the equipment suggest its use with a group of six to eight individuals rather than in the classroom before a large student body.*

2. Training Potential

Experimentation and experience in the use of this device during the past year has demonstrated that the technique has a great potential for training purposes. It should not compete with the formal lecture but may be advantageously employed as a reference aid or demonstrated during student seminars to restate or summarize the essentials of a lecture previously delivered. This technique is readily adaptable to any field of specialized training. It could be applied, not only to basic indoctrination in Intelligence organization, principles and methods as in BIC (I), but also to related skills involving field work and manual training such as the assembly of components and the use and care of equipment. In this connection it has been suggested this means of instruction would be of value in training activities which encounter language barriers. The device is compact and fully portable.

3. Production Problems

A number of production problems concerned with maximum effectiveness of presentation have been resolved. The objective has been to break down a given subject into its basic components and to develop each separately as a unit which can stand by itself or be integrated as part of a series. The guiding principle has been to achieve a short, simple, concise, informative and accurate presentation of the theme and to supplement the narrative with effective graphics. Much has been learned in this respect through trial and error. For example:

- Each recording should not exceed 10-12 minutes duration. Beyond this period questions arising for later clarification may be lost in the viewer's mind; eye interest wanes and a hypnotic effect becomes evident.

* Redesign of Equipment. The machine in current use is only a prototype-- not a production model. Suggestions for improvement are listed in para. 4

- The ideal text time-sequence calls for 75-100 words between slide changes. The subject in hand may not always permit this. However, bearing in mind the overall time limit of 10-12 minutes, the script writer must decide when to sacrifice a slide to the text or the text to a slide in order to maintain a flow which is smooth and coherent.
- The narration must be carefully edited to gain sharp, concise and authoritative statements. The choice of words is most important. If there are five words available to describe an object--there is one which is preferable.
- Graphics must be of simple design in not more than two or three colors. Lettering should be held to a minimum and be of adequate size.

4. Equipment Design Improvements

Work with this equipment has suggested a number of changes in the design of future models which would give it greater flexibility in use and facilitate repair and maintenance.

- Replacement of the existing fixed lens with one permitting projection of the image upon a larger screen.
- Provision of an opening at the side of the cabinet to permit easy removal of the glass screen. This would give quick access to the lens and reflecting mirror. This is now a lengthy operation requiring the removal of a large part of the mechanism.
- An improved slide holder that would lock slides in place. At present, slides may be dislodged and thrown out of alignment by handling in placing or removing the holder.

One serious difficulty has already been overcome through the ingenuity of the Photographic Aids Section of the Instructional Services Staff. Slide changes should be actuated, according to the manufacturer, by marking the recording tape with a small stripe of silver paint. In practice this was found to be unsatisfactory as the paint quickly wore off with use. The simple remedy which has been devised consists of substituting for the silver paint a small piece of silver paper (from a package of cigarettes). This proves to be entirely reliable.

5. Current Program for the Intelligence Training School

The following subjects have been completed* or are in process of development:

- * 1. Flow of Intelligence
(an introduction to the Intelligence Cycle)

- * 2. Dissemination of Intelligence
(general principles and CIA practice)
- * 3. CIA Facilities for Dissemination
(processing incoming documents--the Intellofax System)
- 4. Collection: Sources and Methods
- 5. Gaps in Intelligence
 - Part I (The Economic Intelligence Committee--organization and mission)
 - Part II (The Analyst's role in preparing Special Collection Requirements)
 - Part III (The OO and FI Notice of Intelligence Potential)
- 6. Preparation of a National Intelligence Estimate
- * 7. Economic Intelligence and the Selection of Strategic Air Targets
- 8. The Intelligence Annex to An Operations Order