

Meeting on Visual Aids

Oct 18/63

Wabash College

The group was invited to see the models in the Wabash chem. lecture room, some dist.

Chairman - Paul Wright

Resource speaker - Grovenor Rust, S.I.U.

Topics Discussed

① Programmed learning - or information retrieval

Purpose - to develop skill in thinking, understanding and handling material

Methods linear programming of large amounts of information in a broad general nature

Scrambled book presentation of (Enterprise programming) specific concepts, a more thorough application of subject matter requiring reaction and response.

Adjunct Programs - text plus a program

Much depends on how well the program has been written and the progression of material

Criterion tests are essential.

Does not do away with teachers - they

2
are essential to the success and application of the program

1M470 (Instructional Materials) summer course programmed learning, Fairbairn, S.V.

Mr Rust has prepared talks and visual materials on the subject of programmed learning and expressed a willingness to accept invitations to address college faculties on this area of education.

(2) Molecular models were discussed briefly. The use of styrofoam balls and sucker sticks was suggested - plus the application of vegetable dyes (water solutions of food coloring dyes)

(3) Films were also discussed briefly and Mr Rust suggested that many large firms have house films on specific processes which they are willing to loan on request

(4) Transparencies

With large classes this medium helps to build concepts and add

3
to the sequence of ideas, visual
and oral.

Thermomation - a polaroid material
produced by 3M to be used to
animate transparencies.

3M also supplies a plastic sheet for
use in Thermofax and Xerox
machines for the making of
transparencies in black and white
or color for use with ~~the~~ an over-
head projector; and a yellow wax
pencil for corrections and/or additions.

Zytone & Transpak provide colored
plastic sheets for transparencies
(available Welch & Central Scientific)

Mr Rust said ^{that} ~~the old~~ projectors
should be replaced with the new
and convenient opaque projectors.
(older than about 1957 models)

Organic equations, notes & diagrams
made into transparencies & ditto masters
on Xerox & Thermofax ^{are} a wonderful
time saver in visual aid area.

Paper high speed ~~electrochrome~~ ^{extra chrome} film, a reflex camera
& ordinary room light were also a wonderful aid

Publications Presented for Examination

Electronics - Robt. Hughes, Peter Pipe
(scrambled book) Doubleday

Slide Rule R. Safford, A. Smalley
(scrambled book) Doubleday

Pocketbook Series Jessie Day - Ohio Univ.
Molar Theory Benjamin Press
Kinetic Theory of Gases

Temac Program - Encyclopedia Britannica Press
Subject - Algebra

Coronet Learning Program - The Molar Method
Coronet Films, Chicago
A Sample Sequence of Intrinsically Programmed
Material in Body Fluid Metabolism
Wolf & Crubder, U. S. Industrials Inc

Professional Educ. Program of International
Minerals and Chemical Corp.
Molding Sand Practices Unit I

Automated Instruction Device - A I D
Unit 1 Dental Health
Lawrence - Lenter Co, Kansas City, Mo.