ground transparencies in a matter of seconds and at negligible cost by the dry-process copy method, diazo method, or photographic method

Full-color transparencies can be made directly from clay-coated stock originals such as magazines and brochures by means of a special color-lift-off film For repeated showings of an important subject, the additional expense of full-color transparencies of original subjects might be justified

Color can also be added by the use of tinted plastic overlay sheets, either loose sheets or self-adhering The latter can be cut to cover and add color to portions of the art work or can be cut to form interesting art or background designs

The transparencies can be as large as 10 in square and can be mounted in cardboard frames "Commentator cues" or a script can be added to the frame for convenient reference Unmounted plastic sheets or a large roll of plastic film, which can be rolled to the other side of the projector and either discarded or rolled back for reference, also can be used. Both mounted and unmounted sheets can be filed for reuse

This aid has a number of important advantages The speaker needs no assistant, he can face the audience, and the room can be either partially or fully lighted He can use any opaque material as a cover sheet, which can be withdrawn to reveal data point by point, and he can point to items on the transparency—and therefore on the screen—with a pencil or other object See Fig 14–14

#### Opaque projectors

Opaque projectors are useful for showing printed material and even three-dimensional objects Printed material up to 10 in square or an object up to 2½ in thick is placed in the machine, and the image is projected onto the screen by means of a powerful light and a mirror The room must be darkened for effective viewing

With an opaque projector, material that cannot conveniently be transferred for overhead projectors or photographed for 2 in slide projectors can be quickly shown An example of such material would be a safety catalog or a safety poster in full color Of course, to be suitable for use in an opaque projector, printed material must have type large enough to be legible to the entire audience when the material is projected

#### Motion pictures

Movies are rated excellent for training and motivating Because of their higher cost compared with that of other visuals, they should be planned with special care Usually, movies are important enough to justify commercial production or at least professional advice before and during production Some homemade movies, however, have proved to be effective See previous section on Making Motion Pictures

The three principal sizes of motion picture film commonly in use are 35mm, 16mm, and 8mm, both standard-8 and super-8 sizes. The 35mm film is found almost exclusively in theaters The 16mm size is widely used by industrial organizations, and the 8mm size is gaining attention because of its lower cost.

The development of magnetic and optical sound, improved color stock, rear-projection screen, self-threading cartridge, single-frame viewing, and super-8 equipment has resulted in greater use of motion pictures for in-plant training

The standard-8 and super-8 projectors and cameras are smaller and lighter than the 16mm equipment—an advantage where portability or size is a factor These projectors can be used for continuous showing of safety films in such locations as cafeterias and lounges, with either a regular screen or small rear-screen self-contained unit

A wide selection and variety of 16mm safety films are available from insurance companies, local safety organizations, commercial film libraries, industrial producers, and the National Safety Council

#### *Television*

Industrial safety professionals can promote community safety by participating in television programs that feature the prevention of accidents when such programs are scheduled on local stations or national networks Such participation by an individual can lend emphasis and prestige to his company's own off-the-job safety program

Moreover, public relations benefits accrue to the company, local safety council, or local