

## COLORED MOVIES HURT EYES LESS THAN BLACK AND WHITE ONES

People who have had to miss the movies because they hurt their eyes may go in perfect comfort and ease to the colored ones that are being developed today. Prof. Leonard T. Troland of the psychology department of Harvard University has made a study of both kinds of movies and gives the colored ones a clean bill of health.

"Some persons still insist that motion pictures hurt their eyes in spite of the fact that the vivid black andwhite contrasts of the early motion picture and the unsteadiness on the screen and the flickering projection have now been eliminated," Prof. Troland said. "Experience has shown, however, that eye strain is much less for the average sensitive observer after seeing a colored picture.

"The more natural a picture is, it seems, the easier it is for the oculo-motor system to make the images appear as they should'," Dr. Troland explained. "In black and white pictures violent contrasts often have to be used in order to get the effect of depth and reality, and such contrasts tire the eyes. Colors on the other hand express contrasts in a harmless way and also improve the truthfulness of the pictures."

When motion pictures in color were first introduced about fifteen years ago annoying fringes of red and green on the edges of moving objects disturbed the enjoyment of the pictures and critics said that they were much worse for the eyes than the black andwhite performances. The trouble was that the red and green components were not photographed simultaneously and the effect was a doubling of the image on the screen which the eye muscles struggled to make into one again. This upset the normal balance of what Prof. Troland calls the ocular reflexes.

The fringing and double image defects in natural color movies have been overcome in recent years, and the modern pictures are quite free from them. Prof. Troland says that sensitive people feel so much less strain now from the colored pictures that they often close their eyes entirely to the black and white portion of the films.

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## CORN BORER HARVESTER FIGHTS PEST IN OHIO

Machinery specially adapted to fight the European corn borer is being shipped into the territory infested with the corn plague. The harvesters are designed with low cutting blades that slice off the stubble very close to the surface of the ground. This leaves as many as possible of the borers in the stalk to be crushed during the husking process.

The low cutting has an additional advantage in reducing the numbers of next year's crop of corn borers, since the pest migrates to the base of the stalk as the corn ripens and spends the winter in the stubble that is left in the fields.

Machinery promises more success than any other means tried so far in killing the borer while actually at work, according to Prof. G. W. McCuen of the department of agricultural engineering at Ohio State University.

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