

BELIEVED TO HAVE INFERIOR SHRINKAGE CHARACTERISTICS. WE ARE UNABLE TO FIND ANY RELIABLE DATA ON THIS POINT AND WOULD RECOMMEND THAT A STUDY, SIMILAR TO THAT GIVEN IN THIS REPORT, BE MADE ON ACETATE FILM. CONSIDERING THE LACK OF PERMANENCE AND THE HAZARD IN STORING NITRATE FILM, TOGETHER WITH THE GOOD BEHAVIOR OF TWO SAMPLES OF ACETATE CUT FILM GIVEN IN TABLE 3 (LAST TWO FILMS), IT SEEMS THAT FURTHER ATTENTION TO THIS KIND OF FILM IS WARRANTED.

A NEW STEREOSCOPIC DEVICE BY DAVID GORDON

AN INTERESTING STEREOSCOPIC DEVICE (U. S. PATENT No. 1,987,821) WAS DEMONSTRATED IN WASHINGTON RECENTLY. IT CONSISTS OF A SMALL PHOTOGRAPH SUCH AS OBTAINED WITH A MINIATURE CAMERA, HELD CLOSE TO ONE EYE AND VIEWED THROUGH A LENS FOR PROPER FOCUS WHILE THE OTHER EYE VIEWS A NATURAL SCENE OR ANOTHER LARGER PHOTOGRAPH FROM A DIFFERENT VIEWPOINT. THE LARGE AND SMALL PHOTOGRAPHS MUST OF COURSE BE TAKEN FROM DIFFERENT VIEWPOINTS BUT WHEN LENS AND SMALL PHOTOGRAPH ARE PROPERLY ADJUSTED THE IMAGE FROM IT FUSES WITH THE LARGE SCALE VIEW AND STRONG STEREOSCOPIC RELIEF IS OBSERVED.

MANY APPLICATIONS WERE CITED. A SMALL PHOTOGRAPH MAY BE TAKEN AT SOME DISTANCE TO THE RIGHT OF THE CUSTOMARY VIEW OF A SCENE, WHICH WHEN VIEWED THROUGH THE DEVICE WILL STAND OUT IN STRONG STEREOSCOPIC RELIEF. THE DEVICE MAY BE USED FOR PHANTOM EFFECTS. FOR EXAMPLE THE SMALL PHOTO MAY SHOW THE INTERIOR OF A MACHINE AND THE LARGE PHOTO OR DIRECT VIEW ITS EXTERIOR. IN THIS WAY THE OUTSIDE AND INSIDE OF THE MACHINE CAN BE SEEN IN PHANTOM EFFECT AT THE SAME TIME. A CLOSE COMPARISON OF DUPLICATES OF VARIOUS SORTS BY WHICH SMALL DIFFERENCES CAN BE APPRECIATED IS ANOTHER APPLICATION.

MICRO-PHOTOGRAPHS MAY BE VIEWED WITH ONE EYE AND THE OBJECTS THEMSELVES THROUGH THE MICROSCOPE WITH THE OTHER. VERY SLIGHT MOTIONS BECOME PERCEPTIBLE OR BY SHIFTING THE VIEWPOINT THE STEREOSCOPIC RELIEF MAY BE EXAGGERATED AS DESIRED.

THE HILLS AND CRATERS OF THE MOON MAY BE PERCEIVED IN STRONG STEREOSCOPIC RELIEF WHILE LOOKING THROUGH A TELESCOPE WITH ONE EYE AND THE DEVICE WITH A SUITABLE PHOTO WITH THE OTHER.

IT IS INTERESTING THAT THE SMALL PHOTOGRAPH MAY BE THE USUAL BLACK, GRAYS AND WHITE, BUT IF THE LARGE PHOTOGRAPH OR NATURAL SCENE IS IN COLORS, COLORED FUSED IMAGE IN STEREOSCOPIC RELIEF IS PERCEIVED.