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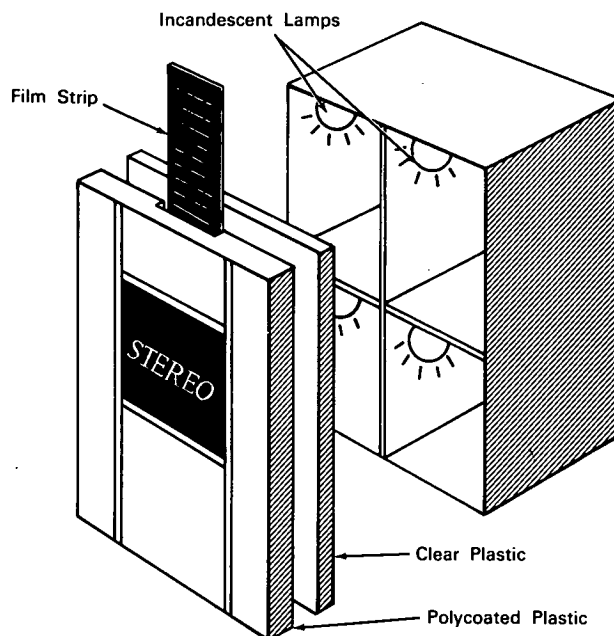
Brief 65-10003

# NASA TECH BRIEF



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## Illuminated Display Panel Is Easily Changed



**The problem:** Preparing illuminated, multicolored display panels that are flexible, inexpensive, easily changed, and readily fabricated at the point of use.

**The solution:** A photographic negative with information transparent and background opaque black is placed between two sheets of plastic and back-lighted in selected areas.

**How it's done:** The display panel consists of a plastic film holder and a backlighting structure. An outer polycoated (front surface frosted) plastic sheet and inner clear plastic sheet are held securely in a metal frame but sufficiently separated to permit the

insertion of a filmstrip. The backlighting structure is a matrix of one-inch squares, each containing a small incandescent lamp. Control of the lamps permits selective lighting of these areas to fit the display in use. Color may be incorporated in a display by backing the negative with transparent colored tape in any desired variety.

### Notes:

1. A plain or multicolored display can be fashioned by this method in about five minutes using current speed-camera techniques to produce the film negative.

(continued overleaf)

2. Inquiries concerning this innovation may be directed to:

Technology Utilization Officer  
Manned Spacecraft Center  
P.O. Box 1537  
Houston, Texas, 77001  
Reference: B65-10003

**Patent status:** NASA encourages commercial use of this innovation. No patent action is contemplated.

Source: International Business Machines.  
under contract to Manned Spacecraft Center  
(MSC-108)