

Museum of
Holography

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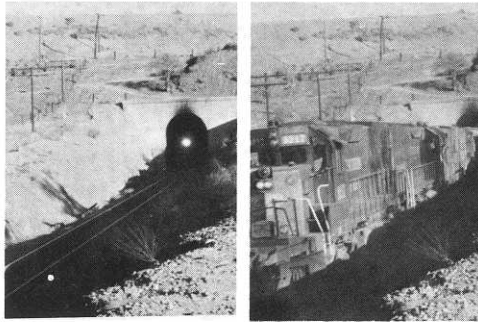


120° Holographic Movies

Holographic movies, or stereograms, are the most widely known type of holograms today. These rainbow colored images move from side to side, and appear to be suspended in space. All are easily lit from behind with an ordinary clear light bulb, and come in several sizes for home display. 120° movies contain 800 successive movie frames and represent 15 seconds of real time action as you move from left to right around the film. Their display units frame the film between 2 sheets of clear plexi-glass curved 120° in front of a black metal frame. Overall dimensions are 10½" x 18" x 13". Comes complete with lighting unit and clear bulb, ready to hang.



- Kiss II, 120° (#4511) film 19 x 9" \$95.00
with display \$160.00
- Flat (#4531) film 9 x 5" \$24.95 framed \$33.45
- Micro (#4541) film 3 x 2½" \$6.50



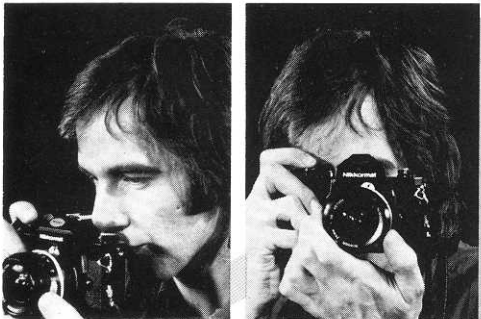
- Train, 120° (#4512) film 19 x 9" \$90.00
with display \$155.00
- Flat (#4532) film 9 x 5" \$24.95 framed \$33.45
- Micro (#4547) film 3 x 2½" \$6.50

Flat Movies

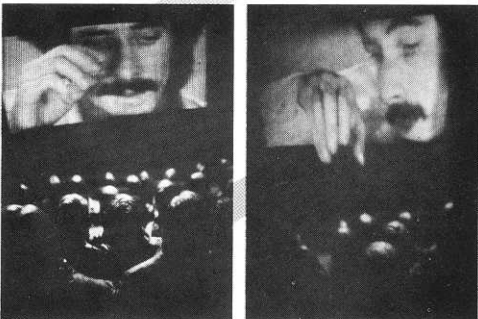
Flat movies contain 360 successive movie frames and represent 7 seconds of real time action. Their frames sandwich the film between 2 flat 8" x 10" pieces of clear plexiglass. Lighting unit is not included. **Micro movies** are best presented when hand held. Instructions for displaying and lighting are included.



- Dracula, 120° (#4516) film 19 x 9" \$90.00
with display \$155.00
- Micro (#4551) film 3 x 2½" \$6.50

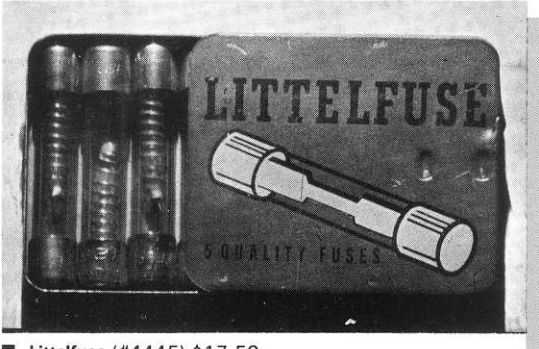


- Simon and Camera, 120° (#4517) film 19 x 9" \$120.00 with display \$185.00



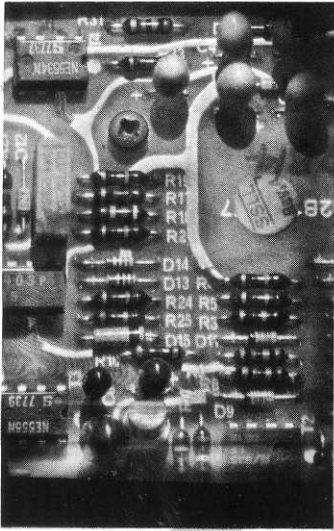
- Movie Theater, Flat (#4521) film 9 x 7" \$54.00 framed \$62.50

Dichromate Reflection Holograms

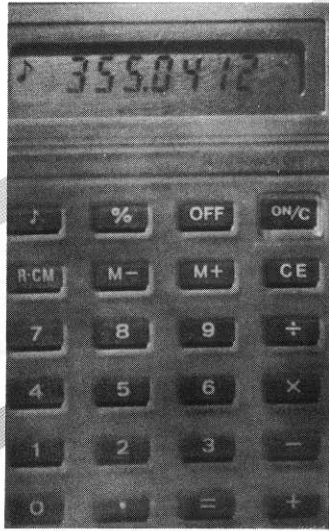


■ Littelfuse (#4445) \$17.50

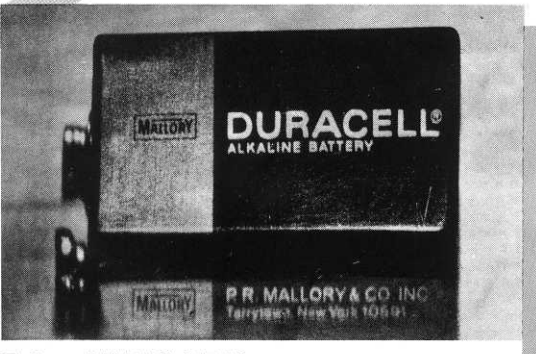
These 2" x 3" holograms clearly demonstrate the clarity and sharpness characteristic of dichromate holography. Each image has been recorded on a gelatin emulsion and mounted between protective glass cover plates of the same size. No special set-up is required for viewing; any bright light will do.



■ Resistor (#4446) \$17.50



■ Calculator (#4449) \$17.50



■ Duracell (#4448) \$17.50



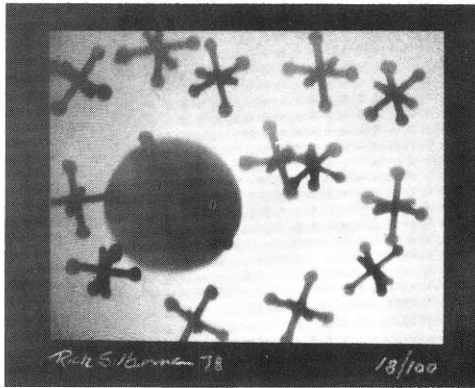
Reflection Holograms

Reflection holograms are easy to display because they are illuminated and viewed from the front of the holographic plate. The image appears to project out when a clear light bulb, penlight, or direct sunlight is positioned above and in front of the plate at a 45° angle. These glass plates can be purchased alone, or framed for wall mounting or desk top viewing.

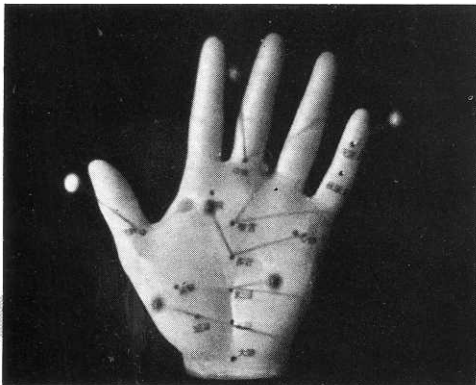
Wall frame: 8" x 10" clear plexiglass frame comes ready to hang on the wall and will be shipped with your hologram premounted.

Tilt display: 5 1/2" wide x 5" high x 2" deep. Clear plexiglass holder provides a tilting surface for proper viewing of your hologram in many positions.

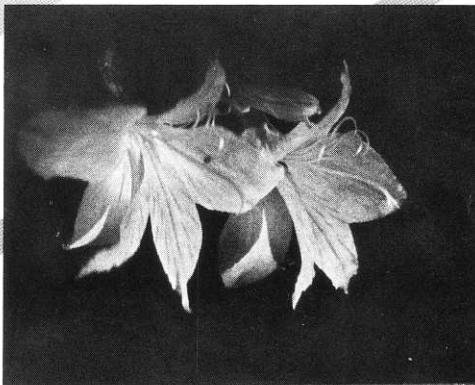
Please specify which display you prefer.



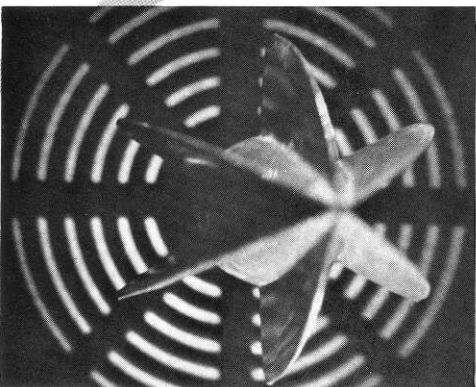
■ **Ball and Jacks (#4396)** color: green, 4 x 5" plate \$135.00
Signed, limited edition by Rick Silberman.
Comes matted and framed.



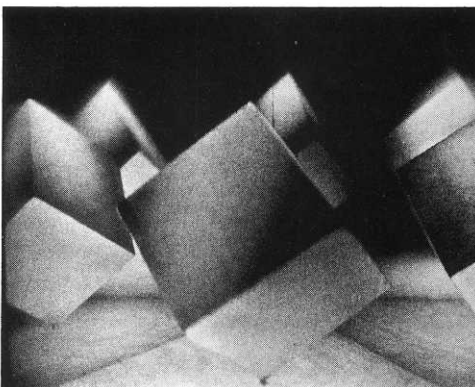
■ **Acupuncture Hand (#4389)** color: red/yellow, 4 x 5" plate \$43.00
With wall frame \$49.50 With tilt display \$58.00



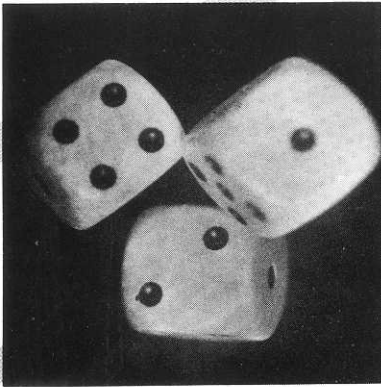
■ **Peruvian Lilies (#4228)** color: red, 4 x 5" plate \$48.00
With wall frame \$54.50 With tilt display \$63.00



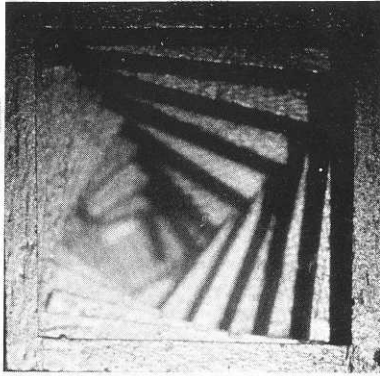
■ **Rocket (#4229)** color: red/yellow, 4 x 5" plate \$43.00
With wall frame \$49.50 With tilt display \$58.00



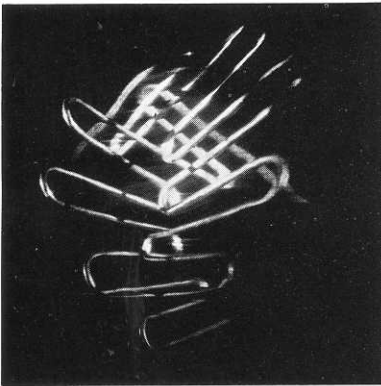
■ **Kaleidoscopic Cubes (#4225)** color: red, 4 x 5" plate \$48.00
With wall frame \$54.50 With tilt display \$63.00



■ Dice (#4364) Color: red, 2½ × 2½"
Plate \$14.50 With wall frame \$21.00



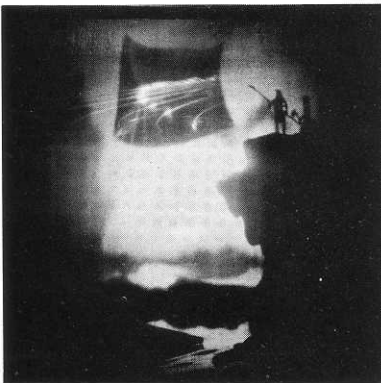
■ Pyramid Up (#4365) color: green, 2½ × 2½"
Plate \$14.50 With wall frame \$21.00



■ Wire Hands (#4607) \$12.50

Printed Holograms

One of the newest and most exciting forms of holography, printed holograms are stamped (embossed) onto a 6" × 6" mylar surface. They look like a mirror until you shine a clear bulb 45° above and in front of the film. Can be framed easily and hung on a wall like a photograph. All orders include instructions for display and lighting.



■ Stargate (#4605) \$18.95



■ Bird and Rocks (#4606) \$12.50

Holographic Jewelry



■ Classic Eye
S, M (#4404) \$19.95



■ Pharaoh
M, L (#4410) \$19.95



■ Mobius Loop
M (#4434) \$19.95



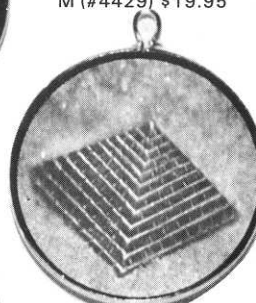
■ Horse
M (#4429) \$19.95



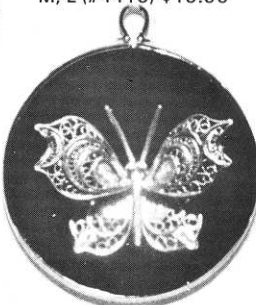
■ Unicorn
M (#4439) \$19.95



■ Butterfly Girl
M, L (#4415) \$19.95



■ Pyramid
M, L (#4413) \$19.95



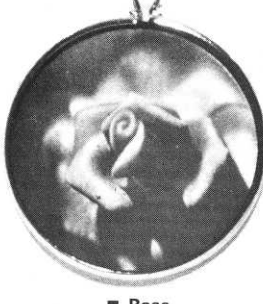
■ Filigree Butterfly
M (#4433) \$19.95



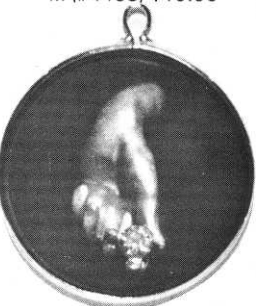
■ Pegasus
M (#4430) \$19.95



■ Delicate Rose
M (#4437) \$19.95



■ Rose
M, L (#4403) \$19.95



■ Diamond Hand
S, M (#4399) \$19.95



■ Moon Man
M, L (#4405) \$19.95



■ Geometrics
M (#4431) \$19.95

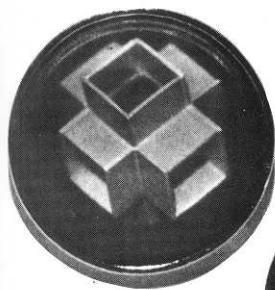


■ Pierrot
M (#4440) \$19.95



■ Pagoda
M (#4435) \$19.95

These holograms are the clearest and brightest yet produced. They are visible in virtually any strong light, with sunlight producing the most dramatic effect. The images on the opposite page are priced to include your choice of gold plated chain or keychain. Be sure to specify which you would like in your order. Many of these images are available in different sizes, which are noted as S (small), M (medium), and L (large) after each title. Please specify size in your order. The pins and belt buckles shown on this page are made to order. The price shown includes your choice of any medium sized image and its pin or buckle. Please indicate the hologram, and which setting you prefer (pin or buckle).



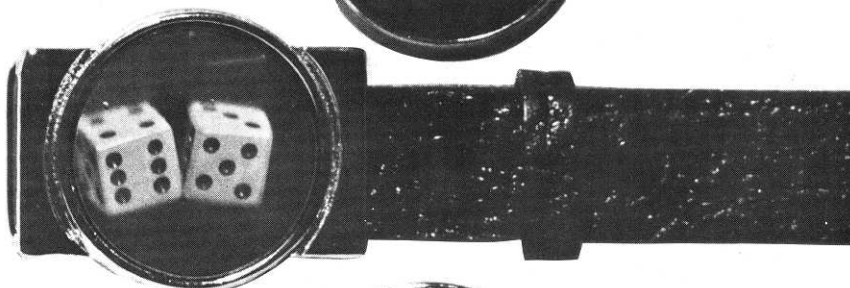
■ **Cube**
M (#4397) \$19.95



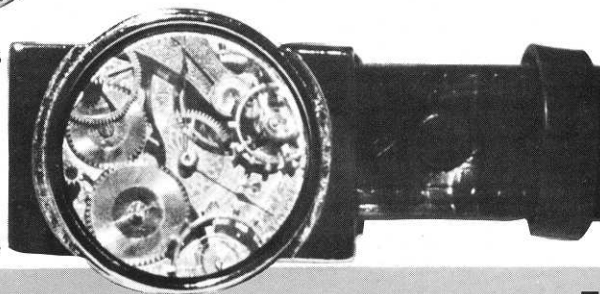
■ **Eye**
M, L (#4408) \$19.95



■ **Comedy/Tragedy**
M (#4398) \$19.95



■ **Dice**
M (#4402) \$19.95



■ **Waltham Watch**
M, L (#4401) \$19.95

■ **Pins \$22.50**

■ **Belt buckles \$26.50**

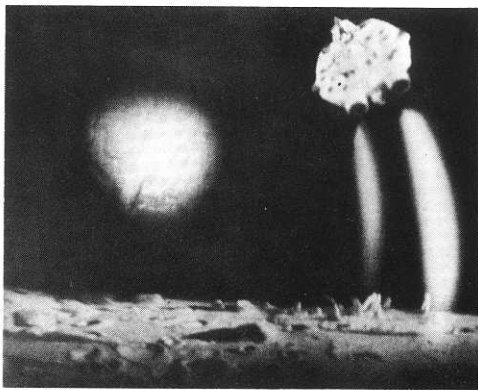
Belts are not included.

White Light Transmission Holograms

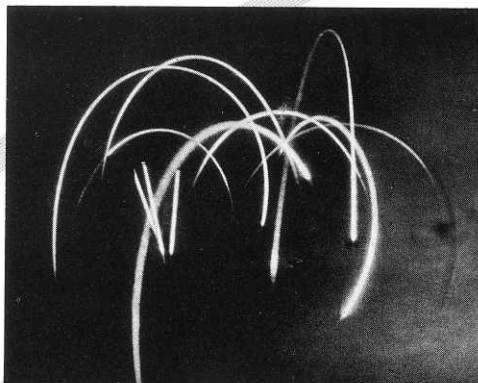
These holograms offer the greatest range of colors in holography, each changing hue as you move up and down in front of the film. The image appears to project in front of, as well as behind the film plane when a clear bulb is positioned at a 45° angle below and behind the film. They are recorded on 4" x 5" film, and come mounted in an 8" x 10" clear plexiglass frame, ready to hang. Instructions are included.



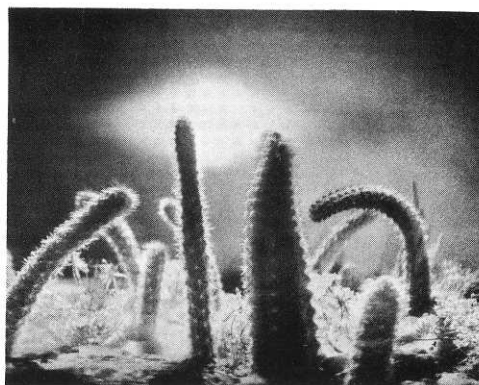
■ **Faces (#4608)** \$39.00
Predominant colors: red/blue/green



■ **Take-Off (#4069)** \$44.50
Predominant colors: red/green



■ **Loose Ends (#4501)** \$44.50
Predominant colors: turquoise/red



■ **Desert Mirage (#4603)** \$44.50
Predominant colors: red/green/yellow

■ **A Guide to Practical Holography**, by C. Outwater and E. Van Hammersveld, 1974. Beginners manual for those who would like to make holograms but have no technical training. Covers basic light wave theory and recording procedures. Softbound, 88 pages. (#2251) \$12.50

■ **Homegrown Holography**, by G. Dowbenko, 1977. Practical information about lab construction and optics. Designed for the beginner, with diagrams and formulas for all types of holograms. Softbound, 160 pages. (#2252) \$8.95

■ **Holograms**, by G. Saxby, 1980. Exceptionally complete practical text, ranging from simple productions to more sophisticated image work. Covers applications in art, industry, and commerce, with a well organized glossary of terms. Color plates of noted art work included. Hardbound, 168 pages. (#2259) \$24.95

■ **Understanding Holography**, by M. Wenyon, 1978. A concise reference manual of principles and applications of laser technology. Focuses on holography as a tool in industry, advertising and art. Good bibliography provided for further study. Hardbound, 180 pages. (#2261) \$13.95

■ **Holography Handbook**, Unterseher, Hansen, and Schlesinger, 1982. Excellent practical handbook with detailed diagrams and step by step instructions to coach even the most inexperienced beginner in making good quality holograms. Offers advanced technique as well, and is supplemented by an extensive appendix of terms, available classes and articles to read. First text to include a hologram with purchase. Softbound, 407 pages. (#2259) \$16.95

■ **Light and Its Uses**, Intro. by J. Walker, 1980. Collection of articles dealing with the optics and construction of lasers, holograms, interferometers, and several types of instruments designed to disperse light into its constituent wavelengths. Softbound, 147 pages. (#2275) \$11.95

■ **Laser; Supertool of the 1980's**, by J. Hecht and D. Teresi, 1982. The most current text for non-specialists. Covers historical developments, holography, and applications in industry, communications, and laser weaponry. Informative chapter on the use of lasers in medicine. Hardbound, 264 pages. (#2277) \$14.95

■ **The Laser Experimenter's Handbook**, by F. G. McAleese, 1979. Six detailed projects for building and acquiring working knowledge of lasers. Step by step instructions with all in-depth background theory necessary for experimentation. Softbound, 210 pages. (#2274) \$7.95

■ **Three Dimensional Imaging Techniques**, by T. Okoshi, Academic Press, 1976. The history and development of the reconstruction of spatial images and dimensional imaging systems. Stereo, lenticulars, fly's eye arrays, direction-selective screens, stereo-video viewers and holography are included. Hardbound, 403 pages. (#2272) \$39.95

■ **Holography and Its Application**, by Y.I. Ostrovsky, 1973. Intermediate student text, translated from the Russian. Emphasis on geometry for formation and reconstruction of holograms. Discussion is centered on more sophisticated techniques for achieving optimum beam ratios, determining emulsion resolution and making multi-color images. Hardbound, 272 pages. (#2254) \$5.95

■ **Optical Holography**, by R. Collier, C. Burckhardt and L. Lin, Academic Press, 1977. Advanced text offers in-depth treatment of the theory and applications of holography. Key reference for engineers, physicists and chemists. Softbound, 624 pages. (#2258) \$27.50

■ **Laser Art and Optical Transforms**, by T. Kallard, 1979. Features 120 diffraction patterns and how they can be produced with laser light. 53 photographs of contemporary holograms demonstrate the creative possibilities of the medium. Softbound, 170 pages. (#2232) \$13.95

■ **Image Nation**, edited by David Hlynsky, periodical, 1980. Full color photojournal of key artists in stereo photography, with side by side stereo prints and special viewing glasses. Softbound, 52 pages. (#2234) \$8.50

■ **Stereo Views**, by Chandler and W. Pope, 1978. 34 examples of stereo photography complete with anaglyphic glasses to produce 3-D effects in each picture. Softbound, 32 pages. (#2283) \$7.95

■ **3-Dimensional Optical Illusions**, by L. Evans, 1977. Color, cut-out and construct 5 optical illusions while learning perceptual tricks first hand. Softbound, 31 pages. (#2288) \$4.95

■ **Optricks: A Book of Optical Illusions**, by M. Wentzell and D.K. Holland, 1973. 26 classic examples of seemingly logical images trick your eye and boggle your mind. Softbound, 39 pages, (#2289) \$2.95

■ **The Magic Moving Alphabet Book**, by T. Moore, 1978. View 26 images, captioned by the alphabet, through a moire screen to achieve the illusion of motion. Ideal for the beginning reader. Softbound, 32 pages. (#2281) \$2.95

■ **The Magic Mirror, An Antique Optical Toy**, by McLoughlin Bros., 1979. These replicas of plates in an antique boxed toy, use a mylar sheet to transform 24 distorted, anamorphic images into charming full color pictures. Instructions and mylar sheet provided. Softbound, 48 pages. (#2279) \$2.50

■ **holosphere**, edited by E. A. Bush, *Museum of Holography periodical*. The advocate of holographic science, technology and art, *holosphere* is the only publication devoted exclusively to display holography. 11 times a year it brings members of the Museum accurate, reliable reporting about events, criticism, and advances in the practice of holography. To subscribe, simply join the Museum by checking the box on the order form on page 11.



A.

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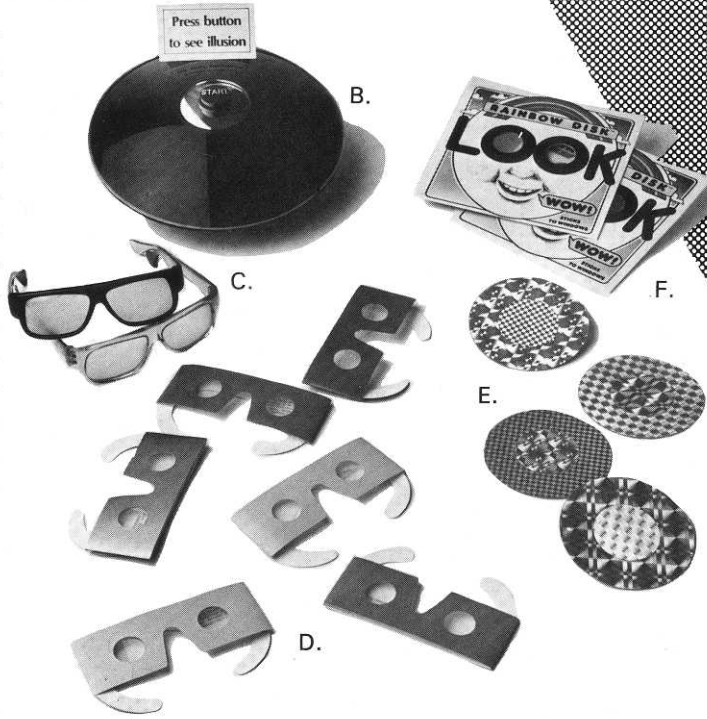
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A hologram is the recording of patterns of laser light waves
reflected from an object onto the emulsion of light sensitive film
and resulting in a 3-dimensional image focused in space. Hologram
refers to both the film and the 3-dimensional light image it projects.
The technique of making a hologram is called holography.