



Fig. 9. (a) *Encounter II*: open-air sculpture, 30 cm  $\times$  375 cm  $\times$  410 cm. (b) *Apollonian Gift Series*: 30 m  $\times$  30 m, each holographic grating object, 100 cm  $\times$  a circle with a diameter of 60 cm.

accepted in the art competition of the first Henry Moore Grand Prize Exhibition at the Hakone Open Air Museum (1979).

Half of the ring was a real object and the other half was a reconstructed image of the hologram. In this work, I was interested in the contrast between the real and unreal as I have been from the day I took interest in holography. The hologram was illuminated by sunlight that was reflected from the mirror, which automatically tracked the sun. The size of this rainbow hologram was 80 cm  $\times$  100 cm, which was one of the largest in the world at that time.

Sunlight is an ideal light source for the rainbow hologram because it is a point source of light. In sunny weather, a hologram reconstructs bright images, irrespective of the brightness during the day. On the other hand, during cloudy or rainy weather, there is no image on the because scattered light does not reconstruct the image. Everyone who was not able to see the reconstructed image complained about my work. They had never encountered outdoor artworks such as the abovementioned ones that involved weather conditions; it was a completely new concept for them.

#### 4.1.2 *Apollonian Gift Series*

As mentioned above, I created outdoor artworks involving holograms in 1979. At that time, one matter of concern was the durability of the recording material. The holography film employed a silver halide photographic material. The film was sandwiched between two polycarbonate plates and shielded from moisture. However, a few years later, I found that the hologram image disappeared because of damaged gelatin. I stopped creating outdoor works involving holograms until holographic grating films were mass-produced. The new material used was a plastic sheet. Thereafter, I resumed preparing outdoor artworks.

*Apollonian Gift Series* (Fig. 9b) was installed in the pond at Parthenon Tama, Tokyo.