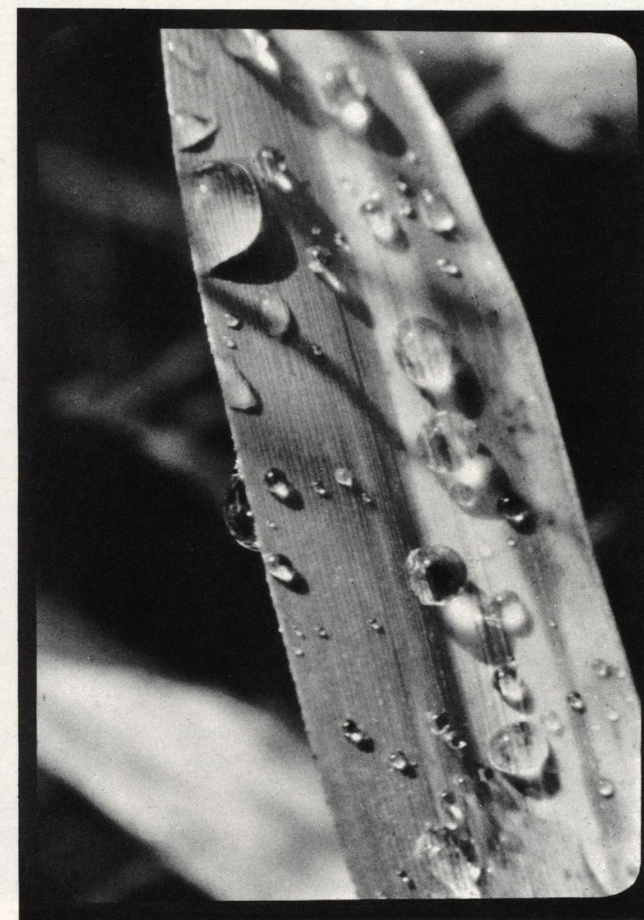


HERE are two good examples in which a zoom lens demonstrates its special flexibilities to precisely frame different sized subjects. At left—full page, the use of two close-up lenses together plus telephoto position of the zoom lens. At right—a larger subject which requires only one close-up lens and a medium focal length.

*How do you film small subjects with zoom cameras? Accessory lens attachments enable you to get...*

# CLOSE-UPS WITH ZOOM LENSES



by Ernst Wildi

All Pan Cinor and Variowitar zoom lenses for 8 and 16 mm cameras are in focusing mounts and permit covering rather small areas without any additional accessories (see chart I and II). One can obtain beautiful close-ups of larger flowers, such as tulips and dahlias, or fill the frame with the head of a cat or dog.

The focusing range of these zoom lenses can be extended further by mounting close-up attachments in front of the lens in the same way as a filter. With this combination, the 8 and 16 mm moviemaker can enter the field of extreme close-up or macrocinematography and obtain some of the most exciting and unusual scenes. He can fill the entire frame with the flame of a burning candle, a caterpillar, a tropical fish in an aquarium, a tiny flower, a single waterdrop clinging to a branch, a postage stamp, a wristwatch, etc.

The following close-up lenses are available for the Pan Cinor and Variowitar zoom lenses:

*For Pan Cinor 40 —*  
Close-up lens engraved (1m-3 feet) item #567—for filming at distances from 2' to 4'.

*For Zoom Reflex Camera —*  
Close-up lens engraved (1m-3 feet) item #568—for filming at distances from 2' to 4'.

*For Variowitar 86 —*  
Close-up lens engraved (1.6m-5¼ feet) item #565—for filming at distances from 3' to 5¼'.

Close-up lens engraved (0.9m-3 feet) item #566—for filming at distances from 2¼' to 3'.

*For Pan Cinor 85 —*