



# How to combine shutter, aperture to capture moods

On Sept. 23, I introduced you to the basic concepts of exposure and equated correct film exposure with obtaining a "perfect sun-tan".

You'll remember that proper exposure consists of allowing just enough light into your camera for a specified amount of time. The right combination of lens opening and shutter speed.

That combination is determined by your camera's meter and is crucial to correct exposure. It is important to understand that there are many combinations of aperture/shutter speed to produce proper exposure.

For example, an exposure combination of F-8 at 1/60 second is exactly the same as F-5.6 at 1/125 second because in the latter exposure, light is entering the camera through an opening twice as large but for half the time. You see, for each combination, the end result is the same — correct exposure.

**WHAT DETERMINES** the combination of aperture/shutter speed is the film speed (measured in ASA) and the lighting conditions under which you are shooting.

You may ask: "If any combination of aperture/shutter speed gives correct film exposure, what difference does it make which is used?" Well, it makes a big difference — not in exposure, but in the final appearance of your photograph. You can achieve different kinds of moods.

• Long shutter speeds will give your pictures a feeling of motion and sometimes a dream-like quality such as a photo of a waterfall. (Be prepared to use your tripod when using long shutter speeds).

• Fast shutter speeds will "freeze" the action.

• Large apertures will result in shallow depth-of-field, even blurring out unwanted backgrounds.

• Small apertures will increase depth-of-field sometimes making your picture sharp from front to back.

**YOU BEGIN** to become creative and to express yourself through your photography when you start to become the "boss" of your camera; when you select the aperture/shutter speed combination that will give you the results you want in your picture.

And give yourself the flexibility to override the camera's meter by intentionally over- or underexposing your shot. You can do this for aesthetic reasons or to correct for an extreme bright or dark background.

Don't think you're stymied if you have an automatic camera. If a certain aperture/shutter speed combination won't produce the results you want, simply make an adjustment in shutter speed, and the camera will automatically make a corresponding correction in aperture. Reverse the process if you have an aperture priority camera.

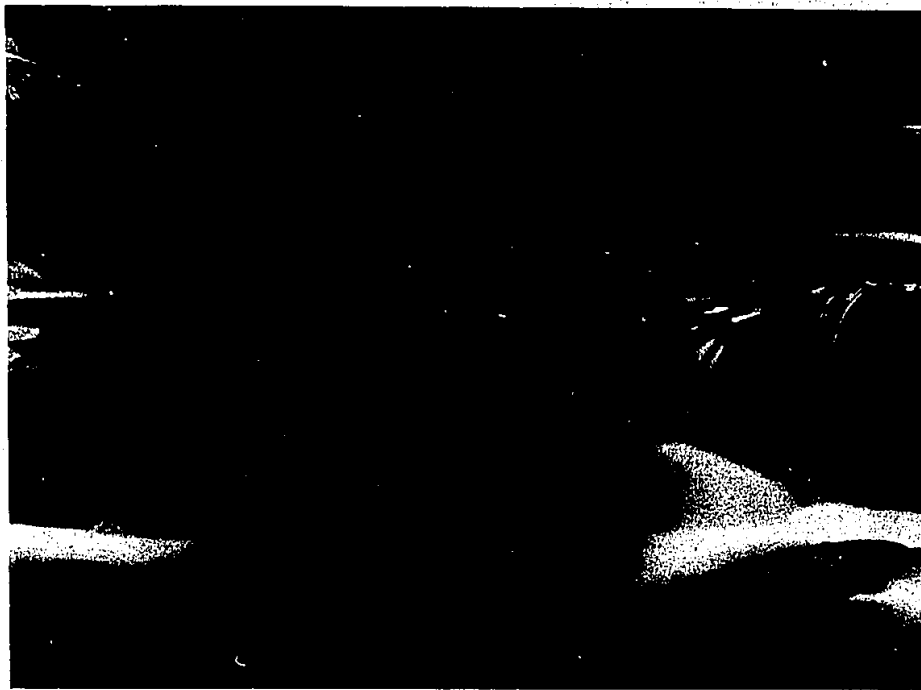
Be creative in your photography by understanding how apertures and shutter speeds relate to each other and how you can use their relationships to improve your pictures. More on exposure on Oct. 21 when you'll learn all about light meters.

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## Short shots

• Twelve Oaks Mall's annual classic car photo contest will be held the week of Oct. 17. Shooting sessions conducted by columnist Monte Nagler will be held Oct. 19 and 21 from 7 to 9 p.m. and Oct. 23 from 9 to 11 a.m. Prizes will be awarded.

• The Greater West Bloomfield Photo Club will meet at 7:30 this evening in West Bloomfield United Methodist Church, 4100 Walnut Lake Road. A slide presentation on the topic of "People" is free and visitors are welcome. For information about the club, call Alvin Shapiro at 851-5877 and Tony Merlo at 369-1407 after 7 p.m.



An exposure combination favoring a very long shutter speed was used by Monte Nagler in this photo of the Dune River Falls in Jamaica.

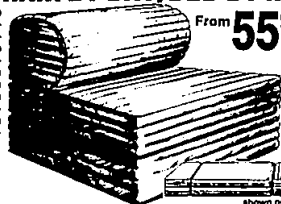
The 30-second exposure enabled him to portray a misty, dream-like quality to the terraced falls.

APERTURE	F-4	F-5.6	F-8	F-11	F-16
SHUTTER SPEED	1/500	1/250	1/125	1/60	1/30

Each combination of aperture and lens opening will give you film an identical "suntan." Which combination you use will determine the artistic outcome of your photo.

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