Jnderstanding depth-of-field

Those who have taken my classes know the importance I place on a thorough understanding of depth-of-field. And many have found that it's easier to master than they might have thought.

The aperture is the major controller of depth-of-field. To clear up those terms, some definitions are in order. Depth-of-field is the distance between the neurest point and the farthest point of a picture that appears sharp and in focus. Aperture. On the loss opening through which light is allowed to part of the loss opening through which light is allowed to part of the loss opening through which light is allowed to give rare greaters. A small aperture (for example f-figh will deliver far greater depth-of-field than a large aperture (say 1-2). Remember, as you change aperture caposure.

A SMALL AFERTURE normally

A SMALL AFERTURE normally requires a faster speed. On automatic cameras, changes in aperture/shutter speed combinations are done for you. With minual cameras, it's

shutter speed combinations are done for you. With munual cameras, it's up to you. When do you want a great or shallow depth-of-field? In scenic shots, you most often will want a lot. You can assuredly imrove that picture of the distant muntain by framing your shot with the branches of that beautiful tree it the foreground. Here you would see a smaller aperture.

ture. Reversing the reasoning, in an out-door portrait, for example, where the center of interest is the subject's face, a large aperture is in order. Remember, a big aperture produces narrow depth-of-field so that what

might have been a distracting back-ground behind the subject will be-come instead a pleasing blur of col-

How can you determine what the depth-of-field will be? There are two ways.

First, use the depth-of-field scale on the lens barrel. The scale will appear as pairs of f-stop numbers with 'bracketing' marks. When the lens is in focus, a quick check of where these numbers intersect the feet these numbers intersect the feet cale will tell you exactly what your depth-of-field will be and, county what will appear sharp and in focus in your finished print.

DEPTH-OF-FIELD, can be max-

quently, what will appear sharp and in focus in your finished print.

DEPTH-OF-FIELD can be maximized by plening the infullity mark on the feet scale opposite your shooting aperture. Much greater depth-of-lield is available if you focus in this manner enabling you to be more creative in your photography.

Second, many cameras have a depth-of-field preview control which allows you to actually see through the viewfinder what will be rendered sharp in the final picture before you snap the shutter. Consult your camera has this useful feature.

In addition to f-stop changes, two other things affect depth-of-field. The first is subject-to-camera distance. The further you are from your subject, the greater is the depth-of-field is the focal length of the fers you are using. The shorest production of the control of the control



Monte Nagler used a small aperture in order to gain as much depth-of-field as possible in this shot taken in Nevada's Great Basin National Park.







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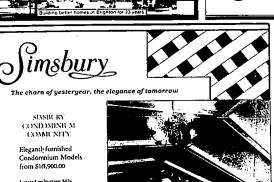
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Student musicians attending Congress

The 30th annual Congress of Strings which began last week at Wayne State University, will continue through Aug. 14.

The American Federation of Musicians, AFM, its sponsoring the sixweek session for 62 young string players from United States and Canada. Students audition and compected for scholarships offered by AFM locals to attend the congress.

Local student winners attending include violinists: Jason Bendler, Troy, Shannon Flanigan, Rochester

Hills and Judith Teasdle, Pontiac.

The cellists are Nicole Char-boneau, Bloomfield Hills and Paul Ledwon, Southfield.

Ledwon, Southfield.

In addition to orchestral rehearsals, master classes and music-related activities, the participants will
present five concerts: Saturday, July
30, Hart Plaza; Saturday, Aug. 13,
WSU Community Arts Auditorium;
Saturday, July 30, Wednesday, Aug.
10 and Sunday, Aug. 14, Meadow
Brook Festival.



