



MR. SPIDER—This *harum-scarum* looking fisher spider was snared on film by Fremont Davis, Science Service Staff Photographer, to illustrate how small game hunting with a camera can be exciting. The spider was "caught" at one-fiftieth of a second at $f/16$ with a Rectaflex.

lighted subjects.

This, obviously, is the simplest method of small game hunting with a camera. Therefore, it is advisable to take several pictures of any one good subject for the chances of a perfect shot are not as high as they could be. The insect may very well disregard your breathless cry of "Hold it!"

Poor focus and movement take their toll of negatives.

But taking pictures is not the only fascinating part of small game hunting. Equally as important is the world in which you do the hunting. A world very much alive that suddenly unfolds before your eyes as well as the camera eye. There is bound to be a surprise each time you look at the animals and insects and their habits and ways.

No Need to Nature-Fake

The real actions of the insect world are so exciting there is no need to nature-fake. Be a good hunter. Shoot only from natural life and disregard posing and other tricks.

Although using tricks is against the code of the best small game camera hunters, there is a legitimate and very much accepted way of making the game hunting a little easier.

Just as big game hunters use larger and better weapons to be more effective, so can the camera fan use similar equipment in his own arsenal to get better pictures.

The big problem of getting a fast exposure to cut down on the motion factor

and, at the same time, permit enough light to fall on the film to make the picture with a small lens opening, can be solved. The secret is the use of the high-speed electronic flash now so widely used. This allows an exposure of about one-thousandth of a second duration with the lens open to a very small aperture.

You will still have to crawl on your hands and knees and take the same great care with the camera, but the average of good negatives in your game bag will increase.

Still better pictures can be had with a lens that will show the detail better. These are the photomacrographic lenses such as the microtessars. They are specifically designed for use at short distances, such as we have been discussing.

Color photographs are not much more difficult to take in small game hunting than are black and white. The lens opening in most cases will have to be larger but the vivid colors will make the results much more exciting.

The only way to get the proper exposure for each picture is to make some test shots. You must "sight in" your equipment in much the same manner big game hunters calibrate their rifles for accuracy.

Other tricks in stalking and shooting will come naturally. As an example of what I mean, I found that it was more comfortable to float around the edge of a pool in a rubber tube and in a bathing suit. This permitted me to rest my elbows for steadiness. And it was cool.

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NUTRITION

Secrets of Making Tasty French Fries

► IF FRENCH FRIES turn out grease-soaked, dark-brown and scorched-tasting, it could be they originally had a low specific gravity, U. S. Department of Agriculture experts report.

Tests with potatoes from Maine to Washington show that just about everything from fat to field has an effect on the final French fry, but one of the most important factors is the potato's specific gravity.

Potatoes of high specific gravity, those that are heaviest for their size, make the best French fries.

Other factors the USDA scientists found that play a part in making tasty, crisp and golden-brown French fries are:

1. Storage temperature, recommended at 50, 55 and 60 degrees Fahrenheit to retard sugar accumulation.

2. Quick washing of pared or sliced potatoes rather than a ten-minute soaking to remove surface starch.

3. An eight-to-one weight ratio of fat to cut potatoes.

4. Par-frying at 360 degrees Fahrenheit and finishing off at 375 degrees Fahrenheit.

They found newly harvested, par-fried potatoes could be kept in freezer storage at zero degrees Fahrenheit for up to nine months "and be as tasty and tender as freshly prepared French fries."

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GENERAL SCIENCE

See Help for Disabled Workers in Automation

► AUTOMATION may prove a boon to workers so disabled they cannot operate heavy machinery or perform other jobs requiring physical strength.

Their technical ability, however, might be developed so that they could operate increasingly complex machinery that required little or no physical strength.

Research on the problem will be undertaken by the Human Resources Corporation of New York with the aid of a \$60,313 grant from the U. S. Office of Vocational Rehabilitation.

Blind farmers, both farm owners and tenants, will be rehabilitated, along with their farms, in another Federally-aided program sponsored by the Alabama Institute for the Deaf and Blind.

In California still another Federally-aided rehabilitation project calls for establishment of a half-way house to give a home to men discharged from the state mental hospital and who are gradually returning to work situations. The half-way house is expected to help them make the change from the hospital to normal living again.

Grants totalling \$540,923 for 19 such research and demonstration projects in rehabilitation were awarded.

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