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very much as a raccoon might look if its nose and tail were stretched out to about four times their usual length. The coati is quite fearless, and like the raccoon exceedingly curious. He will investigate anything, making off through the forest at surprising speed if it looks suspicious upon closer examination.

Another forest-floor beast you may find, wandering in small droves, is the peccary, or wild pig. Though there is never any freezing weather on the Isthmus, this creature is always as independent as the traditional hog on ice. It is a formidable fighter when necessary, and doesn't yield the road to anybody.

But many of the creatures that are in the forest you will never see by daylight. Either they see you first, or hear, or smell you, and quietly keep out of your way, or they do not roam abroad by day at all.

To get records of these nocturnal prowlers, the Barro Colorado scientists have resorted to "trapping by camera"—setting up a camera with a big charge of flash powder and a string-and-trigger arrangement for firing it when an animal touches the string. This has obtained superb photographs of such rarities as the tapir, that strange animal that looks like the Elephant's Child before the Crocodile pulled his nose; the puma and the ocelot, the two big cats of the region; and the trouser-legs and shoes of a night-wandering man, a trespasser who hadn't any business on the island. If that chap didn't know what a camera-



SUPERBLY BEAUTIFUL

Yet this white hawk of the Panama jungle feeds almost entirely on snakes.

trap set-up is, he must have thought a whole battery of artillery had opened on him when that big flash went off. He never came back to report his reactions.

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PHOTOGRAPHY

Ultraviolet Light Used In New Photographic Process

PHOTOGRAPHIC plates sensitive to ultraviolet light will shortly be made commercially by a new process, Dr. C. E. K. Mees of the Eastman Kodak Company has reported.

"Schumann" plates used for this purpose till now were difficult to make and had to be prepared by hand. They had a coating either entirely free from gelatine or containing only a small trace of gelatine to bind the silver bromide.

In order to avoid the use of Schumann plates, two Frenchmen, Duclaux and Jeantet, suggested the treatment of ordinary plates with a fluorescent substance which glows when exposed to ultraviolet light, and they employed petrol-

eum oils to paint it on the plates. Satisfactory results have been obtained by many workers with petroleum, but it is difficult to apply the oil uniformly and to remove it before development.

R. E. Burroughs of the staff of the Kodak Research Laboratories tested a large number of organic substances and found the most suitable to be ethyl dihydrocollidine dicarboxylate, which fluoresces strongly in the ultraviolet. This substance can be applied in organic solvents, from which it crystallizes in microscopic crystals over the surface of the plate, these crystals being easily removed before or during development.

Science News Letter, December 12, 1931