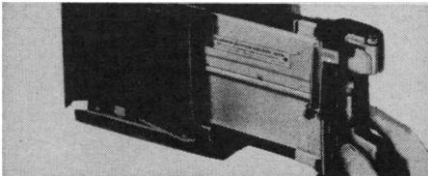
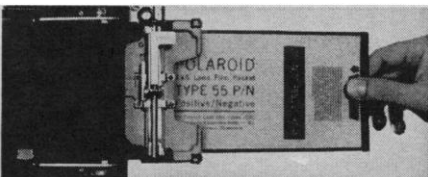


How Polaroid 4x5 Land film gives you both negative and positive in 20 seconds outside the darkroom.

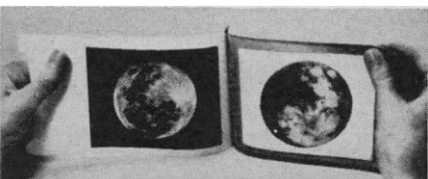
It's this simple to get both negative and positive without using the darkroom. Time required: 20 seconds.



Put a Polaroid 4 x 5 Land Film Holder in any camera that has a Graphic, Graflok or similar back.



Insert a Type 55 P/N film packet into the holder, and expose as you would with any panchromatic film rated at A.S.A. 50.



20 seconds later you have a fully developed, fine grain negative and a positive that matches the negative in every respect. Positive and negative develop in their own packet outside the camera, outside the darkroom. The negative needs only to be washed and dried to be ready to print or enlarge. Resolution is better than 150 lines per mm.

Type 55 P/N film is one of four special Polaroid Land films for 4 x 5 photography.

Type 52 film produces a virtually grainless paper print in 10 seconds. It has an A.S.A. rating of 400 and is ideal for general purpose 4 x 5 photography.

Type 57 film has an A.S.A. rating of 3200 for use in extremely low light conditions. It also produces a finished print in 10 seconds.

New Type 58 Polacolor 4 x 5 film is now available. It produces a full-color print just 60 seconds after exposure. The colors are rich and beautiful and skin tones are especially accurate. Speed is 75 A.S.A.

The Polaroid 4 x 5 Land system gives your camera more versatility, opens up new opportunities for you in 4 x 5 photography.

"POLAROID" AND "POLACOLOR" ®

and work-benches, for the most part, have been obtained from salvage houses. Despite these obvious handicaps, an active research program has been established in pharmacology, and several publications from this department appear each year in major scientific journals. We have learned to make the best of limited funds and equipment and have become past masters in the art of "do-it-yourself."

We now feel that Meharry should take a larger part in training and research and are endeavoring to initiate a limited graduate training program in the department of pharmacology. We also need a new building, and, since we have no UNESCO or other organization to plead our cause or send us gift coupons, we need must raise our own funds. To this end, we have written some 80 letters to foundations and pharmaceutical houses throughout the country, outlining our plans and our hopes and asking for contributions. To date, we have received 40 replies, only two of which offered any assistance (a check for \$500 and the promise of \$5000 worth of materials, both from chemical companies). It is interesting how unvarying was the tone of the refusals: compliments on our program, regrets that funds were allocated for many years to come, and best wishes for our success in raising funds from other sources.

We have no doubt that the University of Skopje will have better fortune.

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Potto Born in Captivity

The birth of a male *Perodicticus potto* at the Oregon Regional Primate Laboratory on 2 January 1964 afforded researchers the opportunity of recording the first observations on the rate of growth and development of this animal. Once a week since birth the infant has been photographed, weighed, and measured.

Although the animal was conceived in the laboratory, the exact period of gestation is unknown. No information on this subject could be found in the literature.

Since pottos are nocturnal animals, consistent observations of mother-infant behavior, learning, and exploratory behavior were not feasible. The infant

clung to its mother from birth and was nourished by the mother. Though alarmed when separated from her infant, the mother readily accepted it back. When removed from its mother, the infant, even shortly after birth, made clicking, guttural sounds; it also uttered feeble squeals. These were practically the only utterances heard. Pottos are silent animals, and the only sounds audible from the adults are soft growls produced when the animals are frightened or angered. The young animal began to produce such growls and to bite fiercely when it was handled at 130 days of age.

The hands and feet of the young had the adult positioning from birth; the pollex and hallux spread 180 degrees from the three functional digits (III, IV, V). The index finger was reduced (as shown in early x-ray films), and at birth the second toe was clawed as in the adults. The locomotor pattern was well developed at birth and had attained the full adult pattern after 2 months.

The newborn was covered with a sparse coat of white juvenile underhairs and longer, widely separated guard hairs. A strip of light brown hair extended down the middle of the back. The relatively long tail was sparsely covered with hair. The animal had prominent yellow ears and brown markings in the nasal and infraorbital areas. All other parts of the body were pink. After 25 days, new, darker hairs began to replace the white ones, particularly on the head. At 46 days the coat had attained the color and quality of the adult pelage on the head and over the shoulders. At 109 days most of the juvenile pelage had been replaced by the brown coat of the adult. However, white baby hairs still persisted on the forearms, the triceps region, and down the back onto the legs. At this date (130 days of age) this color pattern had not changed.

One of the peculiarities of pottos is an elongation of the spines of the last few cervical vertebrae so that they protrude above the surface and are covered only with a tight sleeve of glabrous skin. The cervical spines, not palpable at birth, became prominent at 30 days.

Growth in weight and length progresses at a steady and remarkable rate in a linear pattern. The animal attained a tenfold increase in weight in 109 days.

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EDWARD DURO

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Center, Beaverton