I am informed by Mr. Paget that persons belonging to the same family often have a few hairs in their eyebrows much longer than the others; so that this slight peculiarity seems to be inherited. These hairs apparently represent the vibrissae, which are used as organs of touch by many of the lower animals. In a young chimpanzee I observed that a few upright, rather long, hairs, projected above the eyes, where the true eyebrows, if present, would have stood.

The fine wool-like hair, or so-called lanugo, with which the human foetus during the sixth month is thickly covered, offers a more curious case. It is first developed, during the fifth month, on the eyebrows and face, and especially round the mouth, where it is much longer than on the head. A moustache of this kind was observed by Eschricht on a female foetus; but this is not so surprising a circumstance as it may at first appear, for the two sexes generally resemble each other in all external characters during an early period of growth. The direction and arrangement of the hairs on all parts of the foetal body are the same as in the adult, but are subject to much variability. The whole surface, including even the forehead and ears, is thus thickly clothed; but it is a significant fact that the palms of the hands and the soles of the feet are quite naked, like the interior surfaces of all four extremities in most of the lower animals. As this can hardly be an accidental coincidence, we must consider the woolly covering of the foetus to be the rudimental representative of the first permanent coat of hair in those mammals which are born hairy. This representation is much more complete, in accordance with the usual law of embryological development, than that afforded by the straggling hairs on the body of the adult.

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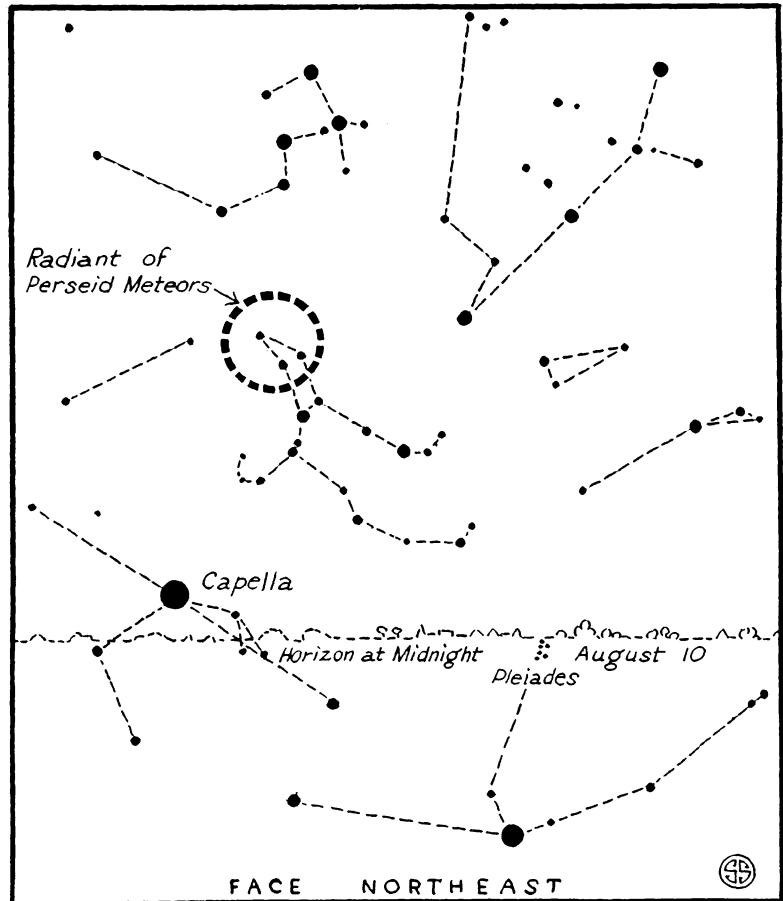

Fear and Flight

were the horses drawing the chariot of Mars, god of war, moving across the heavens.

The Moons of Mars

were named for those dashing steeds: Phobos and Deimos, who swept to battle.

Asaph Hall

describes their discovery in the next "CLASSIC OF SCIENCE"

USE THIS MAP TO GO METEOR HUNTING

If you do so on the dark nights of August 11 and 12 you will achieve best results by getting out in the country away from city lights. First find the constellation Perseus, the apparent center of meteor radiation. You can do so by spotting the star, Capella, one of the brightest in the northeastern heavens. The larger the dots representing stars on this map, the brighter the stars.

Five first magnitude stars decorate the August evening sky. In the west is Arcturus, in Bootes, the bear driver. Antares, in Scorpius, the scorpion, shines with its red light in the southwest. Almost overhead is Vega, in Lyra, the lyre. Below it, to the southeast, is Altair, in Aquila, the eagle; and, to the east, Deneb, at the top of the northern cross, or Cygnus, the swan. The moon, as was mentioned before, is new on the thirteenth. Last quarter is on the sixth, and first quarter on the twentieth. Full moon occurs on the twenty-seventh. There will be moonlight evenings, therefore, during the fortnight beginning about the fifteenth.

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ENGINEERING

Novel Apparatus Enables Trade-Marking of Coal

HOUSEWIVES will be able to choose their favorite brand of kitchen coal just as they do articles at the delicatessen if the trade-marking precedent reported in the *Coal Age* is followed. In order to standardize its product and protect the consumer, a Virginia coal company is giving each lump of coal a distinctive marking.

With the new trade-marking apparatus, the coal from the mine is passed along a trough conveyor and comes in contact with metal arms placed perpendicularly across the width of the conveyor. At the end of each arm is a curved metal piece or shoe which rides over the lump of coal. As long as the shoe is in contact with the coal lump the valve to an attached pressure gun is open and the lump receives a neat band of bright paint.

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