

crab-apple, and grows on the edges of cultivated land, especially in the province of Kinchin. The tree loses its foliage in autumn, but in October it is covered with berry-like fruits. These are gathered, dried in the sun, and then sent to a factory where the wax is extracted; but before this can be done the berries have to be kept at least two years. The longer they are kept the better wax they produce. This wax is much used to adulterate bees-wax in the manufacture of wax-candles, comb-foundation, &c.

Bienenwirtschaftliches Central Blatt (Germany).—Under what conditions the bees work red clover.—A bee-keeper of thirty years' experience draws attention to the fact that last summer (being hot and dry) the bees worked a large field of red clover with great success. What reason can be assigned for this unusual conduct, unless, the season being so dry, the clover may have been much shorter than at other times? The tube of the corolla of red clover has a length of from 9 to 10 millimeters, and the bee's tongue only measures about 6 mill. So the bee can only reach the nectar when it fills the tube to a height of 3 or 4 mill. In rich pastures this occurs when warm fine days succeed heavy showers of rain. The same may be said of the blossom of the common lilac. When small beetles have perforated the corolla tube of the red clover the bees can work the honey it contains. In examining the flower closely, it may often be observed that

a very small beetle has bored a tiny hole in the tube to emerge from it. The humble bee also bores holes in in the clover tubes and in other plants, thus showing herself to be the true pioneer of the honey bee. It may be remarked that the same family of plants does not yield the same amount of honey every season, and this may account for the fact that bees are not found every year to be working the red clover.

Among the changing months, June stands confessed  
The sweetest, and the fairest colors dressed.

## BEE-KEEPERS' EXCHANGE COLUMN

Exchange advertisements for this column will be received at the rate of 25 cents for 25 words, each additional word one cent. Payments strictly in advance as the amounts are too small to permit of book-keeping. Write copy of ad. on a separate sheet from any other matter and on one side of the paper only. Say plainly how many times ad. is to be inserted. Matter must reach us not later than the 23rd of each month.

**HAVE** a Barnes Combined Foot Power Saw. Would exchange for small power lathe or offers. F. J. Miller, 223 Dundas St. London.

**WOULD** exchange well bred White Wyandotte Eggs for a good strain of Barred Rock Eggs or for a few colonies of bees. Wm. Bayless, Grand St., Brantford

**HAVE** a Gents' Bicycle (Brantford Red Bird) in good shape. Would like to trade it for bee Langstroth frames preferred. Frank Adams, Bee Park, Brantford.

**WANTED** to Exchange—Bees for a Hay Thought range, light market wagon, rifle comb foundation mill. James Armstrong, Chesham side.

**WOULD** exchange bee-keepers' supplies bees' wax or light extracted honey. Geo. Shapley & Muir Co., Ltd., Brantford, Ont.



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