

ming instinct in bees Mr. York will, per- for yet maintaining able to furnish him We still hold that does not take place is produced. The fact is not complete ion, until an individ- ble of continuing the al is the queen that as the new mother

is whether swarming ation rather than re- re willing to admit onization" is appro- of swarming. Never- nains that the queen the matriarch, who community, whereof ones are individuals a particular purpose and the remaining ers, creatures whose purpose are sunk in colony.

Mr. York, "a colony year without swarm- in succession being would there be n statement above fur- this question. But such a race of bees! at the swarming pro- sely connected with istinct,—that the two in association and one will mean cer- the other.

ave always regarded arming as being one ant aids to the bee- ssful method of pre- valuable help indeed wants honey. But e have never wished race of bees. Give prolific and efficient, our to find a means

of **persuading** them not to swarm. We will try and give them something else to think about.

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Miss Wilson of Marengo, in the American Bee Journal, writes as follows: "In her salutary, Miss Ethel Robson, conductor of the Woman's Department in the Canadian Bee Journal, makes an unusually strong and convincing plea for bee-keeping for women. Pity that it could not be read by the thousands who are not interested in bee-keeping and yet who might be, instead of being read by the few already interested." Miss Robson's article is reprinted in the A.B.J. in its entirety.

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A new skipper has taken the helm, and the Bee-Keepers' Review is to continue its course. We are glad that such a distinctive periodical is not to go under. The bee-keeping fraternity are much to be congratulated on having a man like Mr. E. B. Tyrrell willing to continue the late Mr. Hutchinson's work. In Mr. Tyrrell we have a bee-keeper of great experience, and as the present issue of the Review proves, is capable of maintaining as its editor the reputation built up by his predecessor. Moreover, in him we find an admiring disciple and, therefore, doubly deserving of the support of the Review's readers. In a letter from the bereaved wife, we learn of the expressed desire of Mr. Hutchinson that in the event of the latter's death Mr. Tyrrell should take over the paper. We wish Mr. Tyrrell every success in his new undertaking.

The best memorial of the late Mr. Hutchinson is his magnificent book, "Advanced Bee Culture." Its moderate price, one dollar, places it within the reach of every bee-keeper, and every bee-keeper should possess a copy.

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Mr. Holtermann furnishes some strong arguments in Gleanings in favor

of the old D. A. Jones uncapping knife. This pattern of knife has as its cross section an obtuse isosceles triangle, and as we ourselves know, it is very much lighter and easier to manipulate than the Bingham knife. Mr. Holtermann well points out that in the case of the latter knife, "when the correct angle is not maintained the knife will either be pressing into the comb or the knife will be held at such an angle that the depth of the capping will be increased." In the case of the Jones knife "there is much more to guide the knife when cutting, and, therefore, is less difficult to keep in a proper position for cutting." The strongest proof of all, he says, is that he has found so many uncappers who by practical experience have found the old Jones' knife to do its work better than the Bingham. We agree.

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"If a queen lays 3,000 eggs daily from May 25 to June 10, she will in that 16 days fill 8 frames full, all but a rim of one-half inch at top and at each side. If she lays daily 4,000 eggs she will in 16 days fill 9½ frames entirely full. But notice, that's only for 16 days, and a hive must hold what a queen will lay for 21 days. Besides, frames are never filled without a considerable margin, for at least some of the combs. If we allow an average margin of one inch at top and sides, it will take 14 frames to accommodate a queen that averages 3,500 daily for 21 days. No doubt many a good queen is badly cramped in a ten-frame hive during the height of the breeding season."—(Dr. Miller in Gleanings.) These striking figures show the necessity for watching the brood chamber carefully during the critical period. The eight-frame brood chamber—and even the ten-frame—is much too small for the purposes of the average queen during the breeding season, and unless the pressure is relieved in some way or another, swarming is inevitable.