while one species makes its nest of clay, the honey of this species being very good.

Mr. Guerin found one of these nests with six queens (Melipona fulvipes). Bates, no mean observer, brought back from the Amazon 45 species of Melipona, mostly new

species.

I know some editors of bee papers who gravely discuss the uses of Trigona and Melipona, and who evidently do not know the meaning of the word "species" I see advertisements in Gleanings like this: "For sale—Hybrid bees, \$4 a hive." Now, friends, this is not so. Nobody has hybrid bees in the United States as yet. Wait till we get Dorsata or Indica here, and there may be a chance to get hybrids.

One of the most painful reflections about the recent death of the great Langstroth is the fact that there is no one to take his place as an author and student in apiculture. I know of editors of bee papers who have never read Reanmur's work, the foundation stone of bee culture. All these things make it difficult to convey to the average bee-keeper just what chances there are of improving practical apiculture by introducing new species (not race-) of bees. The domestic animals of the United States are all introductions; and the introduction of Apis dorsata would probably, in my opinion, be of more importance than ostriches or reindeer.

The more we diversify our business, the more likely we are to succeed. The introduction of a new species of bees would give us a standing in the eyes of the world we do not now possess. What I should expect from Apis dorsata would be:

1. A larger number of flowers visited having deep nectaries.

2. A larger area covered by its greater power of flight.

3. More wax produced.

4. Honey to come to us now going to bumble bees.

5. A greater power to take care of itself

against wasps, etc.

It is, of course, problematical somewhat as to what would be the greatest advantage till we know more about them. Certain it it is, they are valuable, and compare favor. ably with Mellifica. I should be discouraged if I did not know how our own honey bee behaves in the tropics. It is often said that dorsata is migratory in its habits; but our own honey bee does the same thing pretty much. This is news, but it is a fact. A bee tree is not a bee tree very long in the When the rainy seasons come, tropics. enemies of all sorts come to eat their honey and wax, till in sheer exasperation, evidently, the colony decamp leaving his

abode in the hands of its enemy. Bees in

the tropics get no peace.

It may strike your readers as very strange, but flowers are scarce in the tropics. I suppose that Ontario is a better place for flowers than Brazil, under the equator. One of the lies we are taught in childrood is that tropical countries have lots of flowers. Dr. Miller would find wintering quite a problem in the equator—just as much as in Illinois. For months the hees get hardly an ounce of honey. Then they are annoyed by swarms of ants, termites, and moths.

Then Apis dorsata is accused of working nights. So does Mellifica. Beer in the tropics work nights and mornings only, for the very good reason that the vertical sup evaporates all the nectar out of the ubs in the middle of the day. My own less used to fly around moonlight nights in the tropics and no wonder; for a mornlight night in Capricorn is superb; but I could never discover that they did anything nights. On the eastern side of the Auks the little rivulets trickle down the mounting side till about 10 or 11 am, then so altogether for the day. This is about the time bees stop till about 4 p.m., when work is resumed.

Lately dorsata was accused of being a great stinger; but among a certain classon own pet has a similar name.

A great amount of data has been collected about the bees of India; and the government of India has published a book about the bees of India that are kept in hives It we can't do any better we can get the best the natives have, and try them.

The bees of Bhotan are kept in hives, and are different from ours. It seems to me that, if these natives, with their rude hives can keep these bees, we ought to do a little better.

The reports furnished to the government of India show that the bees of that county suffer from moths and men chiefly. The do not cultivate our bees—only European do this. Our bees do not mix with their

Bermuda.

Our correspondent, Mr. Mornson, in his first paragraph, must surely have misuade stood me in what I said concerning Aristod dorsata, on page 390 and 396. On neithe page did I say anything about the "changing the flora" of America. The nearest approach to it was that hey would be "out of harmony with the general flora of America." and this was be endorsing the opinion of that scientist and an authority, Mr. Frank R. Cheshire, a hom I have just been quoting.