thropy is working for its mitigation, true statesmanship is making effort for its entire suppression, through the providing of industrial opportunity. New resources are all the time being developed, and Utah, while possessing many single things that imply wealth. sees in the aggregate a volume of prosperity which time will assuredly open so that "he who runs may read!"

Christmas just past was a grand if peaceful one. Everybody's wants were in the main supplied; and this brief review but anticipates, while wishing for all—

A HAPPY NEW YEAR!

THE BEE INDUSTRY.

The bee industry, like the fruit in dustry, does not receive the care and attention that it deserves. In order to raise good fruit in paying quantities we must fertilize, oultivate and trim our trees, vines, etc. We must and vigorously attack and destroy its In like manner, numerous enemies. if we would be successful in beekeeping, we must take care of and protect the bees. It is not such a great amount of work that is necessary, but it is the little needed attention at the proper make beekeeping a success, the most necessary object is good management. One of the main things to do to ac-

complish this is to so manipulate the bees so as to always keep every swarm strong. It this is accomplished, in most instances the beekeeper will bind this bees a paying investment by being rewarded with a good crop of honey and wax. Again, when the bees are strong they will get through bees are strong they will get through the winter much better, and they will not suffer with spring uwinule nearly as much as weak swarms. Ale, 11 they are strong, they will always protect themselves against their enemies more successfully and when there is

gather it.

As the beekeeper has to meet and combat the enemies of the hees, it will perhaps he as well to name some of them, and also some of the metnous employed to keep them down or destroy them. First of all, and we believe one of the most universal pests bees and beskeepers contend with is the Yet if the bees have oJ moth. Yet bees are strong and if there is bee space under and around the frames inside the bive. the hees as a rule will keep them down. But they are liable to cause serious trouble if the frames rest on the bottom of the hive or if they fit tight to the sides. Mice also will cause serious trouble it they get into the hive in The only remedy is to keep winter. them out of the nive; for this purpose tin or wire cloth can be used to advan-

Another troublesome pest in the Southern and Western states is the aut. They eaten onto and oling to the bee, and seluom let go before the bee is dead. Having had considerable trouble with this little pest, I first put the hiver on stands made of three pairs of legs and two pieces of 214 scantling, 16 or 18 feet long, and a foot or so from the ground; thes I mixed some grease with a little white lend or tar, grease with a little white lend or tar, dwelt on this subject because it is attend to them in the spring—clean just enough to make it stiff, so that it comething which our beekeepers should would not run; then I painted a ring be interested in and we should also be ceding if necessary; give them brine

about two inches wide around each This keeps them off the hives entirely, as they will not go over it; and after it has had two or three coats it will usually keep them off a month or more without renewing. My next move was to try to destroy them. I bave succeeded to the extent that I have not more than one-hundreth part of what I formerly had. I have found the following remedies in the order named good for destroying them:
Cyanide of potassium, one pound, 60
cente; dissolve in five gallons hot
water, sprinkling sparingly on their
nests. Also "Sure Pop" or London
purple: mix dry with one-third part dry sugar. Also carbolic acid and coal oil. They can also be destroyed by mixing them up with water and the soil or by pouring boiling water on them. This ant pest is one of the worst, if not the very if not the very in some localities. worst, pest

Next we find the wasp or vellow jacket a sore trouble to some of our bee-These can be kept down and ReeDere. eventually destroyed by a united and determined effort of the bee-keepers. In the fall of the year when they begin to trouble the bees, take a small plece of wire cloth and tack it over a portion of the hive entrance. If the hive is weak, leave only a half inch opening. The bees will then be anie to detend Then take some themselver. lard buckets or or loke, mix about three parts honey to one part water; pour two or more inches into each vessel and out them where the wasps can find it; after they get a good start with it place a stick or two across the pails and throw a piece of burlap or clotte ver them, giving the yellow jackets a chance to get into the liquid. It there very many of them, if you enough traps they can the they HT6 eaough ti have exough traps they can be caught be the thousand. If the sines of the pails or crocks are smooth they cannot get out-thus they soon die. The liquid should be strained off once each day and put back to catch more. Two years ago, being sorely troubled with waspe, we started in o. a war of extermination against them, never dreaming of achieving such gratifying results, the object being to attract them from and keep them away from from the bees. Though Though many times disheartened and discouraged, we continued the fight. The many times disheartened season closed with about one and a nait bushess of wasps caught with a loss of only two weak swarms. The gailin, and this iall we cleaned them out so close that we did not see mor-than four or five around at any one time. Now if our beekeepers will follow up the waspe with a determaintion, they can soon kill them off, for when the robbers are caught those in the nest Will die.

The bees will not seek the traps as long as there is any honey coming in.

In some parts of the country seasons the toaus trample the bees, but we have hears no complaint from this source. It is easy enough to keep them from the bees by ratalug the hives a few inobes.

We believe these are about all the peats of any serious nature troubling our bees here in Utah. We have dwelt on this subject because it is

well posted as to the best method of preventing and destroying the peste if we would be successful in bee culture. Lt is an old adage that one ounce of prevention is worth a pound of cure. Now then, if our beekeepers will bear this in mind and if they will act at once when they see their bees attacked these pests, thev will it much easier to keep them down and destroy them. It either the ant or wasp ttack a hive of bees in great numbers they can destroy the have entirely in from five to ten days, hence the occesposts and saving the bees. acepers doationd to these little matters promptly they will find it not such a great task after all, and in most in-stances they will be rewarded abun-dantly for their care and attention to the little busy bee.

This takes us back to the assertion that the one great need in beekeeping is proper management. good returns from our bees they must be kept strong, this not all is necessary. In going ar among our beekeepers the necessary. In a around among our past many places dOsaes WB tound strong swarms and still the owner got little or no returns from them. While there are other causes that produce those conditions, we find the principal one is that the bers are kept in little old, rickety hives, having little or no room to store honey, and the bees would be hanging on the outside of the hive. In one place we saw covered with bees that we could only see the covers. We visited one gentleman that had some strong swarms of bees in dry goods hoxes, some of them large enough for three swarms. He cut holes through the top of those and iaid other empty boxes over them for the bees to fill, but the bees did not seem to see it in that way, for while the bottom boxes were mostly full, we found a little boney with one only in the top box. While we do not like toeny so, we find it is the opinion of some of our bee keepers that there are enough bee owners out not enough beekeepers; but like tue fruit industry, a lew seem to be leading out and we believe that in the near future both of these industries will come to the front and will not ouly save but will be a source of sevenue to the Territory. Our bekeepers have a double duty to perform: As beekeepers they are moving to build up the bee industry, and as fruit grow-ers they have to try to instil into the minds of their brother fruit-growers that to cultivate a spirit or cumity against the little tusy tee is not only uno cessary, but is unwise and injurious to the fruit industry, as they are needed for the proper fertilization of many fruits and plants. It has been demonstrated time and again that it is more injurious than beneficial to the fruit to spray trees while in bloom, fuls subject should be investi-gated by our fruit growing friends,

In conclusion we would say to our nee keepets, take good care of the nees through the winter; protect them as much as possible, but give them much as possible, but give them supply ventilation to keep them dry;