....The Canadian Bee Journal

PUBLISHED MONTHLY.

EW SERIES

BRANTFORD, ONT., OCTOBER, IGOI.

THANKS.

hank Thee, Father, for the summer time.

The golden days of glory and delightedays when the glad year is in its prime

Warmed by Thy love, and by Thy smile made bright.

for the peaceful armies of the flowers.

hat hang their banners out above the sod.

ting with sweet scent the passing nours, Id blessing me, I thank Thee, O my

God!

nk Thee, for the rush of mountain treams.

nd for the beauty of the quiet lake; for the generous warmth of dancg beams,

for the world grown happy for ny sake.

k Thee for the long, sweet days

light, for the gloaming with its hues blime:

Thee for past seasons of delight, come to me with the glad sumr time.

MARIANN FARNINGHAM.

POMOLOGIST AND THE BEE-KEEPER.

W. Collingwood, New York, N. Y.

ess before the joint meeting of erican Pomological Society tional Bee-Keepers' Associafalo Convention.

t a bee-keeper, although I my neighbors' bees! I don't pretend to be a pomologist. I'm a plain fruit grower, far enough along in the business to realize that, with all his proud dominion over the lower forces of nature, man cannot produce the finest and most perfect fruits without the help of his friend the bee. That I believe will be the conclusion of every fruit grower who will really study the question.

The relation between the fruit grower and the bee itself are physical. mental and moral. Interfere with a bee's notion of duty and right, and he at once administers a stinging rebuke to those faint-hearted humans who permit others to interfere with their homes and privileges. Perhaps some of you have heard of the young man who said he called his sweetheart "Honey" and in 24 hours she broke out in an attack of hives.

The mental relations appear when a thoughtful man studies the wonderful life and habits of the bee, and the social order that prevails inside the That man must admit that hive. even the civilization that has been inspired by human wisdom falls short of this in some essentials of justice and equity. The moral aspect appears when, in the latter part of summer the bees swarm to your fruits and you try to follow out the principles of the Golden Rule in your relations with the bee-keeper. You learn how much easier it is to be a bear than it is to forbear. One must

WHOLE NO. 440 learn to use the memory of services rendered as oil for the rusty machinerv of patience.

There are two worthy citizens who upset the theories of the scientific men-Jack Frost and Mr. Honey Bee. Ice and honey are two crops which remove no fertility from the soil. A man might cut ice on his neighbor's pond for years, and make a fortune by doing so, yet all his work would cut no ice in the great American game of robbing the soil. The pond will not be injured in the least. In like manner my neighbor's bees may take a ton of honey from my fruit and it may sell at a good price, yet my farm has not lost five cents worth of plant food, nor would I have been a cent better off if the bees had not taken an ounce of the nectar, but had simply acted as dry nurses to my baby fruits without pay or reward. Both frost and bee bring unnumbered blessings to man, yet most of us will spend more time growling at some little injury which they do as they pass on, than we will in praise and thankfulness for all the benefits they heap upon us. I have known fruit growers and pomologists who, when they find the bee sucking some cracked and worthless old fruit, to forget that the bee did more than they in the making of these fruits. If they were in the bee's place, they would probably demand 75 per cent of the finest fruit in the orchard as payment for their labor. Such folks make me think of the housekeeper who found fault with the minister. The good man came into the house of sickness with a message of divine hope and love and faith. He cheered the hearts of all, and yet, when he went away, the housekeeper found fault with him because he forgot to wipe his feet on the door mat, and tracked some mud upon her kitchen What a world this would be floor.

N BEE JOURNAL. OCTOBE 100 if we could learn to judge others not by their little weaknesses, but by their great acts of loving service. If one would look for the ideal relations between the fruit grower and the bee-keeper, he will flud them inside the modern cucumber house of clur The cucumber is "cool" way down to back the courtship of its flowers. Math merly these were men who wen and lov about with soft brushes dusting the is the l pollen upon these bashful flowers. In lization has been found that bees will do the of those be houses now have their swarms dendere bes. Inside the glass house the ild the grower has no desire to throw stone baxes at the bee-keeper, because they both still wear the same clothes, and the man ourage who cannot get on harmoniously with ation himself has no business out of jail. primals say that well knowing that some a self the darkest life tragedies in the gging world's history have been caused bud fear the darkest life tragedies in the gging world's history have been caused bud fear the darkest life tragedies in the gging world's history have been caused bud fear the darkest life tragedies in the gging world's history have been caused bud fear the darkest life tragedies in the gging world's history have been caused bud fear the evil side of a man's nature obtainess, to ing mastery for the moment over a The b good. In the orchard or fruit fan troose the conditions are very differences not Here a man may feed the bees which first belong to somebody else, and he dar a kno not, like the cucumber grower, s thout that the bees actually save him the sterity wages of a workman, which would it winearly as necessary without the the to lab Most men do not, I think, ful diays understand who the be ei s and with what Most men do not, I think, fu idays understand who the bee is and wi wha he really does. Let us state his a t dim fairly. I understand, of course, the is er common facts about the bee must that an old story to those who are he stion The greatest value of such a meet ughtf is the fact that one may talk of hive your heads or through you to rt and thousands who will never join eff TH society, and yet who will profit your work. sabr

THE BEE AS A CITIZEN.

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Man has never tamed the bee as

s not has the horse or dog or ox. These animals have surrendered their freedom and tamely submit to man's dictation, changing even their shape and vital functions at his will. Turn rower hem loose, and after a few hours of clumsy freedom they will come back and beg to be taken under wn to himself loses the savage independence and love of liberty he knew when free is the hills, and at the behavior sheiter-into slavery. Matrid forthe state nulls, and at the behest of civ-rs. It lization puts his neck under the heel to this of those who are morally his inferior. ucum for so the bee. He has never sur-rms d endered the freedom that goes with se the fild things and with se the old things and wild life. Man stons poaxes and partly directs him, but he y both a still untamed and still retains the ie mm ourage and fearlessness which civil-ly with ration takes from the heart of most jail, mimals, including man. Left to ome a self the swarm of bees will not come in the agging shelter from man, but gladly used bud fearlessly fly off into the wilder-obtainess, to live as its ancestors lived. over the The bee starts with the scope and

wer, a the set of the states when the bespectation in the set of t rpose of its life work clear. It what? Simply for the future, t dim, mysterious time for which is ever prompted to provide. I Irse, th that the mental side of this must stion will present itself to any tre he ughtful man. Truly the lesson of meet hive goes deep into the human alk of rt and soul. ni to

THE BEE AS A WORKER.

s a boy I was brought up on the sy bee" theory. The old man considered himself responsible my industrial training gave me to understand that the bee is a tireless worker, who toils for the love of it and never quits. He wasn't trying to get me interested in the study of natural history-he was trying to get me to realize that someone loved to work-and he knew that he didn't. I am sorry to break down this ideal of childhood, for I have searched hard to find something that has no blood of the shirk in its veins. I can't tell my children the old, old story, for they will soon know that most bees in New Jersey appear to start work at 7.30 to 8 a.m., and knock off at 4 p.m. On wet days they usually quit entirely. This is much like the average hired man, who will take advantage of a light sprinkle to come in and sweep up the barn floor. The bee works on Sunday while the hired man rides his bicycle. When the bee does start, he keeps at his work, while the hired man stops to look at the clock.

When you tear down the childish ideal of the busy bee, and find that it has some of the bad habits of mortals you do not destroy the whole picture. That would be true with some men, but with the bee it only brings to view a higher ideal than ever. The bee does a fair day's work and then goes home and puts in a part of the night. A man after doing his work in the field will hardly help his wife wash the dishes after supper, but the bee works like a slave through the dark at the wonderful task of manufacturing honey. The short day of hard and consistent work furnishes enough for the hive workers. If all all men worked as the bee does with as fair and just a division of labor. what a world we would have! The short, hopeful day's work would be sufficient if the idle and the rich would cease to live on the earnings of the overworked poor. The society in the hive permits but few drones,

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and kills them off as the winter comes on, while human society increases the number. Thus as we grow older we find that the bee is not the poor, aimless drudge we thought him, but rather one who lets his wits save his wings.

THE BEE'S GOOD WORK.

We can easily forgive the bee his short working day, when we consider the good he does. People talk about the wind and other insects in fertilizing our flowers, but I am confident that any man who will really take the time and pains to investigate for himself will see that the bee is nearly the whole story. I have seen the cer-tain results of his good work in a neighbor's orchard. Those bees "broke the trees" down just as truly as though they had climbed on the limbs by the million and pulled at them. The appearance of those trees after a few years of bee-keeping would have convinced any fair-minded man that our little buzzing friends are true partners of the fruit grower.

It has been said that the bee does not do this work because he wants to. He is pictured as a greedy, selfish fellow, born into the world with a single idea, who dusts his jacket with pollen and does his work as dry nurse simply as an incident. Nature puts the brushes on his legs and stomach, and he cannot help using them. Here again he is not unlike men. Most of us fight and slave and toil for our own selfish ends. We try to shake the good intentions out of our jacket, and a large proportion of the good we do in this world is done as a side incident, as we press on to accomplish something for ourselves. To my mind this is only another illustration of the wise and beautiful provision of Nature to lead the bee on from flower to flower with some motive of personal gain, and in this way

compel him to do his work for pomol. I would that humans who toil ogy. even past the alotted years of man's life, after wealth and power, might as surely leave behind them perfect fruits for the toil of others. The stout legs of the bee as he crawls from flower to flower, kick life into the baby Surely with this in mind the fruits. or foo pomologist can have nothing to "kick" ave I about. eighbe

But ambition and the gratification of personal desires lead both bees and men to scatter evil as well as good. All wings, except those d angels, attract and will carry the germs of evil if they rub up againstit It is quite likely that bees will carn the germs of pear blight from one tree to another-perhaps in quantitie sufficient to spread the disease. Leta admit that, and yet no pear grow e fru who knows his business would have ho wil the bees stay entirely away from in fact trees. The bee also injures fruit to ore th There may be time certain extent. mans when he leads in this bad work ely t When he does, he is starved to it. ding he were fed at home, as every oth r woi farm animal would be at such a time per, he would seldom do the mischief. I come ordinary seasons I find little fan t it p with the bee for sucking this crack od pas and broken fruit. We really oug to thank him this year for deliven us from the temptation to pack the Before worthless culls in the middle of e cle Our bee-keeping fries barrel. nestic tell us that there is always somen ons b cal that goes ahead with a puncha V cle breaks the skin before the beet fle suck the juice. The yellow jacks stion said to be the culprit, and he d bro safe one, for nobody cares to an ded. the point with him. I don't like con hiding behind a yellow jacket. a co too much like the way some of the lard Christian nations have acted in Ch ers Li Hung Chang and other ye e for jackets before him have robbed fter

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moltoil is no excuse for the looting and s no excuse for the looting and tealing on the part of white men. ht as Should not the bee-keeper feed his rfect bees when their natural food is scarce The and they really injure fruit? When I nd they really injure fruit? When I from reglect to feed my dog at home, and baby reruns to the neighbor's back yard d the or food which might feed the pig, kick" ave I a right to complain if the cation and My neighbor his legal privil-

cation ge? My neighbor ought to remem-bess her that it was my dog's bark that rell as anned the hide of the tramp that ose of rightened his children, but some y the righbors are not built that way. institutes are not built that way. institutes are not sure that home feeding Letus ould keep bees entirely away from growe the fruit. There are human beings d has no will run out of the best of homes. from the fact the more you feed them the ruit to gre they run. Bees are much like to the fruit a systematic method of o it. ading during honey dearths in sum-y other would eventually pay the bee-a time the prist as many dairymen have hief. I come convinced against their wills ile fan at it pays to feed gaain to cows at crack of pasture. ly out eliver. THE BEE AS A LAWYER. ge? My neighbor ought to remem-

THE BEE AS A LAWYER.

ick the Before the law the bee appears to e clearer rights than any other estic animal. Recent legal deons have made the bee's position v clear. In one noted case the s flew into the orchard and unstionably worked upon or damd broken fruit. Tne jury finally to an idea do broken fruit. The jury finally to an ided, and I think justly, that the t like scommitted no real damage, yet ket. It a cow or a hog broken into that ard and eaten that same fruit the ers would certainly have been e for damages.

robbed fter reading the literature of the

subject with great care, I think I am justified in saying that the bee has fuller and more complete legal protection than any other domestic animal. Why should not this be so, since even in its wild state, untrained or directed by men, the bee is led by its very instinct to labor for the benefit of humanity? Certainly no wild animal works for men as the bee does, and no domestic animal accomplishes so much without direct harness or guidance.

Invoking the law against bees is running up against a hard proposition. Laws have been passed against spraying fruit trees while in bloom. They are intended to give the bee These aws have legal protection. actually led some tough old fellows to spray at just that time, so as to kill the bees. The law was a suggestion of slaughter to them. Some men are so perverted that they see a wrong and coddle it as a "personal right." These laws have helped the fruit grower more than they have the beekeeper, because they have led the scientific men to investigate and tell us why it is a mistake to spray too early.

It appears to have been settled that, before the law, bees are to be considered domestic animals-not naturally inclined to be offensive. A fair synopsis of the bee's legal status is about as follows:

Bees kept by regular bee-keeper ι. have become absolute property as domestic animals, and therefore enjoy legal rights.

The bee is not naturally savage. 2. It is no more likely to commit serious damage or mischief than dogs, cats, cows or horses.

The law looks with most favor 3. upon those animals which are most useful to man. No animal is of more actual service to man in proportion

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to his size and the mischief it commits than the bee.

After bees have been kept in a 4. certain situation for a reasonable time without serious injury, it cannot be said that it is dangerous to keep them there.

The bee keeper becomes liable for injuries done by his bees only on the ground of actual or presumed negligence.

This seems to give the bee a clear field to go ahead about his business in his own way. It must be said that this strong legal position of the bee is largely due to the fact that beekeepers have picked up some of the traits of the bees. When one of their number is attacked they do not sew up their pockets and run off with their share of the honey-and as much more as they can get! They fly at once to the defence of their comrade, and make, not an individual, but a society matter of it.

The fruit grower will obtain little satisfaction in a lawsuit against the bee-keeper. The bee is too good a friend of the judge. The relations between these two classes should be settled not by the scales but by the Golden Rule. Every man who receives a benefit should remember where the benefit comes from. The bee keeper might say with truth: "It is true that my bees feed upon my neighbor's trees, but they have not injured his farm because they took no fertility away! He has no reason to kick because they kicked life into his fruit buds."

This is all true enough but it is only one side. The fruit grower may say :

"These bees have increased my crop of fruit, but have they not been well paid for their work. I fed them and the money in their owner's pocket comes from my farm !"

Two classes of men with interests

which lap and nick in this way should never fight, for when one of them hits the other in the nose he is sure to blacken his own eye. They should recognize their mutual de pendence and treat each other fairly. The bee-keeper may say that the law gives him a right to put his hive as suc close to another's dwelling. Still # should that location is offensive to his neighustice bor, the law which is higher than the decision of any human judge should lead him to put them elsewhere. have heard of an old farmer who in Can th sisted on keeping a brindled calf tie On on his lawn. The calf was in even asp's way offensive to his neighbors, and ombs he had ample space for it behind the isease barn, but he thrust that calf under tics the very noses of his neighbor onsid because the law said he had a right nd in to do as he pleased with his om ppin That man, like many others, figure rown that such magnifying of his leg the rights geve increased dignity to h her i personal rights-and what a foolis the mistake he made. The man w me h will use his legal privileges as neat offensive weapon against others, whe ere d it should be drawn only in defence se wi true principles, is not a true pom ve h logist or bee-keeper. wa

I regard the raising of fine fruits the training and rearing of bees the highest types of soil culture, a hence of human industry. He can direct and watch the slow den opment of the perfect fruit, lovingly guard it from plant dise and injurious insects through long road to perfect maturity; and who can patiently and skilling guide and train the honey bee through its long summer's work-such enoble and dignify labor,

Their work may be hard and Their hands may be hard stant. rough, but the callous of the pale not the badge of servitude, but honorable scar from labor's ba , tc

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way field. Such men are not mere way held. Such men are not mere he of drudges, with body and spirit broken he is on the hard wheel of labor; but, deal-They ing with the fine and most delicate l de problems of nature, they keep step airly, with the Creator—they are in direct e law partnership with God himself; and, hive as such partners, they, of all men, itill if should be guided by the wisdom and neigh justice of the Golden Rule. an the

FOUL BROOD.

Can the disease exist among Wasps?

the in can the disease exist among Wasps? If tiel On August 3, while destroying a i even wasp's nest, I found in some of the rs, an combs unmistakable evidence of a ind the isease possessing all the character-undentics of foul brood. There was a ghbon considerable quantity of sealed brood a right and in many cases the snow white is our apping had been stained a dark figure frown colour, and the viscid contents is leg of the cells possessed the smell and y to be ther indications of foul brood. Many i fools of the unsealed larvae were dead; han we mead dropped out upon the comb is as a meath, and, on the whole, they ers, we been due to the porosity of the ell walls which were stained dark el walls which were stained dark iruits nown. Foul brood has been known f bees nexist for about three years among ture, a ces in the locality in which the He m asps' nest was taken. While bee-ow den epers may view with equanimity, ruit, a maps not unmixed with satisfac-nt dise in the destruction of wasps by so ough al a disease, yet, in view of the ty; and athat wasps so frequently approach skills deven enter hives, they may be ee three means of spreading foul brood -such a dirender futile all our efforts to get of it. It is from this point of walls which were stained dark of it. It is from this point of d and d w that I would ask those of your e hard ders who may be destroying he pals ps' nests, especially in neighbor-ie, but ds where foul brood is known to pr's but t, to examine the brood for signs

of disease before burning it. The simplest way to destroy a wasp's nest or rather all life in it, is to pour about 2 oz. of carbon bisulphide into the entrance, which should then be carefully closed. The vapour soon kills all the wasps, and the combs can then be dug out and burnt. The carbon bisulphide should not be ignited; its vapour is much more poisonous than its products of combustion.-Walter T. Reid in British Bee Journal.

Splendid Honey Exhibit.

We note with pleasure the following item in the Ottawa Valley Journal:-The largest honey exhibit ever made in the dairy building at the Central Canada Fair is that of Alex. McLaughlin, of Cumberland, Ont. Mr. McLaughlin has been showing in Ottawa for three years, but this year he has over two tons of honey, which makes a lovely display. The judge stated it was the largest exhibit he ever saw, and many say the comb honey far surpasses any seen at the Pan-American. The exhibit deservedly carried off seven first prizes and the diploma, and the whole has been sold to local dealers, so citizens may watch for the label and know they are buying and eating the finest honey in Canada. The honey is all light in color and is remarkably thick being equal, if not better, than the best ever before shown at any Canadian exhibition. The exhibit is tastily arranged, and Mr. McLaughlin has a constant stream of admiring customers.

We congratulate our friend Mc-Laughlin.-Ed.

Have you hives and surplus cases all alike ; it saves time.

OBER 1901

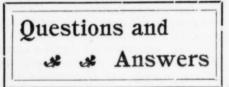
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THE CANADIAN BEE JOURNAL



[Questions to be answered in these colums should be sent to us not later than the 15th of each month in order to insure their answer appearing in the following issue. We wish to make this department as useful to our readers as possible and a reliable source of information. For the present at least the replies will be procured from various sources.]

Replying further to the question asked by H. F. H. (Quebec) in last issue, which do you consider the best introducing cage? We give a cut of the "Miller" cage (favor A. I. Root Co.,) and copy the following from the A B C of Bee Culture :--

"MILLER'S INTRODUCING CAGE."

"It is very convenient to have in the apiary small cages for introducing, as well as for caging and holding queens that come out with swarms until they can be introduced or dis-



posed of. The one above illustrated is the best of any. It is especially handy for introducing young virgins. The cage is so flat it can be slid in at the entrance, without even removing the cover of the hives, and the bees will release the queen by the candy method. But when introducing fertile or valuable queens I would recommend inserting it between two combs. Draw them together until they hold the cage. The queen thus acquires the scent of the combs, brood, and of the cluster, and hence when released be more likely to be accepted. I copy its manner of construction from Dr. Miller's own words:

"Take a block 3 inches long, I_4^1 wide, and 3-8 thick: two blocks 1 inch by 7-16 x 3-8: two pieces of tin about an inch square; a piece of wire cloth $4\frac{1}{2} \times 3\frac{1}{2}$; two pieces of fine wire about 9 inches long, and 4 small wire nails $\frac{1}{2}$ or $\frac{5}{8}$ long. That's the bill of material. Lay down the two small blocks parallel, $\frac{3}{8}$ of an inch a part, one piece of tin under, and one over them. Nail together and clinch These two blocks, being 3-8 inch apart, make the hole fill with Good honey, w candy, through which the queen is tween the state of the s

For an introducing-cage this is the stran ahead of anything else I know. In will defen our apiaries we use it exclusively. In selec Another feature of importance to be work, ch ginners is as a queen-catcher. It ar workers t be set down over the queen after the home ag wooden slide is removed, and when bees. T she crawls upward the plug is n carrying a placed."

Feeding Back Unfinished Sections Fred H. Fargo

Having for several years practice the following described method is secure the completion of unfinish sections at the close of the hore gathering season, it may be of bea fit or interest to some who might h to experiment by trying the plat as every apiarist has generally a go many sections that if complet would bring better prices to the p ducer and sell better in the mark

The honey to be fed back; whi may consist of unfinished sections any combs of suitable honey, in three to four pounds in quantity, daily placed in a hive (the entra to which must be contracted to an only one or two bees at a time) an rods from the apiary, and not age distance from the colony upon an are placed the unfinished sections be completed. A section of he bruised so that the honey is read run, and covered with bees is a taken from the colony upon a

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are plac and place honey to section o alighting until suff are takir place in t These I home and tween th carrying the stran will defer In selec arrying : ed by be ny acco ha defer When a alse it up nished se I have ete 125 ove ma Several is way, d forth ves.-B The foll ney wa A. Pule Victor

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are placed the unfinished sections, and placed in the hive containing the honey to be fed. Or we can place a section or piece of comb honey on the alighting board and leave it there until sufficient bees from this colony are taking from the honey, then place in the hive as above stated.

These bees, thus carried from their home and placed in a hive containing honey, will work back and forth between this hive and their home. carrying the honey to the latter, and the strange part of it is that they will defend both homes from robbers. In selecting the colony to do this work, choose one containing good vorkers that will protect their own ome against the intruding robber The fact that the work of bees. arrying away the honey is commenred by bees that are all from one colmy accounts from their combining h a defence of the spoil.

When a super is nearly completed, alse it up and place another of uninished sections underneath.

I have had a single colony comete 125 to 150 sections in the ove manner.

Several hives may be arranged in is way, each colony working back d forth between the respective ves.—Bee-Keepers' Review.

Australian Honey.

The following report on Australian mey was made by John Higgins, q. Pylee, Somerset, England, to Victorian Convention :—

Comparing with English honey, I hk the Australian has the greater etening force.

here was no indication of crystals andying in the samples. In fact, it may be called the texture med to have the fibrous or glycerlike quality in its perfect smoothness. It was rather more glucinous or tenacious than British, Swiss, or American honey usually is.

This might arise from its condensed sweetness, owing to the honey having been gathered in a hot climate and so to have lost some of its watery constituents, by the action of the dry hot Australian atmosphere.

We find in our cooler and moister land, that the honey gathered in a cold season is thinner and lighter than that obtained in a hot summer.

Comparing these honies with some English samples I found the smell of them very distinctive. The Australian had a heavy acid odour, the English a sharp pungent smell. I have tested several lots of English honey for this quality—or defect and each yields this malice or acetic acid effect, mixed with a slight scent of flowers.

All the three samples of Australian honey have also their distinctive odour, which to me appeared like a heavy pryoligneous or wood acid smell, not so pungent as in the English honey, but unmistakable.

Probably those accustomed to the one sort, would acquire a preference for that on which their tastes had been formed, Australians preferred their own richer honey to other lighter sorts which we on this side of the equator have and like best.

I have found that the strong heavy honey gathered in the height of the season keeps better than the clear, early, light spring honey, though the latter is the nicest to eat. I am inclined to think that Australian honey would also be nicest when taken early in the seeson. — Australian Bee Bulletin.

The best thing to do in connection with bee business is to keep more bees.

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THE CANADIAN BEE JOURNAL

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BEE **IOURNAL** CANADIAN

Devoted to the interests of Bee-Keepers, Published Monthly by

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'BRANTFORD - CANADA

Editor, W. J. Craig.

OCTOBER, 1901.

EDITORIAL NOTES.

The Dead President.

We would voice the sentiments of our people in expressing our indignation at the foul treachery and crime that has robbed our sister nation of her noble son and wise and good ruler. Our sympathy is with them in this their hour of mourning, and with the gentle and delicate lady who is left widowed and alone.

The National Bee-Keepers' Convention

held at Buffalo on Sept. 10, 11, 12, was an unqualified success. As was previously announced, the exercises consisted principally of questions and answers. We were afraid at first that this kind of program would become monotonous and tiresome, but the interest continued right through, and very much valuable information was imparted. Mr. E. R. Root proved himself an ideal chairman, and perfect order and great good humor prevailed during the sessions. Dr. A. B. Mason

the genial secretary, has a happy faculty of making people feel at home. We Canadians were treated with the greatest possible courtesy and consid. eration; pleased to say we had a good distribt representation. Among those present carryin we noted : Mr. John Newton, presidorchard ent of the Ontario Association; Mr. I. shows D. Evans, vice-president; Mr. James ctive a Armstrong, second vice; Mr. Wm. ion is Couse, secretary; Mr. Wm. McEvoy, nd th Inspector of Apiaries for Ontario; ound Mrs. McEvoy, Mr. W. J. McEvoy, aught Mr. F. A. Gemmell, Assistant In- aid, hc spector; Miss Gemmell, Mr. John andpo Fixter, Dom. Exper. Farm, Ottawa: ormal Mrs. Stuart, Mr. A. Laing, Mr. D. W. on of | Heise, Mr. George A. Deadman, Mas ation ter R. Deadman, Mr. Jacob Alpaugh hether tbalar at "th Mr. F. J. Miller, Mr. Joseph Beaudry, Mr. R. F. Whiteside, Mr. R. H. Smith at "th Mr. Edw. E. Dickinson, Mr. and Mrs th the Bowling, Mr. and Mrs. Howard, Mr. Juit T Sam'l Wood and grandson, Maste of. S. Walter Scott. oke o

ntical Not the least interesting part d nu the Buffalo Convention was the joint that meeting with the American Pom bloc logical Society. Very excelle mina papers were presented at that me W. ing on subjects of vital importance al N both industries. Professor Jam and Fletcher of the Dominion Experime htes tal Farm Ottawa addressed the d for sociations on the value of honey be ndel as fertilizers of blossoms. "Bees a CODV Pear Blight" was dealt with by P g it fessor M. B. Waite, Assistant Ch of the Division of Vegetable Phy 1 thur ology and Pathology, Washing ticat This matter has been causing of

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siderable friction between the fruit growers and bee-keepers of Central California ; the bees there are charged with being largely responsible for distributing the germs of the blight, carrying it from infected trees and Professor Waite's paper orchards. hows that bees are certainly very [r.]. ctive agents in this, that the infecames ion is brought through the nectar, Wm. nd that infected nectar has been Evoy. ound in the mouth parts of bees itario; aught on infected blossoms. He Evoy. aid, however that from a biological it Inandpoint the bees are doing their John ormal natural work in the fertilizattawa on of blossoms through the dissem-D. W. ation of pollen; and to the question 1, Mas hether their beneficial effect counpaugh balances their injuries, would say audry at "the fruitgrower cannot dispense Smith th the honey bee." "Spraying of nd Mrs uit Trees", was treated upon by rd. Mr of. S. A. Beach, Geneva, N. Y., he Maste ke of the interests of the fruit wer and the bee-keeper as being ntical and stated that "bees are part d nurses, nurses to baby fruit" the join that spraying fruit trees when in 1 Pom bloom hinders or prevents pollen excelle mination. The address by Mr. lat met W. Collingwood, Editor of the)rtance al New Yorker, on the "Pomologor Jan and the Bee-Keeper," was the xperime atest number of the session and d the d forth rounds of applause. We ioney b ndebted to Mr. Collingwood for "Bees opy and have much pleasure in th by P g it in full in this issue. tant C

Prepare for Winter.

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thur C. Miller, writing in the ican Bee-Keeper on "Preparing bees for winter" says that "given abundant stores and time to fix things to their liking a good colony will winter under all manner of conditions." Perhaps this is putting it a a trifle strong, but certainly the abundance of stores-good stores-go a long way in the solution of the wintering problem. An abundance of honey dew or fermented fruit juice will not do, as many of our Canadian bee-keepers found to their loss last winter and spring. A thousand times better to take out the stuff, give them empty combs and feed up with sugar Honey dew may serve as syrup. food when the bees have a chance to fly, but it certainly won't do in confinement.

Keep More Bees.

Editor W. Z. Hutchinson, reviewing his visit among the bee-keepers of southern Ontario. says:

"For years bee-keepers have been asking how to do things, and the matter of manipulation, hiving, supering, extracting, etc., has been brought to a high degree of perfec-Specialists can better afford to tion. turn their efforts in some other direction than that of petty details. Great success must be looked for in some radical change. As I bring before my mind man after man whom I have met on this Canadian trip, I ask myself "which ones have been the most successful?" Invariably the answer is forced upon me, "the ones that have the most bees." It is a simple thing, isn't it? But isn't it just what we ought to expect? I fear some of

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my readers don't realize the fever in my veius, the longing that comes over me, as the result of this trip, to go home and establish and manage a series of out-apiaries. Under the circumstances I don't think it advisable, as I should be overburdened with work, and the Review, the bees, and myself would all suffer. I think my mission in life is to encourage and help others to make a success of bee-keeping, and in no way can I do this more effectually than by opening their eyes to the opporturities in the direction of keeping more bees.

The O. B. K. A. Exhibit.

When at the Buffalo Convention we had the pleasure of visiting the great exhibition. We will not attempt a description of its magnificence, will pass it over by merely saying that 'the half has not been told," and advise those who have not been there not to miss seeing it before it closes. We found the Ontario Honey Exhibit on the gallery of the Agricultural building, a very neat display, of excellent quality, and as far as we could judge it compares favorably both in attractiveness and quality with the American exhibits, yet it is not nearly what we are accustomed to see at the Toronto "Industrial."

The Committee has been somewhat handicapped through insufficient donations of comb honey. There has been an abundance of extracted sent in. Mr. John Newton deserves credit for the neatness and order of the display. Mr. James Armstrong is now in charge. The following is a list of the contributors and contributions:

J. E. Holt, Newton Robinson, Ont. extracted clover honey.

John Newton, Thamesford, Ont, N. B. extracted clover honey, comb honey, ccasio comb foundation and beeswax.

H. G. Sibbald, Claude, Ont., ex. tracted clover honey, basswood honey and comb honey.

Alex. Goodfellow, Macville, Ont. extracted clover honey.

M. C. Beaupre, Simcoe, Ont., er he aud tracted clover honey.

Dennis Nolan, Newton Robinson Ont, extracted clover honey.

W. J. Brown, Chard, Ont., entracte clover honey and beeswax.

Samuel Wood, Nottawa, extract And clover honey, basswood honey and dree beeswax.

H. E. Gale, Ormstown, Que., e hen b tracted clover honey and comb hone Tisb

John Pierie, Drumquin, Ont., e tracted clover and basswood how Hurry J. F. Switzer, Streetsville, or Make

comb honey: Cook

H. D. McLaughlin, Vankleek H Lots c extracted clover honey.

James Armstrong, Cheapside, 0 The b, extracted clover and comb honey, sweet

George E. Saunders, Agerton, 0 extracted clover and basswood ha and comb honey. Ye ev

Wm. Couse, Streetsville, extra weetclover and basswood honey.

George E. Johnston, Bracebri Ont., extracted clover honey.

Robert H. Smith, St. Thomas, Co extracted clover honey, comb ho honey vinegar, and several article bee-keeping supplies. George Wood, Erasmus, Ont. Onta:

George Wood, Erasmus, Ont. Data tracted raspberry honey.

W. A. Chrysler, Chatham, Ont tracted clover honey, comb for tion and beeswax. I. D. Evans, Islington, Ont

J. D. Evans, Islington, Ont tracted raspberry honey.

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Buckwheat Cakes and Honey.

The merry convention song of the N. B. K. A. was composed for the occasion by its poetical general manoney, ger, Hon. Eugene Secor, Forest .., ex-City, Iowa, and the music by Mr. honey Geo. W. York, editor of the American ee Journal. Mr. York, who has Ont xcellent musical abilities, favored he audience with a rendering of the it., ex iece, and afterwards led them in its binson inging.

Then e'er I pass a scented field itracte Of buckwheat, late in summer, know the blossoms nectar yield And watch each laden "hummer." xtracte ney at and dream of what the winter'll bring When days are not so sunny,

hen bees no more are on the wing, Tisbuckwheat cakes and honey, Oh

CHORUS.

d hom Hurry up the flap-jacks.

le, Or Make the batter "runny"

Cook 'em quick, and bring along Lots of cream and honey.

ugh at Boreas when I know he bees have stored a-plenty honey, sweeten all that come and go, rton,0 % matter if it's twenty. 'ood ho Bossie stands knee deep in straw, ve ev'rything but money-

weet-heart wife whose love is law, nd, buckwheat cakes and honey, 0h,-[Cho.

COMMUNICATIONS.

or C. B. J. :

ar Sir,-The annual meeting of Intario Bee-keepers' Association be held in the city of Woodstock in December, at a date not to act with the dates of the fat stock at Guelph. The Programme ittee have decided to invite the ing gentlemen to take part on ogramme :

Professors Fletcher, and Shutt, of Ottawa, and Professor Harrison, of Guelph; Messrs. Hutchinson, editor Bee-Keepers' Review, and Root, editor of Gleanings.

The above gentlemen are to be invited to give papers or addresses on any subjects they may choose.

President Newton will give his address. H. G. Sibbald, Claude, will give a paper on "The management of Apiarles and Prevention of our Swarming." R. H. Smith, St. Thomas, paper on "Exhibitions of Honey." Wm. McEvoy, paper on "Hits and Misses on Foul Brood." J. F. Fixter, Ottawa, paper on "Experiments." J. H. Shaver, Cainsville, on "The Production of Comb Honey."

It was decided to hold a banquet on the evening of the second day. There will be a question drawer at all sessions It is hoped to have the programme complete very soon and printed in pamphlet, and copies sent to all members and any others interested.

I am, yours truly,

W. COUSE, Sec.

Streetsville, Sept. 26, 1901.

Feeding Back.

S. E. Miller.

This article will be too late to be seasonable, but as it is more fresh in my memory, I can give the facts more minutely than I can perhaps nine months later.

It is not as pleasant to report failure as it is to publish our success, but as it is sometimes worth as much to know what not to do as what to do, I will give what might be considered a failure, so that the readers may profit by not doing as I did. July 5 I put on one of my best honey gatherers and comb builders, three supers containing eighty sections. On top of these I placed a Miller feeder, and gave them eighteen pounds extract.

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ed honey, diluted with five pounds of water. By the evening of the sixth they had cleaned the feeder. After that I gave 16 pounds honey to 4 pounds water, and continued to feed them as often as they emptied the feeder; but after the first feed it took them from three to four days to empty the feeder. By July 20 I had given them one hundred pounds of extra fine extracted honey (chiefly white clover), worth to me IOC per pound. On that day I removed the supers, and the feeders, which contained $7\frac{1}{2}$ pounds of food, or the equivalent of six pounds of extracted honey. They seemed to have almost entirely quit working on the food at this time ; hence they had consumed in cramming their brood chamber. putting some in the sections, and having a general feast, ninety-four pourds of my finest extracted honey. Here are the results :

Gross weight of supers and sec-

tions, when put on 22³ lbs Gross weight of supers and

sections, when taken off 70 lbs

Net gain from 95 lbs. extract-

ed honey consumed47‡ lbs It will be seen from the weights

given that the sections are not as complete as they should be. I have not taken the sections out of the supers to examine them and see how they look, as I am not as much interested in the work as I was at one time. The only way I can see to balance books with this colony is someteing like this. (The number of this colony is E5).

July 5 to 20-To 94 lbs ex-

tracted honey at 10c...\$9 40 July 5 to 20-Time con-

sumed, feeding etc... 40 July 20-By 47[‡] lbs comb hon-

ev at 15c..... \$7 09 July 20-By experience 2 61

\$9 70 \$9 70

The comb honey is not worth 150 per pound, as the sections are not al How 1 complete, but if I do not allow Mr and bree E5 that much, my experience will much d come too high.

I allowed them seven frames in hat of r the brood chamber, and should have ast rule reduced it to four or five frames reduced it to four or five frames. ary. (

reduced it to four or five frames. Pary. (gave them too many sections to sign: work on. I gave them some section easons-containing only starters, and should use in have given unfinished sections only ill det I see by an article in Gleanings or tekeep August I that Editor Dooliitle's ense his perience in feeding back has been responsioned in the same conclusions that have the all about the same conclusions that cided have, viz.: that the thing soon gended old with the bees, and they seem turing think that a big feeder full of home is yet upstairs is about as soft a thing teens, they want. They apparently contate. clude to have a sort of a protrate at pi "feastable," as the negroes say, while bduce evidently they think will last alway years However, I am not ready to given turn. However, I am not ready to given ümn: and if the bees and I live to see whi honey harvest next year, I intend OWS buy me some more experience, en In : if it does come high. Is it not p not sible that I fed in the wrong more nt cc

I thought that by this heavy fe ing this colony would likely take swarming fever and rear some go drones, which I very much need just at that time, but if they had a fever, it must have been a milda for I only found a very few da larva scattered around through hive, when I removed the supers de then placed a frame containing a half drone combs in the center of brood nest. This might have won had I not been a lobster and put feeder back on with the remaining pounds of food. Upon examinat about two days later, I found drone comb nicely filled withcan't guess what? Why, with ho of course.-Progressive Bee-Ke

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Queens for Comb Honey.

How long a queen should be kept nd bred from has been a subject of nuch discussion and disagreement. Ve believe from our experience, and hat of many others, that no hard and ast rule can be laid down. Oueens ary. One may be prolific and show o signs of failing for four or five ns to 0 signs of failing for total to be the ection asons—we have seen this to be the should use in our own yard—while another ill deteriorate in two or three. A ings i tekeeper must observe keenly and le's et se his judgment in the matter. A is bee prespondent writing to J. M. Doo-reache the along this line says: "I have that cided that every colony that is inthat reduct that every colony that is in-on ge nded to be run for comb honey seem to ring 1902 must contain a queen of of hont is year's rearing. I desire good thing eens, that my stock may not deter-tly contate. In view of the foregoing, rotract hat plan can I follow in order to ay, while oduce the best results for a series st alway years? Please tell me through the origet humns of the American Bee Journal." umnsof the American Bee Journal.") giver e to set OWS : intend

intend a ows: ence, et al. In answering this, I must say I it not a mot conceive what line of argu-ong mot at could have been used to bring leavy fee questioner to a decision that he ly take add not allow a queen over a year some go in his apiary, which was to be run uch need comb honey, and cannot help ey had a king that when his experience a milda mulates, he will find that his is few do asion is not well-founded; for through ans which are in their second the supers and fully as good work as younger taining a where the colony is worked for where the colony is worked for b honey, and often are equally the third and fourth year. e who have read the Canadian ournal for February, 1901, and ured up what is found there queens, will have a "feast of I found things" to revel in for some time ne, along this matter of queen-g. There. Mr. I. P. II. in the second 1 withy, with ho e Bee-Kee g. There, Mr. J. B. Hall, than

whom the world can not boast of a greater apiarist or more practical comb-honey producer, has things to say about prolific queens which it would be well for all those to heed who have considered that prolficness in queens was the ne plus ultra. Among other things he said was this:

"I want longevity in my bees; I want that first and foremost; that is why I don't want to replace my queens every year, because if I do I must kill them, and I don't know what to kill. If I keep them three or four years and they have done good work for four years, wintered well, given me comb honey and in good shape, that is the kind of queens that I want to rear others from." And in reading that, from the foremost practical comb-honey producer of the world, I said right out loud, "Amen." Working along that line means a constant improvement in our bees, while resolving that each colony must have a new queen every year, has not a single element of improvement in the whole "shooting match." Besides the above I find, as a rule, that the bees will supersede their own queens as soon as they begin to fail to any appreciable extent; and when the bees undertake this work it is done much more satisfactorily, all things considered, than it is when the apiarist attempts to say, "This shall be," or "This shall not be."

But if our correspondent thinks he must have his own way, then there probably is no better plan than to follow what is given in "Scientific Queen-Rearing," or that given by W. H. Pridgen, during 1900, in the beepapers. If you think this too much bother, or consider it "fussy," as some claim, then you can rear pretty good queens in th's way:

Kill the old queen and let each colony rear one from her brood. In five days from the time you killed

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the old queen, open the hive and look for queen-cells. In doing this it is well to shake the bees off the combs so that the cells can easily be discovered. If they are found capped at this time they should be destroyed, as they will contain larvæ that are too old to make good queens. Bees do not cap over a cell containing a good queenlarva, as a rule, in less than six days from the time the mother queen is removed. The reason for this lies in the fact that bees rarely miss their queen to a sufficient extent to start cells in less than from two to two and one-half days after her removal: and if you find cells sealed over on the fifth day after the removal of the old (or mother) queen, you may know that the larva in said capped cell must have been three to three and a half days old when the bees undertook to change it to a queen. All queenrearers agree that larvæ two days old and under give the best queens, and that a larva older than three days should never be used under any circumstances, if we would have queens which can to any extent be called good. Of course, the colony is to be well fed, if no honey is coming in from the fields, until the sixth day, or till all cells are capped over.

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Bees in Palestine.

A recent report of the United States consul at Jerusalem gives quite an interesting account of bees and honey in Palestine. Mention is made of a family that emigrated from Switzerland in 1849, and settled at Artus, a few miles from Jerusalem, the father being a practical beekeeper. He had five sons who inherited the father's enthusiasm in apiculture. They kept the bees in the sort of hives then in use in that country, terra cotta jars, and while they produced considerable honey

with such hives, the best results were file ba not obtained until 1880, when an he rol American taught them the modern on ge methods of working an apiary, when The in 1884 they obtained 6000 pounds fittly 1 of honey from 50 hives in less than a volivi month. The Turkisk officials distintol covered the industry and its wealth making power and proceeded to levy we co a tax system that increased 150 the ages hives of bees to 2000, working up aster tax of \$500 on a single apiary which time tax of \$500 on a single apiary, which was more than the industry would the P bear, and the hives were seized by hing it: the government and sold at auction multi at Jerusalem for about one dollar pe hive, but the purchasers not bein skilled bee-keepers and the bees n being disposed to sanction the action of the Turkisk tax-gatherer, the be-again fell into the hands of the on Dut he inal owners. The products and do in mu matic conditions of the land in ear Palestine are very similar in monich he respects to Southern California. To go of 1 orange and lemon trees give a go m, hun quality of honey and the bees as s. T carried from one locality to another st of To give sufficient bee pasture t petting Shiek demands toll on every here to that passes through his village, a set on of the Turkisk tax-gatherer, the be the toll is regulate 1 so that "it is the tariff will bear," and sometim les, fo much amounts to confiscation and total ng in t struction. g. per

It is recorded that the industry beset by many obstacles and calls patience, tact and perservance. owners of the Holy Land bees quite a business in exporting qu bees, some of them being sent as as California. Some years ago purchased some and found them entere workers and very prolific, but ra ogy 1 vicious in handling, even at sw e bus ing time. They are a handsome ght! and when leaving the hive gostri follow away to the field without circlin han t ceremony, and on their return ess or home to the hive as straight

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he ball and enter the hive directly. he robber bee that attacts their hive on gets tired and quit.

The bees of Palestine are a disounds actly marked race and their fighting nclivities are doubtless the result untold centuries of rather rough andling by the various nations that ave come in contact with them in e ages past. The American bee-aster can in a few seasons work t much of the fighting proclivities the Palestine bee, without dimining its business vim and proclivity multiply.-Rural Californian.

Good Management Makes Good Luck.

By G. M. Doolittle.

Dut here in the country there has n music all summer long; music m early morn till night; music ich has not been made by the gs or birds. It has been the hum, hum, of the busy, enterprising The bee-keeper's wife, in the st of her housecleaning, sewing, etting dinner, has often plane in to the melodious strain, and int on the rapidly filling section frown and scold much as usual when things go ng in these matters, often wondg perhaps, whether her husband have any "luck" with the bees year, as she sees visions of new gies, new furniture, new carpets, dresses, etc., as they play "hide seek" in her thoughts.

s, luck! that is the mystic charm ear so much about in connection bee-keeping by those who have entered into it, and often by the ogy bee-keeper who has been e business for years. Queer ht! There is not any more following the bee-keeping indushan there is in the grocery ess or the carpenter's trade. It means simply what ability you have for work in that line, how much energy you put into it, how much time you devote to it, how enthusiastic you are over it, how many of the little kinks you study into, and what knowledge along that line you have or can acquire, and how you apply that knowledge. At least, that is the way I look at it after being in the bee-keeping industry for nearly thirty-three years. Luck depends on systematic, persevering care and attention. If your bees are left to care for themselves, with an occasional oversight when you have no other pressing work or the hammock ceases to be enjoyable to you, then I venture to say that you will have the usual "bad luck" we hear so much about. Again, give them the care they need. and that regularly and in the right time, the same as you would your pig, that pig which you expected to make outweigh your neighbor's which was born in the same litter, and my word for it, and the flowers secreting honey, you'll have luck that will make your neighbors open their eyes. You cannot expect to have it unless you work for it, for hives open at the top during winter and spring, no thoughts or work about securing a multitude of bees in time for the blooming harvest, no preparation for surplus honey before it comes, and no inspiration in your heart which makes the tips of your fingers itch to be doing something all the while to make the bees prosper in your hands, all tend to make the time near at hand when your neighbors will say : "I told you that A. would never have any luck with bees." Undoubtedly this is where many a beginner has made his mistake; he relied too much on that magic word, luck.

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If you have entered into bee-keeping and find yourself too busy to properly attend to them, turn the bee

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business over to some member of the family who will give it the time, study and attention required for success in any line, and your luck will be assured. See the bees often, keep their hives warm, dry and comfortable during winter and spring, know just w en the flowers bloom which give the surplus honey in your locality, work to secure the maximum amount of bees just in time for that bloom, put on the surplus arrangement at the very beginning of that bloom, and take off the surplus at the ending of the same, when the honey in the sections is snow-white, so it will captivate every eye which is placed upon it, get it off to market at the right time and in the most marketable shape, and then properly prepare the bees for winter again, and you'll have no further cause to depend on the word "luck."-American Bee-Keeper.

Strong Colonies for Winter.

We read much about strong colonies in spring which are always the profitable ones to have, but to have them it requires strong, healthy colonies in autumn in most cases. We never find a colony coming out in spring stronger in numbers than they were in autumn, but on the other hand, they will always be much weak-A weak colony in autumn will be er. weaker in spring, and if we expect to have strong colonies in spring, we must have stronger ones in autumn. It is true we do not expect to have the number of bees to start into winter with, that we have during the honey season, but we want them strong enough to fill up the brood chamber well, and when clustered up during the first cold spell, would occupy most of the combs in the hive.

The conditions must be right for a a colony just going into winter quar-

It should be strong of bees ters. and these bees should be bred during the autumn months, largely in early autumn. It is not best to have too much brood in the combs not hatched out in going into the winter, but out in going into the winter, but a small portion will not hurt. Sep Lars anged tember and October bred bees an irr, 2 just the right age to carry a colom dJ. over the winter well, and breeding h Mr may be carried on later if the for Best part of the winter is open. It is not m. (always possible to get colonies in the d J. condition from the fact that if the udd. do not get an autumn flow of honer Best they will not breed much, and nevmany cases not breed any. So the mbal by feeding only can we get the s. R: sired results, and it is very easi Best done. lema

Young queens are much bett breeders than old ones, and a your queen of the present season's raising will have a good quantity of brood her combs during autumn, while queens will scarcely lay an e This is of considerable important and enough to pay us well requeening all hives with young st . Kir during the summer.-A. H. Duff est : Garden and Farm. ev it

The Exhibitions.

LONDON.

The "Western" presented a good display of honey this sea the quality was excellent and competition between the lots extra ly close.

For some reason the number exhibits do not materially incl usually the same exhibitors. after year. Perhaps it may be bee-keepers are not sufficiently ested or instructed in this so thing but local associations s work it up among their members

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prizes are certainly worth aiming at bees. uring as an advertising medium. early

The followings were the awards :

Largest and most tastefully arargest and most tasteruny ar-anged exhibit—rst Wm. Coleman, arg, and Geo. Kimball, Bryanston, d. R. Aches & Son Perplar Hill d J. B. Aches & Son, Poplar Hill, h Mrs. S. E. Rudd, London.

Best 200 lbs. comb honey—1st t is not s in this m. Colemau, 2nd Geo. Kimball, d J. B. Aches & Son, 4th Mrs. udd.

Best 200 lbs liquid extracted f honey iney—Ist Wm. Coleman, 2nd Geo. imball, 3rd J. B. Aches & Son, 4th frs. Rudd. and i So th the de

Best 20 lbs. comb honey—1st Wm. leman, 2nd Geo. Kimball, 3rd J. B. thes & Son.

Best 40 lbs. liquid extracted clover ney in glass—1st Wm. Coleman, Geo. Kimball, 3rd J. B. Aches &

est 40 lbs. Inquire careleman, 2nd et clover) 1st Wm. Coleman, 2nd B. Aches & Son. Kimball, 3rd J. B. Aches & Son. est 20 lbs extracted granulated ey in glass-1st Wm. Coleman, I. B. Aches & Son.

st 10 lbs. beeswax—1st Wm. man, 2nd Geo. Kimball, 3rd J.B. es & Son.

st half gallon honey vinegar -Vm. Caleman, 2nd Geo. Kimball, .B. Aches & Son.

his seas gest and best domestic uses for nt and -ist J. B. Aches & Son, 2nd Rudd. ots extre

> t comb foundation-Wm. Cole-London.

> display of queens-J. B. & Son, Poplar Hill. Martin Emeigh judged.

OTTAWA.

decoration mania here at , bred and fed by the presence of Royalty, has evidently entered the heads and hands of the honey exhibitors. The background of the several displays was very tastefully draped and flagged and the windows curtained, which greatly enhanced the beauty of this section of the exhibition. It is generally conceded that the show this time is much more attractive than any previous display.

The honey yield this summer in the Ottawa Valley has been particularly large and consequently the display here was by tons, one exhibitor having 40,000 lbs.; and what seems remarkable and pleasing to the Apiarist the demand for honey here never was so great and sales so rapid at high figures.

There were five exhibitors-3 on a large scale and 2 very small. Messrs. Brown and McLaughlin showed last year and Mr. Caldwell, of Carp, made his maiden show, largely in the form of a cottage, a modification of M. H. Hunt's at Detroit in 1892.

Mr. J. K. Darling, of Almonte, was again judge, with the following results:-

| | | | Ist | 2nd | 3rd |
|---------------|-----|-------|-----|-----|-------|
| McLaughlin | - | | 7 | 5 | 0 |
| Brown | - | - | 5 | 7 | I |
| Caldwell . | | - | I | I | 2 |
| Ottawa, Sept. | 21, | 1901. | | F | APIS. |

Die Bienenpflege (Wurttenberg) says that honey strained and bottled in the sun, and allowed to remain there for some time, clarifies much quicker and also improves in aroma by the process.

Gibbon says that sugar was first brought from Asia to Europe A. D. 625.

Don't put honey in the cellar; its the worst place possible.

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LITERARY NOTES.

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World Wide.

"World Wide" is a weekly reprint of articles from leading journals and reviews reflecting the current thought of both hemispheres. This remarkable and most readable journal, published by Messrs. John Dougall & Son, of the 'Witness,' has pushed its way in a few months, beyond all expectation' chiefly owing to the goodwill of its rapidly growing constituency. "World Wide" has found its place on the study table. Preachers, teachers, writers, and thinkers generally, have hailed it as a new and most welcome companion. As a pleasant tonic-a stimulant to the mind, 'World Wide' has no peer-at the price, no equal among the journals of the day. Regular readers of "World Wide" are kept in touch with the world's thinking. Fifteen cents will bring this most interesting and valuable paper to the end of the Address all communications vear. direct to the publishers, John Dougall & Son, "Witness" Building.

> The Canadian Newspaper Directory.

A. McKim & Co., Montreal, announce the publication of the third edition of this valu ble book. Like its predecessors the work is a very complete and interesting handbook of Canadian newspapers, and all that appertains thereto. It is useful as a business directory, because a carefully prepared synopsis is given of each town in which a newspaper is published.

The Directory contains complete

lists of newspaper towns, arranged alphabetically by Provinces, with ample details as to the issue, publishers politics and estimated circulation of each paper. Similar lists con densed for ready reference, a list d daily papers, a list of newspapers by counties and a classified list showing the many different kinds of paper published in Canada make this a thoroughly complete newspaper gaze etteer.

One of the best features of the work is a set of special maps of the different Provinces, showing only the towns in which newspapers are put lished. These maps are enclosed a convenient envelope instead of being bound in the book as former which makes them more convenient to handle.

The publication of this Newspap Directory every alternate year is a tainly a commendable enterprise the part of McKim's Advertish Agency, which seems to be very p gressive and up-to-date in every respect.

Prepare your colonies early winter. Feed at once if they req it.

The Australian Agriculturist ports Sydney market: Honey, in or and candied $1\frac{1}{2}d$. to $1\frac{3}{4}d$; pr clear samples, 2d., extra fine lots to $2\frac{1}{2}d$.

HONEY WANTED

Both Comb and Extracted. Give lower and say how put up.

SAMUEL L. LEWIS & CO Commission Mercha London, C

OCTOBER