



**Amateur
Beekeepers
Association**
NSW PARRAMATTA

April 2020

Newsletter of the Parramatta Amateur Beekeepers

For information on the ABA including joining (re-joining) go to: www.beekeepers.asn.au

To go to the Parramatta Branch Page, click on <https://goo.gl/i4q87x>

Join us on Facebook



<https://www.facebook.com/groups/parramattabeekeepers/>

Welcome to new and renewing members!

In this Issue

Page

<i>Attention to all those selling their honey</i>	1
<i>President's Report</i>	2
<i>Secretary's Report</i>	3
<i>PAB 2021 Calendar entries are now OPEN!</i>	4
<i>External training courses available</i>	4
<i>Col Pulling 2020 Results</i>	5
<i>Col Pulling Competition 2020</i>	5
<i>End of season hive check</i>	8
<i>Responsible beekeeping</i>	13
<i>Club shop</i>	13
<i>Find-A-Word puzzle</i>	14
<i>Handy contact details – recent changes shown in red</i>	16
<i>What's on in 2020</i>	16



**Responsible beekeepers thoroughly
check brood frames at least twice per
year for signs of disease and AFB!**



Attention to all those selling their honey

For those of you that are lucky enough to have available honey and/or honey products for sale, please ensure you follow good Covid-19 protection practices, eg:

- request that money be deposited directly into your nominated account or to be left in a zip lock envelope at a nominated location
- organise a safe place to enable the product(s) to be picked up without requiring contact

Look after your health and be vigilant!

President: Robyn Alderton e: parramatta.president@beekeepers.asn.au
Secretary: Secretary e: parramatta.secretary@beekeepers.asn.au
Treasurer: Andrew Bardsley e: parramatta.treasurer@beekeepers.asn.au

Newsletter deadline to submit material – 20th of each month

President's Report

By Robyn Alderton, President

Due to personal reasons, Geoff Peoples has resigned from the position of President of the Parramatta Amateur Beekeepers. On behalf of the Parramatta Amateur Beekeepers Executive and members, I would like to thank Geoff for his contribution to the club and wish he and his family the best of help. Geoff, we look forward to catching up with you at future PAB events.

Refer to the Secretary's Report below for information on how this vacancy and other activities have been managed in the interim.

With the intent of keeping the club relationship with our members going, we are running a (free) raffle. The way it will work is for all members who:

- a) purchase goods through the club shop will receive one raffle ticket for each \$10 spent (or part thereof - \$7.50 being the rounding figure), eg, if you spend \$18.00 you receive two tickets.
- b) conduct a random act of kindness, eg, contact/help out another member in need (you can nominate yourself or be nominated by another member). Receive one raffle ticket for each occasion/nomination. You can only be nominated once, ie, you cannot be nominated by two people for the same random act of kindness.
- c) conduct a random act of kindness, eg, volunteer to help the club, eg, work in the club apiary (you can nominate yourself or be nominated by another member). Receive one raffle ticket for each occasion/nomination. You can only be nominated once, ie, you cannot be nominated by two people for the same random act of kindness.

All acceptable nominations received by me will have raffle tickets filled out. The raffle will be drawn at the first club event where we can meet at the school. **Tickets for this raffle will not be available for purchase.**

Prizes on offer are:

<i>Decapping pinwheel</i>	<i>Vented escape board</i>	<i>A bucket strainer</i>
		

All nominations to be sent to the President. The raffle will be drawn at the first club event where we can meet at the school. No tickets can be purchased for this raffle.

Robyn Alderton, President

Stay safe, stay connected and looking forward to catching up at a monthly club event soon!

Secretary's Report

By Dave Wilson, Secretary

Due to the threat posed by Covid-19, all club activities have been cancelled however your Executive have been working behind the scenes to keep the club functioning until some form of normality returns. For your information, the following Actions have been approved.

- Due to the threat posed Covid-19 the AGM scheduled for 8 April 2020 has been cancelled.
- Consider holding the AGM on 13 May 2020. If not suitable the Public Officer to contact the Department of Fair Trading (Form a-11) to inform them that no AGM was possible.
- Until the threat from Covid-19 abates there will be no further club meetings.
- Without formal meetings essential executive decisions will be made via email or other electronic means.
- While the club is having no physical meetings members can contact Lod by email with an order for shop stock. He will indicate cost. The member transfers money to club account. Lod makes up the order and organises for member to pick it up from one of the two "extractor" members or an alternative location.
- The DPI is supplying some sugar shaker kits. Suggest we purchase additional (30) kits (\$8.80 each from Valley Industries at Taree) so we definitely have some for members.
- The Executive committee thanks Robyn Alderton for her work as Secretary and accepts her resignation from this role. The Executive committee offers her an appointment as President (casual vacancy) and offers Dave Wilson an appointment as Secretary (casual vacancy). Both Robyn and Dave accepted these positions.
- The executive authorise the Secretary to remove the following items from the Minutes and transfer them to the Closed items archives:
 - 311 2019 Financial Summary
 - 329 ABA AGM cancelled
 - 336 Possible volunteer beekeeper "Flourish Australia"
 - 344 Sponsor donation
 - 345 February raffle
 - 346 March raffle
 - 360 Flower Power event
 - 363 RA and SA absent March meeting
 - 366 2020 PAB AGM concerns re Covid-19
 - 368 2020 PAB AGM members pack
 - 370 PAB hive registration
 - 371 Biosecurity talk at Ryde
 - 377 Resignation of Geoff Peoples

- That the executive committee appoint Margaret and Malcolm McGregor to the committee under Section 18 “Casula Vacancies” of our constitution.
- Club Raffle to promote club relationship with, members during the Covid-19 no meeting time.
- With the intent of keeping the club relationship with members going, agreed that during the Covid-19 lockdown, all members who:
 - a) purchase goods through the club shop will receive one raffle ticket for each \$10 spent (or part thereof - \$7.50 being the cap), eg, if you spend \$18.00 you receive two tickets.
 - b) conduct a random act of kindness, eg, contact/help out another member in need (can nominate self or be nominated by another member) receive one raffle ticket for each occasion.
 - c) conduct a random act of kindness, eg, volunteer to help the club, eg, work in the club apiary (can nominate self or be nominated by another member) receive one raffle ticket for each occasion.

Reminder: *For a full copy of Minutes of Executive Minutes please make your request in writing to the Secretary*
parramatta.secretary@beekeepers.asn.au

PAB 2021 Calendar entries are now OPEN!

By Robyn Alderton

Our 2020 inaugural calendar was a huge success.

To have the opportunity to be a part of the PAB 2021 calendar, send your bee and/or beekeeping photos to:

parramatta.secretary@beekeepers.asn.au

What are you waiting for? While you're hiding from Covid-19 go out in the garden and snap away before winter hits us.

Entries must be received **by 31 July 2020**. Voting / selection will take place at the 12 August 2020 Monthly Club Event.

Would you like
your photos
included in the
2021 Parramatta
Amateur
Beekeepers
Calendar?

Go out and explore the bee-life in your garden and snap away!

External training courses available

By: Robyn Alderton

This period of isolation is a good time to catch up on free on-line training. Following are the links to 2 courses that we know about. Let me know if you become aware of others.

anaphylaxis.ascia.org.au ASCIA anaphylaxis e-training for first aid (community) 2020

<https://www.imalert.com.au/v6/?sub=sutherlandshire> I'm Alert Food Safety

Col Pulling 2020 Results

By: Robyn Alderton

Have you seen your ABA Newsletter?

Your club has won the Col Pulling Competition for the 3rd year in a row:

1. 2020 - Equal first with Hunter Valley
2. 2019 - Equal first with Central Coast and Illawarra
3. 2018 - First outright

How's that for Col Pulling competition stamina!

Thank you to the Executive and a special thank you to Sheryl and Guy for participating in the quiz and Norm for supplying his honey on behalf of the club for the competition.

Well done to you all and THANK YOU again to all contributions whether large or small.

Andrew Bardsley, Sheryl McIntosh, Guy Challis, Peter Clarke and Steve Alderton did a fantastic job answering the quiz (via Zoom). They will each receive a raffle ticket for their efforts. Norm too will receive a raffle ticket for providing his honey for the competition.

Refer to Dave Wilson's detailed Report below showing PABs results for each category.

Col Pulling Competition 2020

By: Dave Wilson, Secretary

Who was Col Pulling?

Colonel Guy Harris Pulling died in Orange, NSW on 18 August 1971.

Guy Pulling was educated at Sydney Church of England Grammar School, North Sydney. On the outbreak of World War I he joined the AIF and saw active service on Gallipoli and France and was seriously wounded.

After the war he joined the Indian Army finally commanding his regiment as Brigadier.

On his retirement in 1949 made their home at Turramurra where he became interested in beekeeping and for some years he operated apiaries at Turramurra and produced very high quality queen bees.

It became apparent that there was no organisation to cater for those who found in bees a worthwhile and fascinating hobby. He realised that the bee culture attracted people of all skills and walks of life and that this interest could be of benefit to all concerned in beekeeping. These thoughts developed in the formation of the Amateur Beekeepers' Association of NSW with branches now in many parts of the state.

The annual inter club competition is named in his honour.

The 2020 competition was designed so clubs from all over the state could compete without the need to attend a central meeting. This became a great advantage given the limits on travel and meetings caused by the COVID-19 pandemic.

Andrew Bardsley (PAB Treasurer) was the Team Leader for our club for the 2020 competition. He ensured that the club supplied entries for each round of the competition and that all entries were submitted on time. He also led the quiz team.

The competition had four rounds.

Round 1 – Liquid Honey

Entries were based on RAS for liquid honey from small producers in the classes: very light, light, medium and dark honey. Norm Webb supplied the honey for the “very light” and “dark” class. The table below shows the scoring:

Honey competition	Flavour 25	Density 25	Colour 25	Aroma 10	Clearness 10	Brightness 5	Total
Class 1 - liquid honey - very light	22	23	22	7	9	4	87
Class 4 - liquid honey - dark	22	19	23	7	8	4	83
Total							170
Scaled Total							170

A score of 170 meant that PAB was placed 6th in this round and received 5 championship points.

Round 2 – Club Reports

Two reports, each 500 words maximum, were required on the following topics:

1. Describe the efforts the club is making to increase members biosecurity skills.
2. What programs does the club have to improve the skills of new beekeepers?

Robyn Alderton prepared these two reports.

Club Report	Description 25	Effectiveness 25	Appropriateness 30	Deemed useful for other clubs 25	Total
Class 1 - improve biosecurity skills	24	25	23	23	95
Class 2 - improve new members skills	24	24	24	24	96
Total					191
Scaled total					191

A score of 191 meant that PAB was placed 2nd in this round and received 9 championship points.

Round 3 – Club Promotion Flyer or Pamphlet

The club had to submit a single or double-sided PDF of a pamphlet or flyer suitable for distribution to the general public or a specific group (such as students or gardeners), to inform them about bees, beekeeping or the local club.

Robyn Alderton prepared the club promotion flyer/pamphlet.

Club Promotion	Appeal to target audience 25	Content quality 25	Relevance to club objectives 25	Originality 25	Total
Class 1 club promo flyer/pamphlet	23	23	24	24	94
Total Scaled total					94 188

A score of 188 meant that PAB was placed 2nd in this round and received 9 championship points.

Round 4 - Quiz

The quiz had 20 multiple-choice questions and was completed online commencing at 9:15 am on Sunday, 5 April. Andrew organised a “Zoom” meeting with himself and Guy Challis, Sheryl McIntosh, Robyn Alderton and Peter Clarke.

The team scored 17/20 which meant that PAB was placed 1st and so received 10 championship points.

PAB overall received 100 points for entering and a further 33 points from the four competition rounds and so achieved 133 championship points with PAB coming equal

1st with Hunter Valley club.

Congratulations to Andrew and his team for a great effort. Particular thanks to Robyn for providing great quality reports and a promo flyer as well as participating in the quiz.

We were equal first last year with Illawarra and Central Coast and this year with Hunter Valley.

*Great work – great club
Dave Wilson, PAB Secretary*

1st place – 3 years running!
Congratulations PAB

End of season hive check

By: Dave Wilson, Secretary

The Australian Honey Bee Industry Biosecurity Code of Practice calls on all beekeepers to “inspect each hive for general hive strength and for the presence of pest and disease” to minimise pests and diseases. At a minimum this should be twice per year.

“At least two inspections per year” must be carried out on at least one hive in each apiary site to examine the hive for signs of arthropod pests” (Varroa and Tropilaelaps) using either sugar shake or alcohol wash or drone decapping.

In practise this means a thorough brood inspection of all hives at a site and a “sugar shake” on one hive at the start of the season and at the end.

However, this can only be done if it is safe for the beekeeper considering the threats posed by COVID-19. Personal well-being is a priority. If need be it can be done at the start of the new season assuming that the viral threat has subsided.

This info is a guide only.

Standard beekeeping texts, Australian Honey Bee Industry Council (AHBIC), NSW Department of Primary Industries (DPI) and Plant Health Australia (PHA) publications all provide valuable resources.

If using the net, I suggest you Google using expression which include the question and a reliable source, eg, “Varroa and DPI” or “AFB PHA” rather than just “Varroa” or “AFB”.

CHECKING THE BROOD

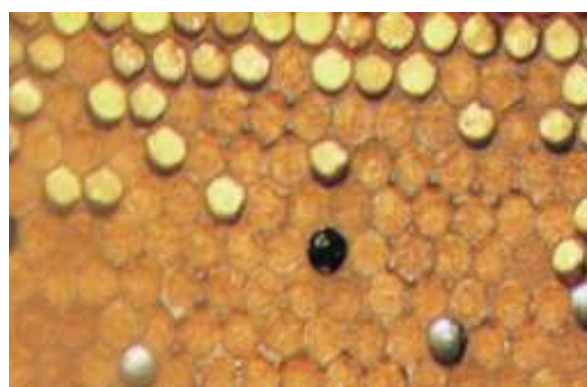
If you wear glasses for reading wear them when you are beekeeping.

Smoke the hive and remove honey supers. Cover those to avoid those bees bothering you.

Shake the bees from the worker brood frames and carefully check the frames.



Good frames will have pearly white larvae in the bottom of brood cells.



The capped brood will be a light brown in colour and the cells will bow outwards. The cells will not have holes or perforations.

So, what are indicators of disease?

- Sour smell of decay
- Sunken and depressed cappings
- Lack of healthy larvae
- Poor bee numbers
- Discoloured larvae
- Very poor brood pattern.
- Decaying larvae
- Cappings that are dark brown to black in colour
- Cappings with holes
- Larvae not central positioned in cell

And, what disease could it be?

Any of the above conditions can be a symptom of multiple diseases. The following table may help.

American Foul Brood (AFB)	European Foul Brood (EFB)	Sac Brood
Larvae moist and slimy	Larvae segmented usually a dull white	Diseased larvae develop a skin
Larvae lay straight	Larvae are twisted and coiled	The skin becomes quite tough and forms sac
Dead larvae may rope out up to 50 mm	Dead larvae rope out about 20 mm often in separate strands	No ropiness
The dried out dead larvae form a scale that adheres to the lower "V" of the cell	The dried out dead larvae form a scale that is loose on the bottom "V" of the cell	Scale is loose



The image at left shows Arthur Garske checking for scale in the bottom "V" of a cell. If found this would be a strong indicator of AFB.

Unless you are very confident in identifying the disease, please take a sample (maximum of one per hive) and send it to the DPI labs for diagnosis.

All beekeepers will occasionally have hives that are infected with a disease. There is no shame in that. ***The mark of a good beekeeper is that they recognise when a hive is suffering from a disease and do something about it.***

Sugar shake test

You will need:

- Sugar shaker
- Icing sugar mix
- Sheet of paper
- Bucket or dipper, preferably white with water

Add two tablespoons of sugar mix from the packet to the jar. Leave the lid with the wire mesh off but keep it handy.



Select the hive in the apiary, smoke and remove the supers to reveal the brood box.

Shake a frame of bees onto the folded paper and transfer them to the sugar shake jar. Screw on the mesh lid.



Roll the jar for several minutes so the bees are well coated with sugar mix.



Shake the jar so the sugar from the bees falls through the mesh on the lid into the white bucket. Add water.

Empty the bees back into the brood box and reassemble the hive



Check the bucket. Any varroa or tropilaelaps will float on the water surface. Varroa look like small brown caraway seeds.

Varroa is thought not to exist in Australia, so any sighting is critically important.

Both Varroa and AFB are notifiable pests and diseases. The DPI must be contacted if you believe your hive is infected with these. This notification must be made within 24 hours.

PAB Apiary report

By: Robyn Alderton

Guy Challis, Arthur Garske and Dave Wilson checked the apiary at James Ruse AHS on Saturday, 29 March.

The apiary supports 7 Langstroth hives and one Warre hive. There are two Flow Hives that belong to a JRAHS staff member.

All Langstroth hives were inspected with a detailed and close examination of brood frames. These hives were remarkably strong with some hives having brood fully frames covered in eggs, larvae and capped cells. They resembled hives in springtime rather than autumn.

Some hives showing isolated cells with chalk brood but importantly no diseases of the brood could be seen.

Hives were well populated with bees with good stores of honey and pollen.

A varroa check was done on one hive with a sugar shake being carried out on bees in the brood box of one hive. This was clear.



The club's responsibility according to the Beekeeping Code of Practise is to perform a disease check of all hives and a Varroa check on one hive in Spring and Autumn. This has been done.

Only one hive had bees that were aggressive – this is a potential for a re-queen in spring.

48 frames of honey were removed for extraction. A car and trailer were used to carry the frames from the apiary.

Dave Wilson and Peter Clarke each extracted 24 frames at home yielding

some 85 kg. The stickies will go into the club freezer and will go back onto the hives in springtime.

This is the third extraction from the apiary with the total honey collected approximating 300 kg.

All hives except one were packed down to two boxes.

The only negative is the loss of the Warre Hive. It may have swarmed but its stores had been robbed out by bees from adjoining hives. The hive showed no sign of disease.

On behalf of our members, thank you to Guy, Arthur, Dave and Peter for your efforts.

There is a raffle ticket for each of you - in the draw.

Wintering bees

See below for a re-produced article from our very own Arthur Garske. Arthur's advice will help you get your bees through the coming winter.

Bee hives ideally should be sited to take advantage of the early morning sun and they should have a slight forward slope to enable condensation to run out. Hives left in shaded, damp conditions are conducive to infection such as Nosema Disease.

Hives should also be protected from wind. Reducing hive entrances will help keep those winter chills out.

Conditioning of Hives - Preparation in the Autumn

Ensure hives have ample supplies of pollen and honey. Pollen is most important as bees need an abundance of pollen in spring, particularly if a flush of higher temperatures is experienced and is followed by a plunge to winter type conditions. As we all know pollen is the protein food for bees.

A strong hive of bees needs at least five (5) frames of pollen and at least 15-20 kilos of honey. If honey is lacking you can feed your bees in the autumn with 2 units of sugar and 1 unit of water.

Only give them enough so they can process and store what you give them in a couple of days. If they are given more than they can utilize it is liable to ferment and fermented syrup KILLS BEES.

It is recommended that you take off excess boxes and pack the bees down so that your box, or boxes, are full of bees. This allows them to keep the normal temperature of the hive more readily. When you have been moving frames around preparing the hive, hives, for winter you should have been moving those heavy black drone-ridden combs out and up so that finally they are moved out.

If you migrate your bees there are still honey flows to be had and it is the same as your summer pattern.

You may like to requeen your hives at this time so you have young vigorous queens going into winter and more so coming into spring. Remember all things being equal young queens are less prone to swarm.

If you are looking ahead to winter honey flows like White Box or Mugga Ironbark where the pollen is no good, ensure your hives have plenty of stored pollen, so there are maximum numbers of young bees available to work them.

Working Mugga Ironbark or White Box, you must have at least 8–10 frames of stored pollen as the pollen from Mugga Ironbark and White Box is no good for raising brood and the bees will dwindle away in winter so that come spring you will have little better than 3–4 frame hives.

If you intend working winter honey flows you should have been conditioning the hives from early autumn, that is, making the queens lay by splitting the brood and putting in a couple of nicely drawn combs in between frames of brood. So that there is a maximum number of young bees to work with.

If there is no nectar coming in feed the bees thin sugar syrup with: unit of sugar to 2 units of water.

Fortnightly you should do the splitting and interleaving two nicely drawn combs between two frames of brood and move the sealed frames up into the box above the brood box. You do this to ensure you have full, I mean really full, boxes of young bees so you do not suffer a heavy bee mortality as would happen with old bees. You need drawn comb because as it gets colder, bees will not draw foundation.

When taking off full combs of sealed honey do it in the middle of the day (the warmest part of the day) and replace four sealed frames with four stickies or four dry drawn combs. Ensure you do this quickly so the temperature loss in the hive is kept to a minimum.

Get the honey that has been taken off to the extractor as quickly as possible so it can be extracted while it is still warm.

Responsible beekeeping

RESPONSIBLE BEEKEEPING!

Please note, you may think you are helping the bees secure honey stores more readily by leaving out your extracting / beekeeping equipment and stickies for the bees to clean up. However, this is an irresponsible method and encourages robber bees.

Robber bees may be infected by AFB and this action encourages the spread of AFB.

Club shop

By Lod Porretta, Stores Officer

Due to Covid-19, the club shop is closed however you can email your order to the Stores Officer.

Submit your order by Monday, the Stores Officer will advise you of the cost, you pay electronically, when the funds are cleared in the PAB account, the goods will be available the following Wednesday (PM) from Castle Hill for pick-up.

Members are encouraged to support their club shop and purchase their beekeeping goods from the club shop whenever possible.

Shop email: Lod Porretta parramatta.stores@beekeepers.asn.au

The following items are available to purchase in the Club Shop:

- Beetle Traps
- Bottom Boards
- Boxes
- Bee Brush
- Cleats
- Chemicals
- Eyelets
- Electric Embedder
- Foundation
- Frames
- Frame Wire
- Glass Jars
- Gloves
- Hive Closers
- Hive Locks
- Hive Tools - J
- Honey Gate
- Jackets/Suits
- Lids
- Plastic Buckets
- Risers
- Smokers
- Spur Wheels
- Strainers & Cloths
- Uncapping Boxes

If the item(s) you seek are not listed above, just email your friendly Stores Officer to see if, in fact, the item is in stock.

Find-A-Word puzzle

Created (manually) by Robyn Alderton

For those who like a puzzle, refer to the list of 'beekeeping' words over the page and find them in the grid below.

When you have finished your find-a-word, take a photo and email the photo to me parramatta.president@beekeepers.asn.au and I will allocate you a raffle ticket.

The raffle will be drawn at the first club event where we can meet at the school. **Tickets for this raffle will not be available for purchase.**

T	R	O	P	I	L	A	E	L	A	P	S	B	C	S	R	E	D	N	E	P	S	W	O	R	G
E	A	N	N	E	T	N	A	B	M	O	C	R	R	U	B	E	L	U	B	U	S	H	O	W	N
S	I	D	O	O	R	B	C	A	S	I	C	S	O	B	O	R	P	B	T	T	K	T	I	O	I
T	R	O	C	S	E	W	Q	U	I	L	T	O	P	H	S	E	T	U	I	Y	E	N	O	H	N
I	C	O	A	T	H	O	U	R	E	P	U	S	P	O	L	L	E	N	S	D	P	N	T	E	I
A	M	F	R	W	I	R	E	G	G	S	T	A	I	N	F	A	G	E	O	Y	N	E	E	T	A
B	X	O	B	A	V	K	E	U	N	M	T	T	S	E	N	R	S	C	F	S	E	A	E	S	R
E	P	R	O	T	E	I	N	I	C	O	L	O	N	Y	I	V	I	T	L	L	E	N	M	A	T
S	H	E	H	E	N	N	B	O	O	K	E	T	U	S	A	A	N	A	O	H	Y	M	O	C	D
T	E	C	Y	R	W	G	E	D	A	E	M	K	C	A	R	E	K	R	W	N	E	V	A	H	E
S	R	A	D	R	O	N	E	L	A	R	U	R	L	C	A	P	P	I	N	G	S	R	T	O	I
I	O	P	R	B	R	E	Q	U	E	E	N	A	E	Y	D	D	E	T	R	E	T	L	I	F	D
R	M	S	A	R	K	N	A	T	I	V	E	D	U	S	H	O	P	S	E	M	A	R	F	H	N
A	O	E	T	E	E	U	F	U	N	D	A	Y	S	T	I	N	G	E	R	E	P	R	A	T	A
I	N	E	E	E	R	O	B	B	I	N	G	E	R	A	V	T	A	E	H	N	I	F	F	O	C
P	E	B	G	D	S	I	D	R	I	N	K	D	U	R	E	R	R	A	W	H	S	E	O	R	S
A	S	O	C	I	A	L	H	O	S	A	M	I	O	V	T	Y	R	O	M	E	M	R	R	T	I
N	E	C	T	A	R	F	L	O	W	R	E	S	V	E	O	L	P	F	M	A	E	M	A	S	L
A	F	W	A	G	G	L	E	D	A	N	C	E	A	C	O	L	O	U	R	L	L	R	G	G	O
B	U	A	R	O	L	F	E	F	I	N	K	A	L	A	L	A	L	O	O	T	L	N	E	N	P
A	L	S	E	G	A	C	H	O	B	B	Y	S	F	U	F	I	L	A	F	H	I	T	I	A	O
S	L	P	O	L	L	E	N	B	A	S	K	E	T	C	L	C	I	S	W	Y	F	E	W	L	R
H	E	G	D	U	J	L	Y	L	P	P	U	S	A	A	A	O	N	U	R	S	E	D	H	F	P
A	O	L	C	E	L	L	S	U	I	E	Z	I	S	S	H	S	A	P	U	P	R	S	I	O	T
K	E	N	Y	A	N	S	A	W	A	X	T	B	K	I	T	S	T	E	P	S	A	I	P	O	R
E	T	H	O	R	A	X	S	U	R	I	V	M	S	A	E	M	I	T	O	W	E	R	P	D	A
R	O	Y	A	L	J	E	L	L	Y	S	T	O	P	N	O	C	O	M	B	H	O	N	E	Y	P
N	A	I	L	O	N	R	A	C	N	T	E	C	N	A	D	D	N	U	O	R	R	E	D	R	O

Words to find

ABA	Drone	Meade	Sink
Antennae	Duty	Meet	Size
Apiarist	Escort	Melt	Skep
Apiary	Exist	Memory	Smoker
Apis mellifera	Farm	Native	Social
Bait	Fermented	Nectar	Stain
Bees	Filter	Nectar flow	Starve
Best	Flavour	Noon	Steps
Bins	Flora	Nosema	Sting
Blue	Flow	Nucleus	Stinger
Book	Fly	Nursed	Stop
Box	Food	Oil	Super
Breed	Forage	Order	Supply
Brood	Form	Penders	Tarp
Burr comb	Frames	Pheromones	Tasks
Bush	Full	Pollen	Teddy
Cage	Fun day	Pollen basket	Teen
Candied	Grows	Pollination	Test
Cappings	Half	Proboscis	Thorax
Carbohydrate	Haven	Propolis	Time
Care	Healthy	Protein	Towner
Carnelian	Heat	Pupa	Training
Caste	Hive	Queen bee	Rap
Caucasian	Hive tool	Quilt	Tropilaelaps
Cells	Hobby	Rain	Virus
Coat	Honey	Recap	Waggle dance
Coffin	Honey sac	Requeen	Wake
Colony	Honey super	Robbing	Warre
Colour	Judge	Round dance	Wash
Combe	Kenyan	Royal jelly	Water
Kits	Rural	Wax	Comb honey
Knife	Sac brood	Whipped	Crop
Langstroth	Saw	Win	Dark
Larvae	Shaker	Wire	Diseases
Loot	Shop	Workers	Drink
Mandible	Show	Working	WSP

Handy contact details – recent changes shown in red

Position	Position Holder	Contact Details
President	Robyn Alderton	parramatta.president@beekeepers.asn.au
Vice President and Bio Security Officer	Dave Wilson	parramatta.vp@beekeepers.asn.au
Secretary	Dave Wilson	parramatta.secretary@beekeepers.asn.au
Treasurer	Andrew Bardsley	parramatta.treasurer@beekeepers.asn.au
Stores Officer	Lod Porretta	parramatta.stores@beekeepers.asn.au
Apiary Officers	Dave Wilson and Arthur Garske	parramatta.secretary@beekeepers.asn.au awgarske@gmail.com
Events Coordinator	Sandy Harrison	parramatta.events@beekeepers.asn.au
Member Officer	Steve Alderton	parramatta.membership@beekeepers.asn.au
Colony Distribution Officer	Bill Dick	parramatta.swarms@beekeepers.asn.au
Education Officer	Arthur Garske	awgarske@gmail.com
Extractor Custodian Officer - east	Sandy Harrison	parramatta.events@beekeepers.asn.au
Extractor Custodian Officer- west	Andrew Bardsley	parramatta.treasurer@beekeepers.asn.au

Please update your email contacts

What's on in 2020

All events cancelled until further notice

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