

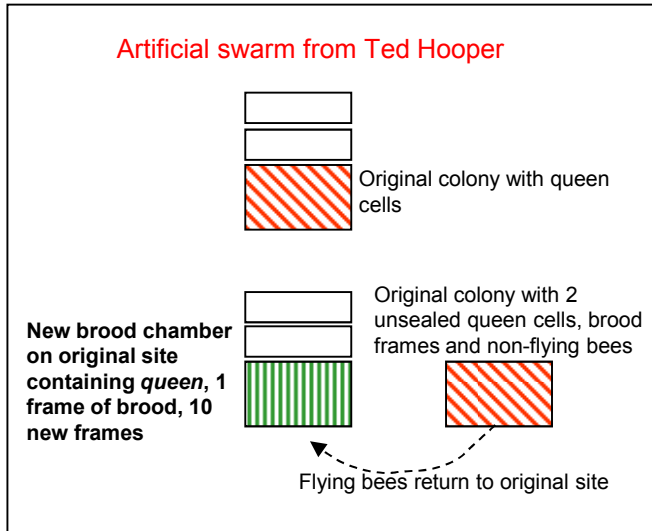
# Key facts for the forgetful beekeeper

## Brood development

Day Number

	Worker	Drone	Queen
Egg hatches	3	3	3
Larvae sealed	8 – 9	10	<b>8</b>
Emerges	21	24	16

## Artificial swarm from Ted Hooper



## Winter and summer feeding

Sugar kg	1	2	3	4	5	10
Water litre	0.6	1.25	2	2.5	3	6

Approx 1 kg to ½ litre (2 lb to 1 pt)

Full brood frame = approx 2.5 kg, super frame = approx 1.5 kg  
Typical colony needs 20 kg stores. 2 kg sugar gives 2.5 kg stores

## Disease

AFB – bacteria affecting larvae **after** cell sealed. Sunken caps, yellow/brown ropey larvae. Discoloured pepper pot pattern black scale on bottom of cells.

EFB – Bacteria causing off-white misshapen larvae **before** cell sealed.

Nosema – Spore forming fungus in gut of bee

Acarine – mite in trachea

## Fumigation

80% industrial grade acetic acid. 100 ml on absorbent pad on top of frames. Seal for one week.

## Washing soda

1 kg per 5 litres

Bee space = 6 - 9 mm ( $\frac{1}{4}$  -  $\frac{3}{8}$ " )

Brood frame spacing 38 mm ( $1\frac{1}{2}$ " )

## The Five Questions

1. Has the colony sufficient space?
2. Is queen present and laying expected quantity of eggs?
3. a) is the colony building up as fast as other colonies in apiary?  
b) are there queen cells?
4. Any signs of disease or abnormality?
5. Are there sufficient stores?

3 feet or 3 miles

## Uniting

Qx to hold newspaper down on q right colony. Put queenless on top. Leave for six days

3500 bees to lb 7500 to kg

5000 cells on national frame

## Varroa daily mite drop

	Apr	July	Oct
High infestation	>8	>10	>8
Medium	4 - 8	4 - 10	>8
Low infestation	<2	<4	<8

IF >15 MITES PER DAY DO SOMETHING IMMEDIATELY

## Queen colours

	Colour	Year	
	White	1 or 6	<b>Will</b>
	Yellow	2 or 7	<b>You</b>
	Red	3 or 8	<b>Raise</b>
	Green	4 or 9	<b>Good</b>
	Blue	5 or 0	<b>Bees</b>