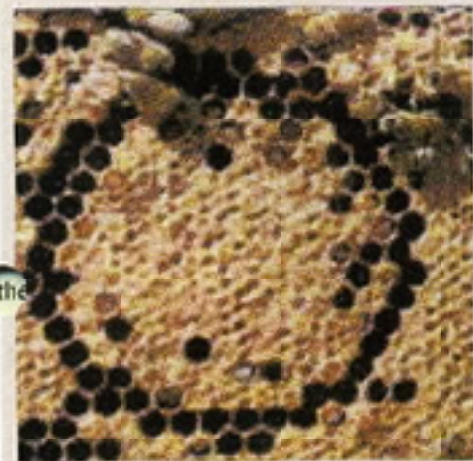


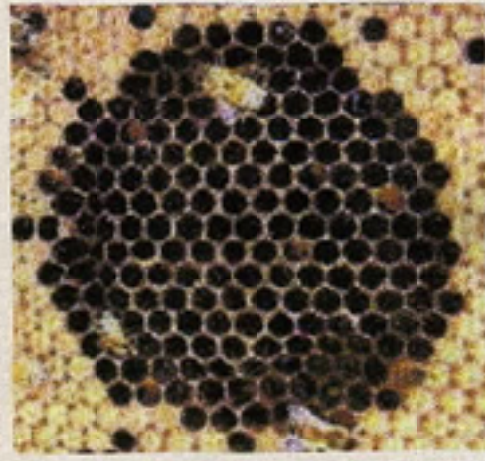
## New Project: Hygienic behaviour of WA honey bees

Rob Manning has a new project to test queen bees for hygienic behaviour. This trait that is very effective at minimising the effects of diseases like AFB and Chalkbrood. Nurse bees with this trait detect and remove dead or diseased larvae from the hive.



A frozen section of comb, (above) with dead pupae and (right) afterwards when the bees have cleaned out the dead. \*\*photos from the web.

Rob needs queens from outside the 'Better Bees Rottnest Island program'. Is there anyone who would like to have their queen/s tested for hygienic behaviour? Rob is looking for about five interested beekeepers.



If you are interested, Rob will graft from your queen on/about 8th September at DAFWA. He will graft 10 queen cells and will need 10 four-frame nucleus hives with 3 frames of bees, brood and

honey in each from you so that when the cells hatch they can be mated back to your apiaries.

Rob will supply a new frame of foundation for each nuc. The hygienic behaviour test will be done in early to mid November.

The testing involves two small patches of brood being killed by liquid nitrogen freezing and pin pricking. After testing the 10 nucs will be returned to the beekeeper.

Results of the test of your line will be available to you. In the report, you will be labelled as 'Beekeeper 1' etc.

Please contact Rob by the end of August. This is a once in a life time chance to have your bees tested. The project is funded by the RIRDC.

Rob Manning  
Wk 9368 3567; Hm 9434 2628;  
Email: [rmanning@agric.wa.gov.au](mailto:rmanning@agric.wa.gov.au) or  
[manning@people.nct.au](mailto:manning@people.nct.au)

## Healing properties of Jarrah honey illustrated

An opportunity presented itself to Dr Rob Manning to talk about the antimicrobial properties of Jarrah honey when he interviewed a WW2 digger. The gentleman was experiencing some trouble with a bacterial skin infection on the area used to take the skin graft. Rob supplied him with some good quality Jarrah honey.



After obtaining permission from his surgeon, the honey was applied to the wound twice a day and covered with non-woven Multigate 1 M sterile pad. Here are photos before and after the application of Jarrah honey.

Twenty-six days later as the wound had healed nicely and no further infection can be seen.



Rob also used Jarrah honey straight onto an infected bite wound on his pet Dalmatian.

Before: The wound was cleaned using warm water and Jarrah honey was pushed into the wound. It was then covered by a dry paper towel which stuck to the wound. The honey was applied twice a day and the wound healed and closed in 15 days.

