

'Den Bienen Gut tun' Zoom meeting, 21.09.21

**Beekeeping  
without varroa treatments  
in North West Wales  
or maximising beneficence  
to honey bees**

David Heaf

[bee-friendly.co.uk](http://bee-friendly.co.uk)





193 mm inside


335 mm inside

# Small cells?

Erickson E.H., Lusby D.A., Hoffman G.D. & Lusby E.W. (1990)

Saucy, F. Journal of Apicultural Research 53(3): 327-336 (2014)

Jean-Marie FRÈRES &  
Jean-Claude GUILLAUME

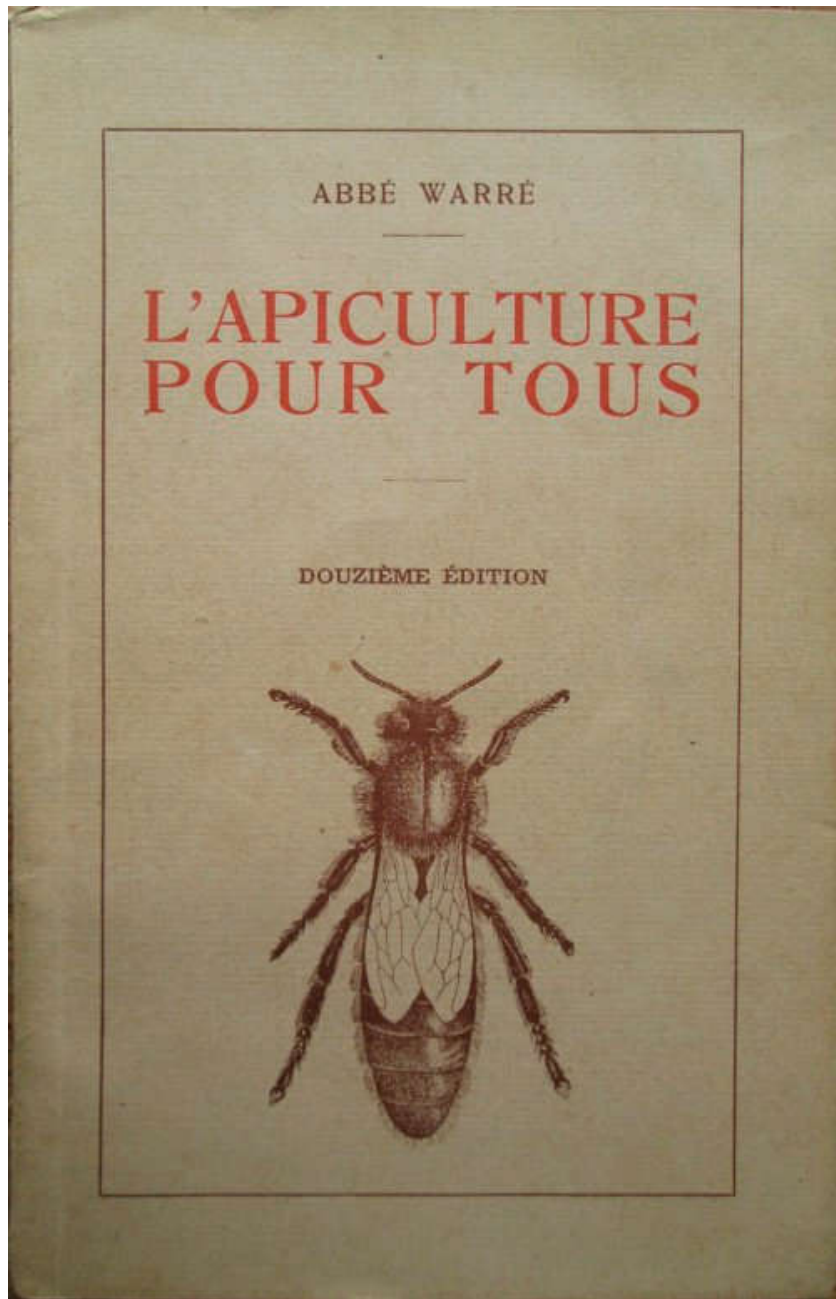


L'APICULTURE  
ÉCOLOGIQUE  
de A à Z

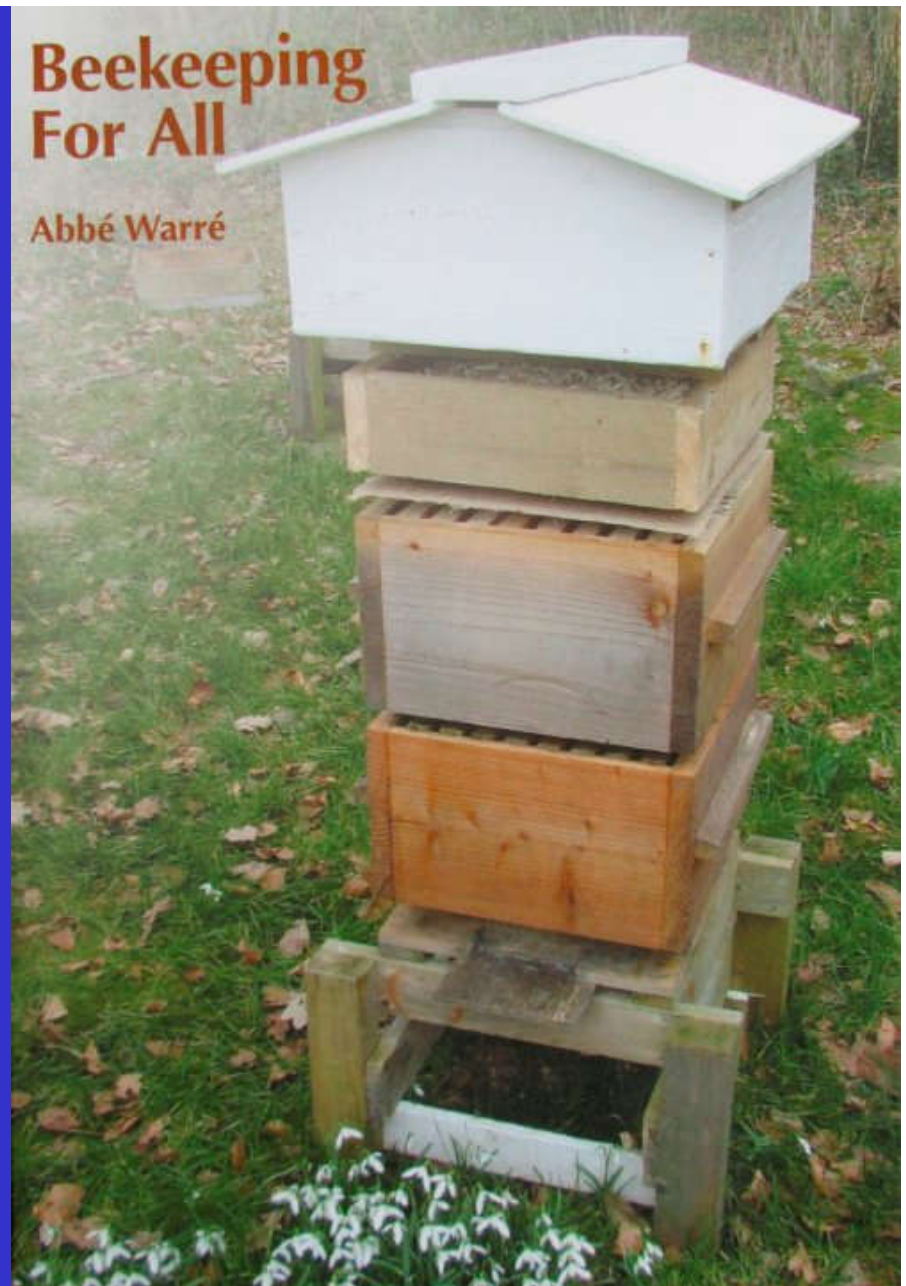
Résurgence  
MÉDICINES NATURELLES  
AU QUOTIDIEN

816 pages

3.35 kg



1948 edition



Northern Bee Books 2007

Polo





[thorne.co.uk](http://thorne.co.uk)





\_bars template

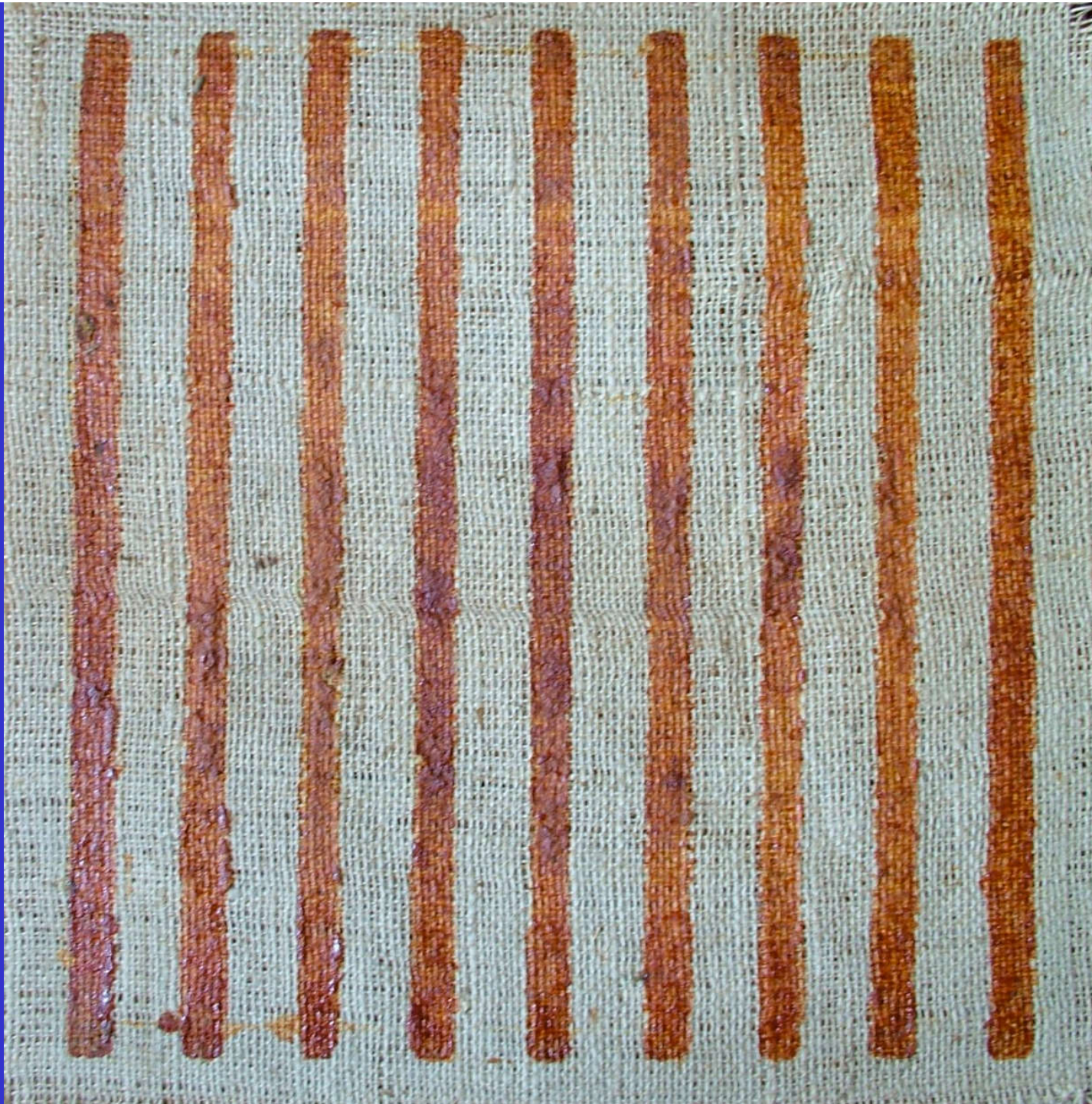




top-bar underside roughened

template pre-soaked in cold water

teaspoon bent to form  
a spout, containing  
melted wax





quilt





# Populating a Warré with a shook swarm from a National hive

## Stage 2

Repopulating  
the National's  
brood combs  
with nurse bees

## At the Hive Entrance

by H. STORCH



Storch, H. (1985)

## *At the Hive Entrance*

*How to know what happens inside the hive by observation of the outside*

Translated from *Am Flugloch*, European Apicultural Editions, Brussels.

# Warré hive with window







# UK National Bee Unit inspector checks a Warré





**Nading  
with a  
Gatineau  
lift**



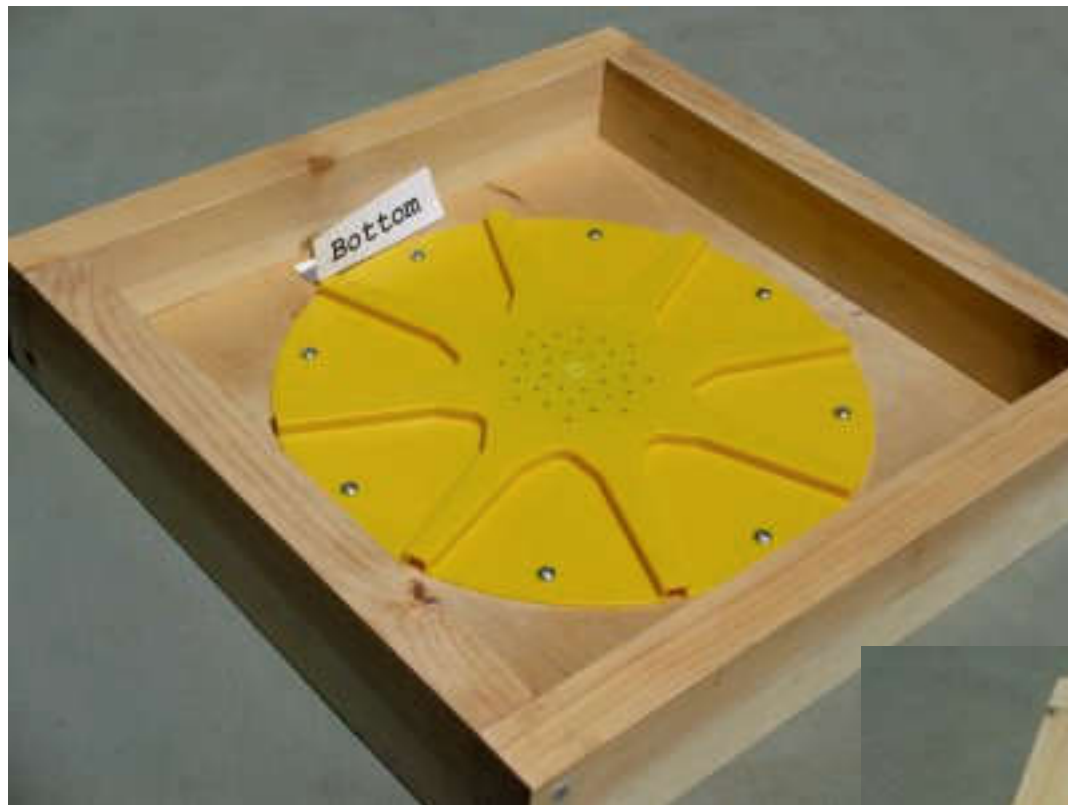
**Hefting  
with  
confidence**





**Warré format bait hive & scouts**

# 8-way bee escape



Clearer  
board









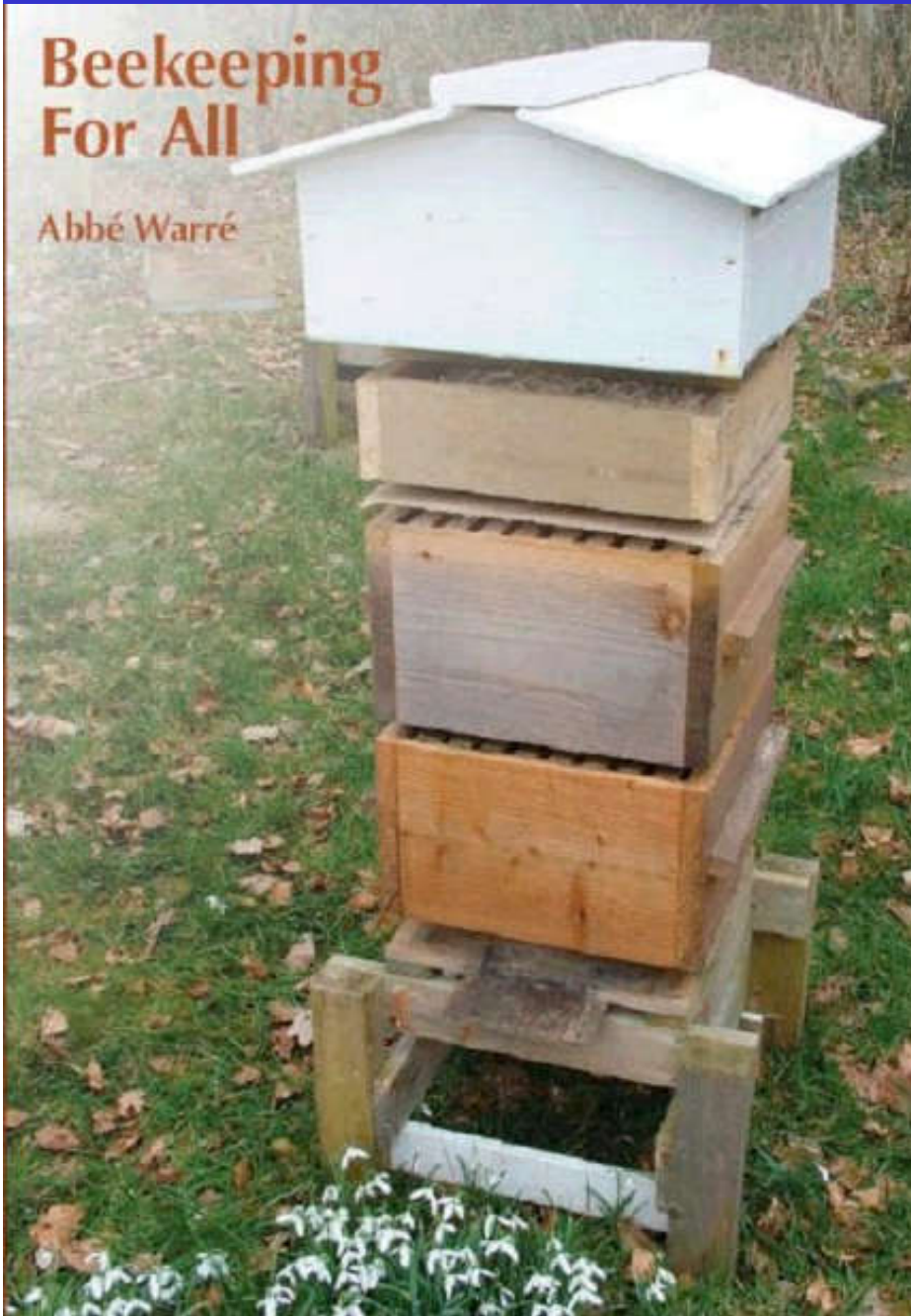
**Crush &  
strain**



**Pressing  
four Warré  
combs**

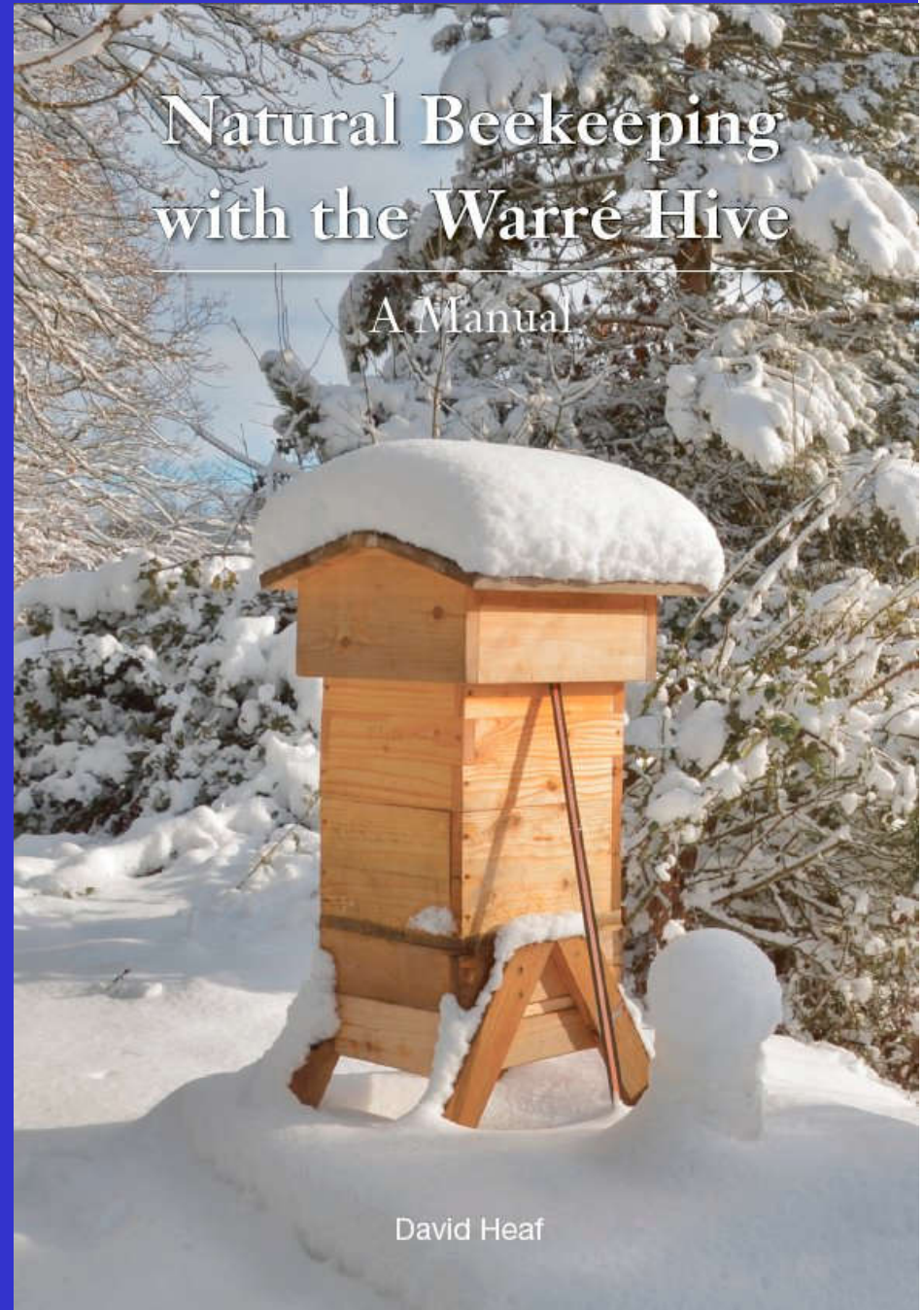
# Beekeeping For All

Abbé Warré



# Natural Beekeeping with the Warré Hive

A Manual



David Heaf

Warré beekeeping

internet portal:

<http://warre.biobees.com/>

Browser address bar: <https://groups.google.com/g/warrebeekeeping/about>

Groups

New conversation

- My groups
- Recent groups
- Favourite groups

---

☆ Starred conversations

warrebeekeeping

- Conversations 99+
  - Approved 99+
  - Pending
- People
  - Members
  - Pending members
  - Banned users
- About**
- My membership settings
- Group settings

Conversations Search conversations within warrebeekeepin ...

☆ warrebeekeeping 210 members [Leave group](#)

warrebeekeeping@googlegroups.com  
Joined on 13 Oct 2020


**Description**

Group Description

This group is intended for all those interested in apicentric, bee-friendly, sustainable and natural beekeeping based on the hive of Abbé Emile Warré (1867-1951) and described as the 'People's Hive' in his book Beekeeping For All.

More information:  
<http://warre.biobees.com/>






**Owners**

 David Heaf  
david@dheaf.plus.com

**Language**

English

**Privacy**

	Anyone on the web	can see group
	Group members	can view members
	Group members	can view conversations
	Group members	can post
	Anyone on the web	can ask to join the group

<https://groups.google.com/g/warrebeekeeping/about>

## Colony winter losses 2007-2021

Winter	Colonies wintered	Colonies survived	Loss %
2007/2008	6	6	0.0
2008/2009	11	6	45.5
2009/2010	12	10	16.7
2010/2011	12	4	66.7
2011/2012	15	13	13.3
2012/2013	12	12	0.0
2013/2014	15	14	6.7
2014/2015	14	13	7.1
2015/2016	12	9	25.0
2016/2017	13	13	0.0
2017/2018	13	11	15.4
2018/2019	10	10	0.0
2019/2020	9	8	11.1
2020/2021	9	9	0
<b>TOTALS</b>	<b>163</b>	<b>138</b>	<b>15.3 (average)</b>

## **Ages of colonies that have seen one winter**

30, 124, 137, 113, 100, 66, 18, 51\* months

Average: 80 months

\* 11-frame 'National' hive









Modified hive after  
Fedor Lazutin  
(1966-2015)





David Junker's  
bentwood & reed  
trough/horizontal  
hive



# Survey of winter losses in Gwynedd, Wales, 2010-2015

Winter	Survey responders	Colonies reported	Treated		Not treated	
			Colonies	% loss	Colonies	% loss
2010-2011	14	71	44	27	27	11
2011-2012 <sup>i</sup>	40	355	180	8	175	7
2012-2013 <sup>ii</sup>	53	251	75	41	176	32
2013-2014 <sup>iii</sup>	65	396	81	9	315	6
2014-2015 <sup>iv</sup>	77	500	97	8	403	8
			<b>477</b>	<b>19</b>	<b>1096</b>	<b>13</b>
			(Total)	(Average)	(Total)	(Average)

<sup>i</sup> Hudson, C. (2012) Results of 2011-2012 Winter Losses Survey. *The Welsh Beekeeper* No.179, Winter 2012, 18-19.

<sup>ii</sup> Hudson, C. & Hudson S. (2013) Results of 2012-2013 Winter Losses Survey. *The Welsh Beekeeper* No.182, Autumn, 2013, 38-40.

<sup>iii</sup> Hudson, C. & Hudson S. (2014) Results of 2013-2014 Winter Losses Survey. *The Welsh Beekeeper* No.185, Summer 2014, 25-29.

<sup>iv</sup> Hudson, C. & Hudson S.(2015) Results of 2014-2015 Winter Losses Survey. *The Welsh Beekeeper* No.189, Summer 2015, 8-12.

# Swiss visitors' trip to Wales, June 2019



Northern Bee Books,  
2021



Treatment-Free  
Beekeeping

David Heaf

The Bee-friendly Beekeeper  
**A sustainable approach**

David Heaf



The Bee-friendly  
Beekeeper

[www.bee-friendly.co.uk](http://www.bee-friendly.co.uk)