



1st International Hemp Building Symposium

16 - 18 September 2009, Kenmare, Ireland



Presentation by
STEVE ALLIN
HEMPBUILDING.COM
Wed 16th September

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HEMPBUILDING.COM

**The history of the development
and use of hemp construction
materials in Ireland.**

1996 -2009

by

Steve Allin

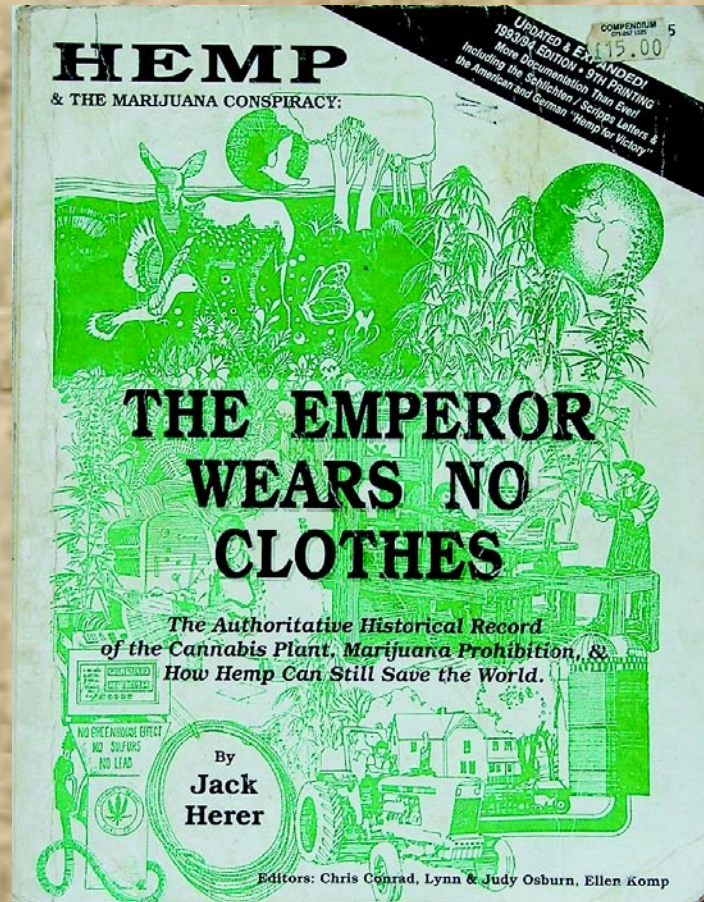
**1st International Hemp Building Symposium
Kenmare, Ireland 2009**



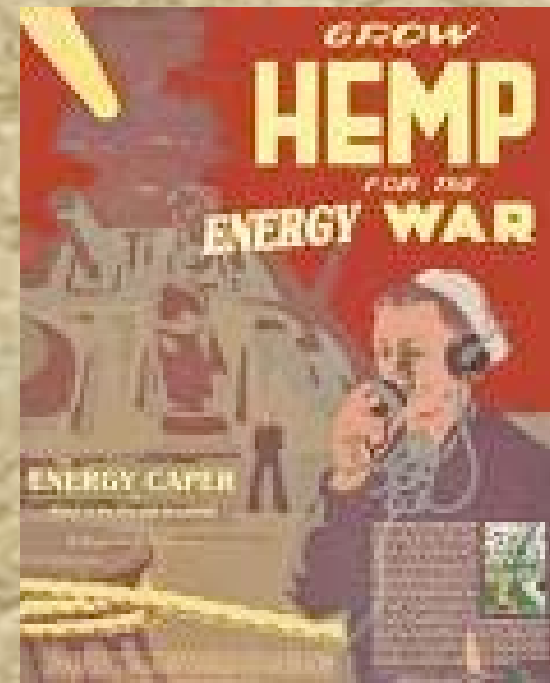
Charles Rasseti
The founding father of
Hempcrete construction



1st Hemp lime use
La Maison d'Turque

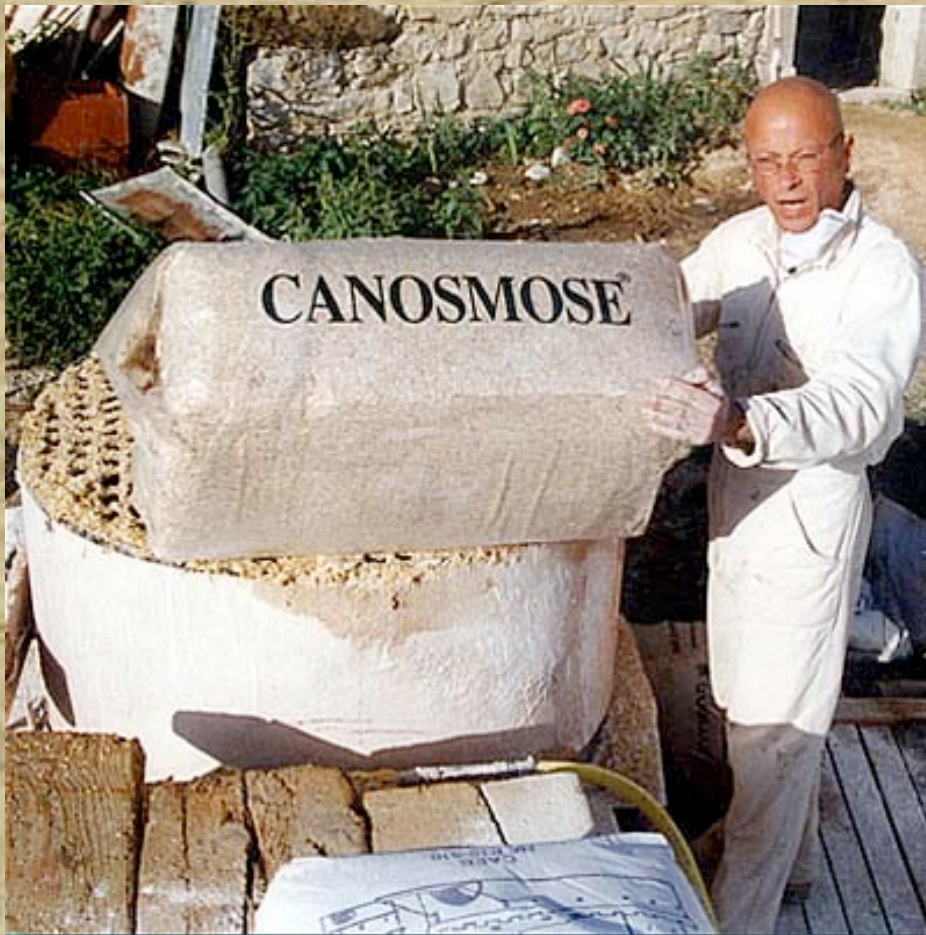


Jack Herer spread the word Internationally with his book "The Emperor wears no clothes"



France Perrier
Named her product
ISOCHANVRE 1995
and was the first person to
promote the possibilities
of a hemp-lime system





Meanwhile
in the South of France
Yves Khun was developing
a mixture using gypsum
and hydrated lime



1st hemp plaster
project my own
house in Kenmare
using hemp-lime
and cement.



Beginnings of hemp plaster supply
Now over 300 projects to date





1st hempcrete structure
In the Medieval Garden
Mallow Garden Festival
1999



1st Information stand at
Mallow Garden Festival
1999

SPREADING THE WORD



TELEVISION



RTE Ear to the Ground
Feb 2000





1st Hempbuilding Course
2000
Kenmare, Co Kerry





Kenmare 2003



Kenmare 2006



Rossinver 2004



Portumna 2007



Sneem 2009



SPREADING THE WORD



TECHNICAL MANUAL
2005



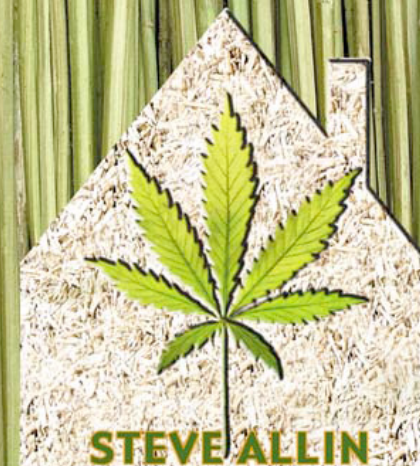
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plans



BUILDING
WITH
HEMP



STEVE ALLIN

RENOVATION PROJECTS



Marriage of Hemp plaster and stone

RENOVATION PROJECTS

COMBINATIONS OF HEMPCRETE
AND HEMP PLASTER



RENOVATION PROJECTS



Hempcrete floor with under-floor heating system



RENOVATION PROJECTS



Sprayed Hemp Plaster

RENOVATION PROJECTS



Smooth Hemp Plaster to soften the edges or express the character of an existing wall



EXTENSIONS



Extension to my own house

EXTENSIONS



Bathroom extension
Hemp walls with hemp plaster
externally and internally



GETTING ARTISTIC



GETTING ARTISTIC



What happens when you leave workers unattended



All kinds of situations and environments can utilize
The benefits of hemp plaster

An office

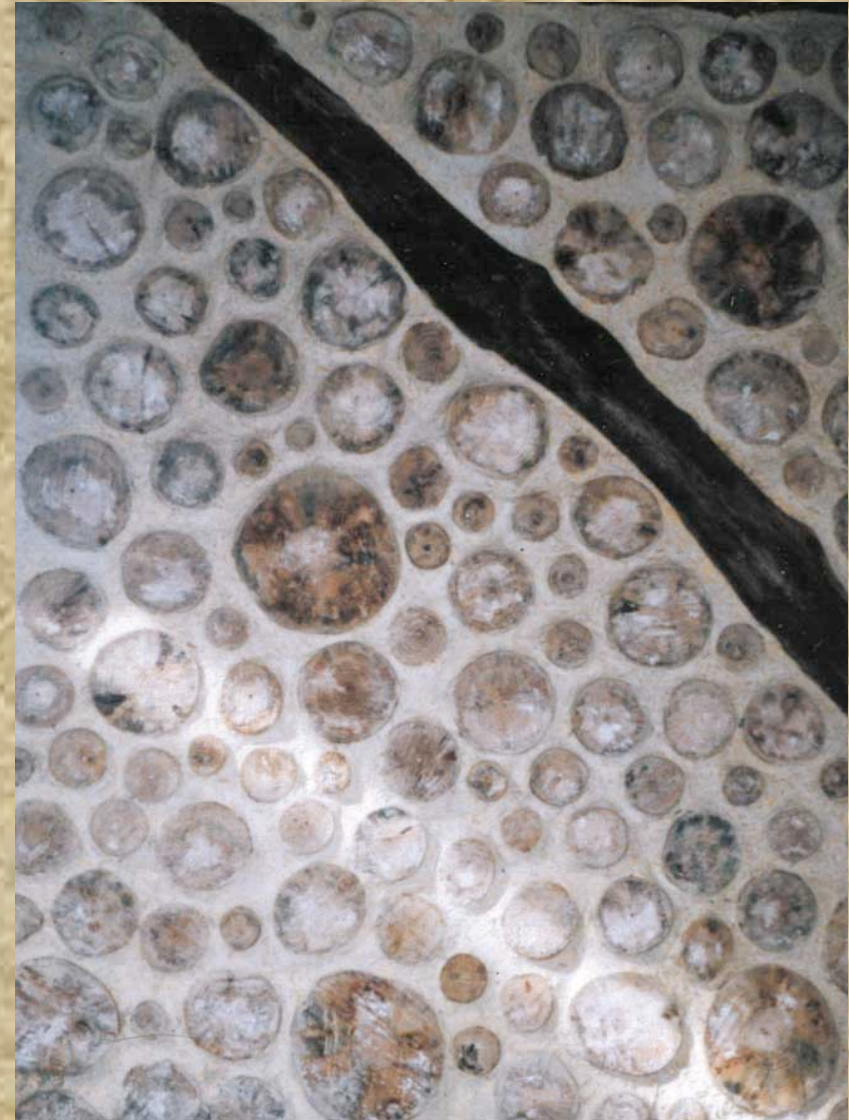


A swimming pool

Taking Hemp plaster abroad.
A Czech employee takes the
idea home to Czech Republic



OTHER USES



Hemp plaster on Straw bale * Hempcrete mortar for cord-wood

HEMP HOUSE PROJECTS



Low budget
starter
home
Kerry



HEMP HOUSE PROJECTS



AUGHA HOUSE



Timber frame was made to support
hand cast Hempcrete
But in the end it was sprayed

HEMP HOUSE PROJECTS



Hempcrete sprayed 30 cm thick
No scaffolding to hinder work

AUGHA HOUSE

HEMP HOUSE PROJECTS



AUGHA HOUSE



Lime render
sprayed on exterior



HEMP HOUSE PROJECTS



KERRY HOUSE



Timber frame of
150x50mm studs @
60cm centers



Due to weather conditions
The roof had to be covered
before spraying

HEMP HOUSE PROJECTS



KERRY HOUSE



Prototype Spray machine eventually worked after initial teething problems



HEMP HOUSE PROJECTS



KERRY HOUSE



Some areas of wall were cast as it was too difficult to access due to the roof



The light-weight qualities of hempcrete allows design benefits

HEMP HOUSE PROJECTS



KERRY HOUSE



Though not always desired the hemp building system can be come part of the appearance of the house



HEMP HOUSE PROJECTS



CORK HOUSE



Timber frame was part stud frame and part post and beam

HEMP HOUSE PROJECTS



DRIPSEY HOUSE



Walls were sprayed in 2 stages with the lower sections filled to first 1m of roof cavity



HEMP HOUSE PROJECTS



DRIPSEY HOUSE



Walls were sprayed with
rough-cast lime render



HEMP HOUSE PROJECTS



DRIPSEY HOUSE



Windowsills made from cut limestone



INTERNAL HEMPCRETE



STONE WALL SPRAYED WITH 100 MM OF
HEMPCRETE

SPREADING THE WORD



ECOBUILD London 2007



Kinsale Transition Town 2008

**Thank you for your
attention**

**Enjoy the rest of
the Symposium**