



The Secret Life of Brewer's Yeast

Inge Russell

Friday Jan 29, 2016
MBAA Toronto

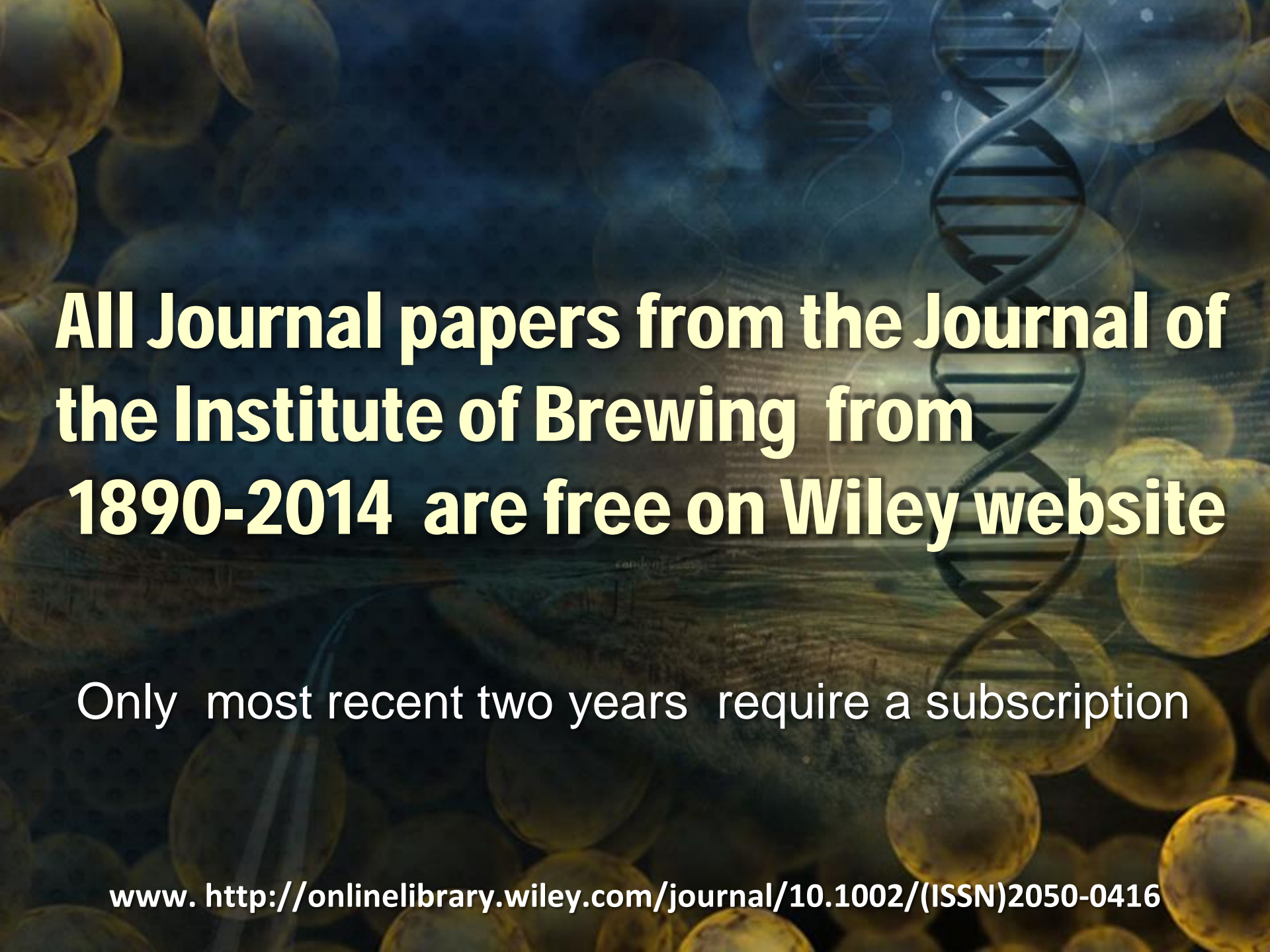
The Journey



- How the gene chip has changed yeast research
- Yeast travelling from dinosaur times to outer space
- Yeast 'Breaking Bad'
- Can yeast talk to each other ? Can they sing?
- Can we build a synthetic yeast?
- How yeast mummies take care of their babies
- Humanizing yeast!

The background is a complex digital composition. On the right side, a prominent DNA double helix structure is rendered in a dark blue color, extending vertically. The left and bottom portions of the image are filled with numerous glowing, semi-transparent yellow and orange spheres of varying sizes, some appearing as if they are floating or falling. In the center, a dark, atmospheric landscape is visible, featuring a road that recedes into the distance under a dark, starry sky. The overall color palette is dominated by deep blues, blacks, and vibrant yellows/oranges, creating a high-tech, scientific, and futuristic aesthetic.

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MEETING HELD FRIDAY, 7TH DECEMBER, 1894, AT THE
CRITERION RESTAURANT.

Mr. J. HERON (Vice-President) in the Chair.

*On a Case of Bacterial Infection by Air-sown Organisms :
A Practical Study.*

By HORACE T. BROWN, F.R.S., and G. HARRIS MORRIS, Ph.D., F.I.C.

In those particular maladies of beer which are distinctly referable to the presence and multiplication of specific organisms, as distinct from wild yeasts, the original source, in most cases, be traced either to the worts or to the contact with impure and contaminated surfaces, or to the introduction of the foreign and unwelcome impurity in the yeast, dry hops, finings, yeast-pressings, or mixing beers generally. It is not often that a clear case of Schizomycetal or bacterial infection can be traced to *direct* contamination of the worts with the floating organisms of the air, although we have good reason to believe that such instances of direct infection are by no means rare in the case of the Saccharomycetal ferments.

The infection of a wort by contact with impure surfaces is roughly paralleled by that class of zymotic diseases affecting man, which, like cholera and typhoid fever, require, as conditions for their subsequent propagation, both a predisposition on the part of the subject and an actual contact of the germ-laden animal excretions with certain tracts of the alimentary canal, a contact which is generally brought about through the medium of drinking-water or food. On the other hand, the rarer cases which come under the brewer's notice of bacterial maladies of wort and beer, caused by the *direct* agency of air-borne organisms, are closely analogous in their etiology to human

1894,

And we are still struggling with some of the same
problems as in 1894!



Thank you

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