# *Bondarzewia berkeleyi* (Fr.) Bondartsev & Singer

Syn: *Polyporus berkeleyi Fr.*

Profile Group: Basidiomycota, Russulales, Bondarzewiaceae

| | | |
|---|---|---|
| Macroscopic characters | shape | Stipitate; imbricate in large clusters, often in a rosette form |
| | size | Large, up to 25 x 15 x 3 cm |
| | texture | Tought to corky |
| | pileus | Tan to yellowish; finely tomentose or appressed-strigose to glabrous |
| | stipe | Branched; lateral; up to 8 cm thick |
| | context | Pale buff; corky |
| | pore surface | Tan |
| | pores | Circular to angular; 1-2 per mm |
| | tube layer(s) | Concolorous and continuous with context; decurrent on stipe; up to 2 cm thick |
| Microscopic characters | hyphal system | Dimitic; skeletal hyphae very thick |
| | clamp connections | None |
| | sterile elements | None |
| | basidiospores | Globose to subglobose; hyaline; ornamented with short; irregularly arranged; strongly amyloid ridges; 7-9 x 6-8 µm |
| Habitat characters | substrate/host | Fruiting from the base of hardwood trees and stumps; particularly common *Quercus* and *Castanea* |
| | seasonality | Annual |
| | type of decay | White stringy rot of the heartwood in roots and butts of living hardwoods; continuing decay in dead trees and stumps |
| | range | Hardwood forest regions of eastern North America |
| Notes | | Developing from an underground sclerotium |
| References | | Gilberrtsin & Ryvarden, 1986; Grand & Vernia, 2007; Overholts, 1953 |


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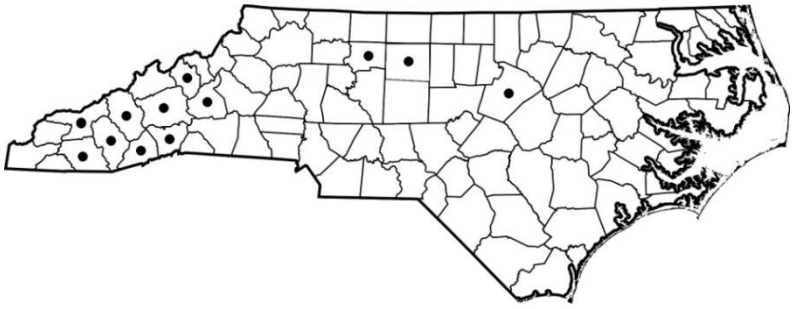

Species distribution in North Carolina

**Habit of Basidiocarps**

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**Pore Surface**

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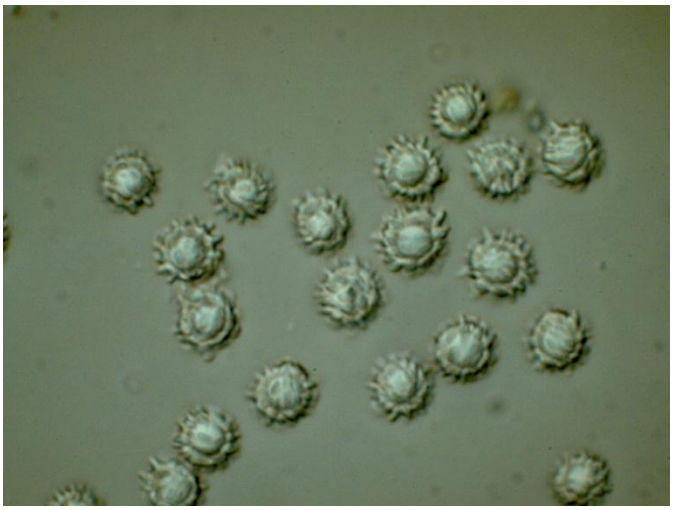
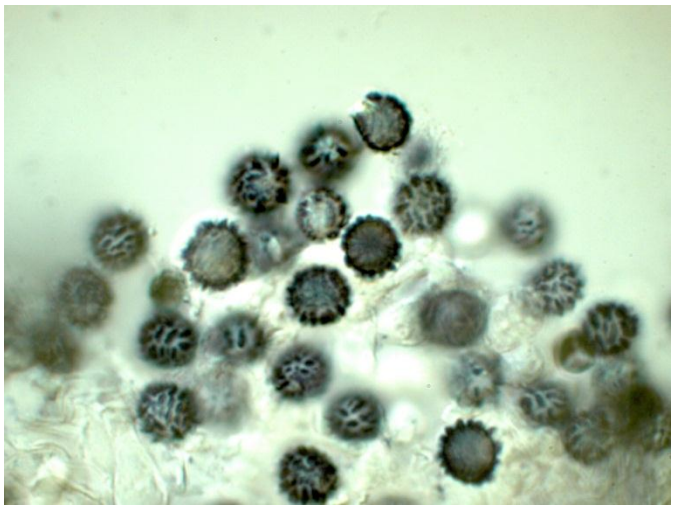
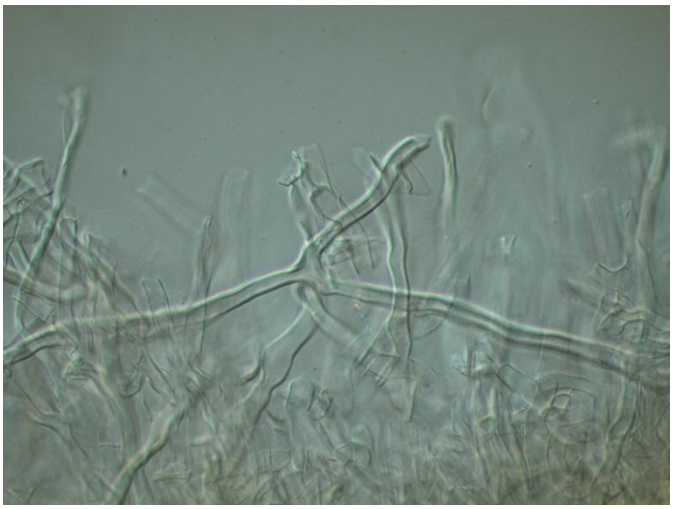
Last update: 09 March, 2011 by B.R. Cody
Last review: 11 March, 2011 by L.F. Grand



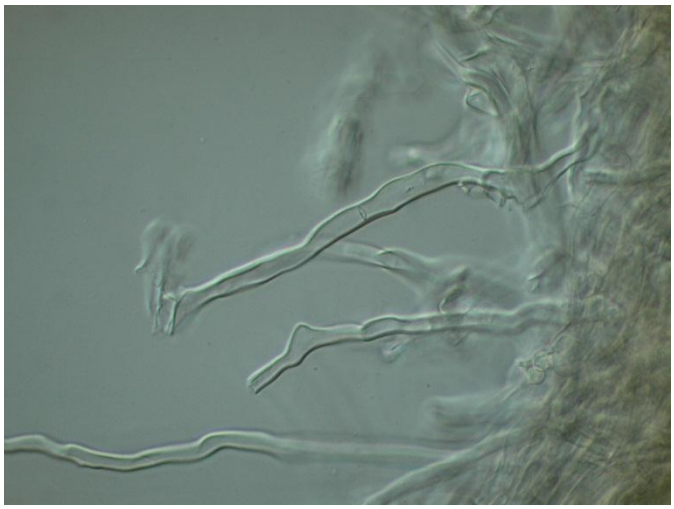
**Basidiospores – 1000 X**



**Basidiospores – 1000 X Amyloid Reaction**



**Skeletal Hyphae – 400 X**



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