



Free & Open Access to Biodiversity Literature

*Update on the
Biodiversity Heritage Library*

David Iggulden

21st October 2019 | Biodiversity Informatics 101

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Natural history literature and archives contain information that is critical to studying life on Earth.



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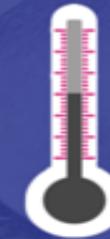
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BHL
Biodiversity Heritage Library



Inspiring Discovery through Free Access to Biodiversity Knowledge

10+ years of inspiring discovery
through free & open access
to biodiversity literature & archives
from the **15th-21st centuries**

Mission

The Biodiversity Heritage Library improves research methodology by collaboratively making biodiversity literature openly available to the world as part of a global biodiversity community.



BHL

Biodiversity Heritage Library



57+ MILLION

PAGES

150,000+

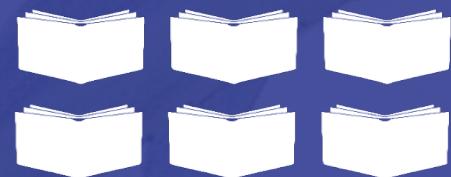
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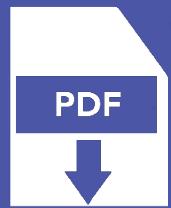
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formally taken up. We believe *Opuntia* ...
... smaller than those of the Mexican speci- mens. The flowers were described as red. *Opuntia* ...
... . Bot. Gard. 22 : pi. 13, 14, these two as *Opuntia perrita*. Plate X, figure i, represents a joint ...
[Plate X \(Illustration\)](#)
... 1. Joint of *Opuntia tunicata*. 2 to 5. Joints of *Opuntia spinosior*. (All natural size.) ...
[Page 67, Fig. 82 \(Text, Illustration\)](#)
... OPUNTIA. 67 pale green, with low, broad tubercles, these elongated and often 4 cm. long ...
... , this species is wrongly entered as *Opuntia modesta*! Figure 82 is from a photograph of a plant ...
... , 2 cm. long 34 o. *alcahes* o. *burrageana* 30. Fig. 82. — *Opuntia molesta* ...
... . *Opuntia fulgida* Engelmann, Proc. Amer. Acad. 3:306. 1856. *Opuntia mamillala* Schott in ...
... Engelmann, Proc. Amer. Acad. 3 : 308. 1856. *Opuntia fulgida* *mamillala* Coulter, Contr. U. S. Nat ...
[Page 68 \(Text\)](#)
... t5^ical plant to the left and the less spin}- plant to the right. 31. *Opuntia spinosior* ...

Pages

- Page 57 (Text)
- Page 58,Fig. 68 (Illustration)
- Page 59,Figs. 69-70 (Illustration)
- Page 60,Figs. 71-72 (Illustration)
- Page 61,Fig. 73 (Illustration)
- Page 62,Figs. 74-76 (Illustration)
- Page 63,Figs. 77-78 (Illustration)
- Page 64,Fig. 79 (Illustration)
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- Plate X (Illustration)
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- Page 67,Fig. 82 (Illustration)

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Scientific Names on this Page

[Plate X \(Illustration\)](#)

Taxonomic Name Recognition

Opuntia
Opuntia spinosior
Opuntia tunicata

1. Joint of *Opuntia tunicata*. 2 to 5. Joints of *Opuntia spinosior*.
(All natural size.)

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Global Biodiversity
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BHL

Biodiversity Heritage Library



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Biodiversity
Information
Standards
T D W G



A Commitment to Open Access...

BHL is a charter signatory of the **Bouchout Declaration** for Open Biodiversity Knowledge Management.

Fundamental principles of the Declaration:

Free & Open Use

Policies to Foster Free & Open Access

Registers for Content & Services

Linked Data

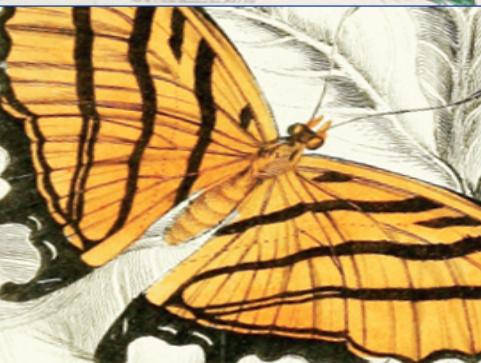
Sustainable Knowledge Management

Infrastructure, Standards & Protocols to Improve Access

Persistent Identifiers

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Thank You!

Questions?

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