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The features marked with a star (*) are based entirely on material taken straight from standard research (and other Official and Therefore Always Correct) literature. Many of the other articles are genuine, too, but we don't know which ones.

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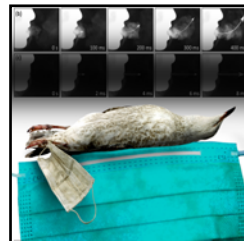
There's always new improbable — it's not what you expect! — stuff on the **Improbable Research blog** at [IMPROBABLE.COM](https://www.improbable.com)

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category/the-weekly-improbable-research-podcast/](https://www.improbable.com/category/the-weekly-improbable-research-podcast/)

On the Front Cover

CENTER: A dead seagull entangled with a discarded pandemic-time face mask, both collected from a road in Rotterdam, The Netherlands. Photo: Erwin Kompanje.



TOP AND BOTTOM: Air exhaust patterns from the mouth of an opera singer. See page 28.

On the Back Cover

A professor in a mask, in a coffee shop, in a pandemic. Photo: A.S. Kaswell.



Some Coming Events

The Covid-19 pandemic has introduced excitingly boundless uncertainty as to whether, when, and where public activities will happen in the near future. In 2022 some will happen teledistantly.

See [IMPROBABLE.COM](https://www.improbable.com) for details of these and other events:

NOTE: The 2022 Ig Nobel Euro (and Britannia) Tour was, like the 2020 and 2021 tours, canceled because of the pandemic

Improbable Conversations with Researchers—

See schedule on the web site.

April 9, 2022—
TEDx IIITA, Allahabad, India

September, 2022—
The 32nd First Annual Ig Nobel Prize Ceremony



MAY WE RECOMMEND: BUGBEE ON BUGS THAT BUG BEES

An item that merits an extra look

by Stephen Drew, Improbable Research staff

Bugbee on Bugs that Bug Bees

"A New Species of the Genus *Eurytoma* Illiger Parasitic on Bees of the Genus *Ceratina* Latreille (Hymenoptera: Eurytomidae and Apoidea)," Robert E. Bugbee, *Pan-Pacific Entomologist*, vol. 42, no. 3, 1966, pp. 210-211.

A New Species of the Genus *Eurytoma* Illiger Parasitic on Bees of the Genus *Ceratina* Latreille (Hymenoptera: Eurytomidae and Apoidea)

ROBERT E. BUGBEE

Allegheny College, Meadville, Pennsylvania

The specimens on which the new species is based were sent to me by Dr. Gerald I. Stage, Division of Biological Control, University of California, Albany, California.

***Eurytoma apiculae* Bugbee, new**

FEMALE.—Length averages 4.2 mm (3.1–4.8). Black legs, scape and brown wing veins. Abdomen averages 2.0 mm long, oval from a lateral and a dorsal view with medium lat



*Robert E. Bugbee.
Drawing by Nan Swift.*