

# BugDorm

## Detachable Insect Rearing Cages

*Fast and Easy ...  
Assemble in minutes.*



### BugDorm-1 (DP1000)

- 890g
- 25x17 mesh screen w/ polypropylene supports
- 30cm<sup>3</sup>

### BugDorm-2 (DC1000W)

- 400g
- 104x26 mesh screen w/ polypropylene and PVC supports
- 60cm<sup>3</sup>



### BugDorm-3 (DC2000W)

- 405g
- 104x26 mesh screen w/ polypropylene and PVC supports
- 60cm<sup>3</sup>
- Open bottom for total plant entrapment

BugDorms are ideal for rearing mosquitoes, houseflies, butterflies, moths, agricultural pests, medical vectors, and other small animals. Using BugDorm for research or hobbies is economical; it will ultimately save you time and money!! They are easily washable and their revolutionary design make them lightweight and easy to transport.

We also produce **Collecting Lights**, **Insect Nets**, **Malaise Traps**, and lots more. For more details, please visit our web site:

**[www.megaview.com.tw](http://www.megaview.com.tw)**

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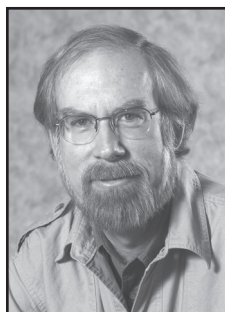
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## EDITOR'S NOTE

# What Pluto and the Orthoptera Have in Common

As I write this, the media is abuzz with the news that Pluto is no longer a planet, and astronomers on both sides of the issue are trying to come to grips with the new situation. Encyclopedias are poised to rewrite the chapters on the solar system to reflect the new arrangement of eight planets instead of the nine we grew up memorizing. Changing such fundamental views is not easy for some to accept.

In our own discipline, we have also faced our own "Pluto," as anyone who teaches basic entomology or gives lectures to the public has had to explain what happened to the Orthoptera of days gone by. When I took entomology for the first time in 1972, the order Orthoptera included the grasshoppers, crickets, roaches, walkingsticks, and mantids. Three years later, I was dealing with new classification that split up the Orthoptera, placing roaches, walkingsticks, and mantids into their own separate orders, just as Pluto has been placed in the new "order" of dwarf planets.



Some teachers have complained about the change in Pluto's status; and others have commented that now that Pluto is a dwarf planet, it will attract more interest. This issue underscores a fundamental concept of learning. Rather than simply thinking of Pluto as a planet, we now must come to grips with what it is that defines a planet, and teachers can use the issue to improve critical thinking. If the astronomical community had considered what happened in entomology when the Orthoptera were divided, they would have seen that the level of discussion about what defines an order became more enlightening. When I encountered the new classification in Ellis MacLeod's taxonomy class, I was presented with details about the evolutionary relationships of the orders that are lost when just memorizing lists. What had been a process of simply listing features became a dynamic example of the history of the orders, and this provoked all sorts of discussions while we collected and curated our insects. The demotion of Pluto does not dismiss it from the solar system; it welcomes Pluto to the discussion. Regardless of the terminology, Pluto is still out there in the far reaches of the solar system, and roaches are still scurrying under our cabinets.

*Gene Kritsky*

## A riddle:

What kind of boat does an entomologist need?

Answer on page 203