

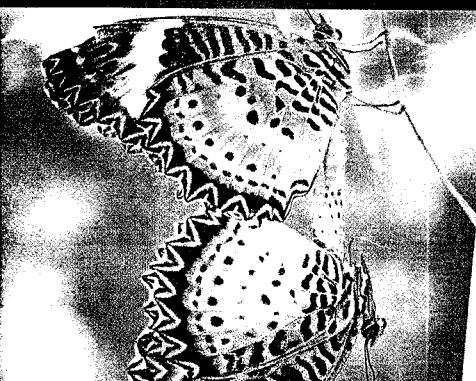
### PERIODICALS COVERED

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1.	American Biology Teacher	77/06	August	2015	01
2.	American Journal of Physics	83/11	November	2015	02-03
3.	Campus Counsellor	09/04	December	2015	04
4.	Current Science	109/10-11	Nov.-Dec.	2015	05-09
5.	Desh (B)	59/03-04	7-18 <sup>th</sup> Dec.	2015	10
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B= Bengali    H= Hindi    O= Oriya

# THE AMERICAN BIOLOGY TEACHER



## About Our Cover

The eye-catching colors of the leopard lacewing butterfly (*Cethosia cyane*) are more than just attractive. They are an example of aposematic coloration, serving as a warning to potential predators that the butterfly is unpalatable. The toxic compounds are produced through the concentration of chemicals produced by the primary food source of the lacewing, the leaves of the stinking passionfruit (*Passiflora foetida*). Although the vivid colors serve a purpose, the species exhibits sexual dimorphism, with the males exhibiting brighter colors than the females. As further protection against predation, the species also releases offensive secretions when disturbed.

First described in 1770 in Bengal, India, the leopard lacewing is common throughout Southeast Asia. Although the species has been observed more broadly in recent years, loss of suitable habitat and food sources have reduced populations in some areas. As a caterpillar, the species is highly social and often clusters in large groups to eat or molt, and during mating season the butterfly can still be observed in large numbers in forested areas. Because of its attractive markings, this species is also a popular resident in butterfly sanctuaries, such as the one in Scottsdale, Arizona, where this photograph was taken.

This photograph depicts the mating behavior of the leopard lacewing butterfly. It was taken with a Nikon D7100 camera with a 105mm f/2.8 prime lens at f/5.6 and ISO 720, shooting handheld at 1/125 second. The photographer, Kristen Kohli, is a biology teacher, department chair, and science curriculum coordinator at Estrella Foothills High School in Goodyear, Arizona.

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Each year, AAPT awards several two-year Hashim A. Yamani AAPT Memberships, which are regular electronic memberships and include electronic only access to copies of the American Journal of Physics, The Physics Teacher, and Physics Today. These grants are supported by the Hashim A. Yamani Fund, which was endowed in 2011 by generous contributions from several colleagues and mentees of Dr. Hashim A. Yamani, a prominent and well respected physics educator, researcher, and public servant in Saudi Arabia. An individual eligible for a Yamani Membership must be either an undergraduate senior who is planning a career teaching physics in his or her native country, or a graduate student who is in his or her last two years before receiving his or her final post-baccalaureate degree and who is planning a career teaching physics in his or her native country, or an early-career professional in his or her first five years of physics teaching in his or her native country. Citizens of any



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Empowering the new generation

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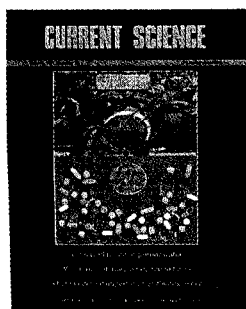
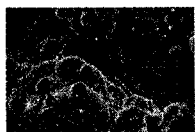
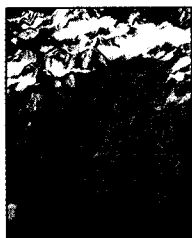
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