

5-1931

Butterflies Taste With Their Legs

Follow this and additional works at: https://scholarworks.uni.edu/science_bulletin

 Part of the [Health and Physical Education Commons](#), and the [Science and Mathematics Education Commons](#)

Let us know how access to this document benefits you

Copyright ©1931 by Iowa State Teachers College

Recommended Citation

(1931) "Butterflies Taste With Their Legs," *Science Bulletin*: Vol. 3: No. 9, Article 7.

Available at: https://scholarworks.uni.edu/science_bulletin/vol3/iss9/7

This Contents is brought to you for free and open access by UNI ScholarWorks. It has been accepted for inclusion in Science Bulletin by an authorized editor of UNI ScholarWorks. For more information, please contact scholarworks@uni.edu.

Offensive Materials Statement: Materials located in UNI ScholarWorks come from a broad range of sources and time periods. Some of these materials may contain offensive stereotypes, ideas, visuals, or language.

SCIENCE BULLETIN

Editor-in-Chief: W. H. Kadesch. Advisory Board: Dr. L. Begeman, Head, Department of Physical Science; Dr. E. J. Cable, Head Department of Natural Science.

Issued Monthly. Entered as second class mail matter at the post-office, Cedar Falls, Iowa, under the act of August 24, 1912.

Five cents per copy, 35c per year, outside of Iowa.

The current number of the Bulletin completes the series for Volume 3. We trust that our readers have found something of value in each issue, and hope that they have viewed with charity whatever shortcomings we have shown. We wish them all a pleasant and profitable summer.

Teachers Courses In The Sciences

This College offers courses in the teaching of the sciences, for high school science teachers, as follows:

1. The Teaching of the Biological Sciences, 3 hours.
Open to Juniors and Seniors who have 15 hours of credit in Biological Science.
2. Teachers' Course in Physics, 5 hours.
Open to Juniors and Seniors who have 10 hours of College Physics, or who have positions as teachers of Physics.
3. The Teaching of Chemistry, 5 hours.
Open to Juniors and Seniors.

All of these are on the schedule of courses to be offered during the forthcoming summer term.

BUTTERFLIES TASTE WITH THEIR LEGS

Miss Almeda Anderson, of the University of Minnesota, has discovered that Monarch butterflies taste with their legs. In testing their responses to clear water

and to solutions of milk sugar and cane sugar she found that they were attracted only by the last, but that to this they were very sensitive. They were able to detect sugar in a solution only one-sixteen-hundredth part as strong as the weakest sugar solution a human being can taste.

TEXT BOOKS IN PHYSICS

In the November number of the Science Bulletin a list of text books on General Science was given, with a brief statement concerning each. Below is given a list of high school texts on Physics. Additional information concerning these may be obtained from the publishers.

1. Dull—Modern Physics.
29 chapters, 778 pages, 780 figures.
Accompanied by Answer Book and Manual, 85 pages; and by Laboratory Exercises, 217 pages, 77 experiments.
Henry Holt and Co., Chicago.
2. Black and Davis—New Practical Physics.
31 chapters, 645 pages, 605 figures.
Accompanied by Work and Test Book, by Hurd, 148 pages, 19 units.
The Macmillan Co., Chicago.
3. Fuller, Brownlee, and Baker—Elementary Principles of Physics.
37 chapters, 859 pages, 728 figures.
Accompanied by Laboratory Exercises, 321 pages, 93 experiments.
Allyn and Bacon, Chicago.
4. Millikan, Gale, and Pyle—Elements of Physics.
21 chapters, 509 pages, 493 figures.
Accompanied by Exercises in Laboratory Physics, by Millikan, Gale, and Davis, 133 pages, 63 experiments.
Ginn and Co., Chicago.
5. Lake and Unsel—A Brief Course in Physics.
8 chapters, 35 sections, 468 pages, 318 figures.