The Efficient Parasite: Dr. N. H. Swellengrebel — 465
The Kinetics of Contact Catalysis and the Industrial Background: Dr. Hugh Stott Taylor — 469

Scientific Events:
The Australian Committee on Animal Production; The Dutch Elm Disease in Connecticut; Expedition to the Badlands of South Dakota; Portraits of Distinguished Chemists; Lectures to the Lay of the New York Academy of Medicine. Recent Deaths and Memorials — 472

Scientific Notes and News — 474

Discussion:

Scientific Books:
The Theory of Probability: Professor Arthur H. Copeland. Eugenics: Dr. Chas. B. Davenport — 479

The National Academy of Sciences:
Abstracts of Papers — 481

Reports:
The National Defense Research Committee — 484

Special Articles:
The Logistic Curve and the Census Count of 1940: The Late Professor Raymond Pearl, Dr. Lowell J. Reed and Joseph F. Kish. The Heparins of Various Mammalian Species and Their Relative Anticoagulant Potency: L. B. Jacques — 486

Scientific Apparatus and Laboratory Methods:
Electro-Foliar Diagnosis: Dr. C. H. Spurway. A Simple "Live" Trap: Dr. M. W. Johnson — 489

Science News — 8

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THE EFFICIENT PARASITE

By Dr. N. H. Swellengrebel
Professor of Parasitology, University of Amsterdam

The paper I was supposed to read, but did not, in Section V of this congress bore the title, "The Efficient Parasite." I am going to tell you of a highly efficient parasite I came across in the bush-country of Dutch Guiana. But before coming to that, let me first explain to you what I understand by the word "parasite." Once I have made that clear, the other word, "efficient," will need no explanation.

Now, I beg of you, keep this in mind, that I am not going to tell you what a parasite is, but only what I understand this word to signify. It is simply a matter of definition. Many, or all, of you may have an entirely different definition in mind. So all I ask of you is to accept my definition just for argument's sake and for a period of forty minutes. By the end of that time you may reject it without giving it another thought.

Well, then, by parasite I understand an organism wholly dependent on another living organism for its food, its shelter and its reproduction. That other living organism, which provides the parasite with board and lodging, including sufficient shelter to carry on its love affairs without awkward disturbances of any kind, is usually called "the host." If the host is to be of any use to the parasite, it ought to be a living host; a dead host is no good. Now, please, keep that in mind: a dead host is not a host any longer. When the host dies, the whole brood of parasites inside or on his body dies with him. I need not give you any examples; you all have them at your fingers' ends.

I now ought to admit at once that this statement is not always true. A very striking example is offered by the anthrax bacillus. That is an organism which actually thrives on the death of its host. In fact, it could not continue its existence without that death. It
Editor's Summary

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