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Book Reviews

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nutritional deficiencies in livestock should not be overlooked.

The symptoms and pathologic changes described, together with the blood picture, should be the guide for diagnosis of nutritional anemia.

The most common deficiencies occurring in swine have been described and effective means of correcting these deficiencies have been discussed. Certain supplements to inadequate rations have been suggested relative to certain specific deficiencies. However, the changes in feed should be gradual as a radical change might cause a severe digestive disturbance which might prove detrimental to pigs showing clinical symptoms of anemia.

Certain infectious diseases and parasitic infestations resulting in loss of ap­trition and generalized toxemia are factors favorable to the development of nutritional anemia.

**Book Reviews**


This is the first American text to adequately cover the field of animal disease from the standpoints of General Pathology, Systemic Pathology and the Special Pathology of the Specific Infectious Diseases. The veterinarian and the veterinary student feel the need for text and reference books just as much as do the physician and the medical student. The relatively small number of veterinarians and veterinary students make publication a difficult problem to the business management of a publishing house. This explains, at least in part, the relative scarcity of books on animal disease.

Doctor Runnells and his publisher have produced a clearly written, attractively printed and bound volume with excellent half-tone illustrations. When used as a teaching text it should obviate the tedious note-taking so necessary in the past. Animal Pathology may now be taught on a recitation-discussion basis to the profit of both student and instructor. Its adoption as a required text by all the veterinary colleges in North America will insure the necessary revision that keeps any text alive and up-to-date.

Errors in printing are surprisingly few and there are no seriously objectionable interpretations of the process of disease as viewed in the light of our present inadequate knowledge of certain of them.

The brevity of the text may appear as a disadvantage, but the reference at the end of each chapter are intended to provide the more advanced reader with sufficient source material. This keeps the cost of the book within reason.

_E. A. Benbrook_

**A Vitamin Deficiency**

Absence of Vitamin A, rather than any poisonous substance in the meal itself, is back of the so-called cotton seed meal "poisoning" which quite often develops in dairy herds and in beef cattle on feed.