

BIBLIOGRAPHY OF THE TANNOIDS

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J. CHRISTIAN BAY

**BIBLIOGRAPHY
OF THE TANNOIDS**

MATERIAL FOR A MONOGRAPH ON THE TANNOIDS, WITH
SPECIAL REFERENCE TO VEGETABLE PHYSIOLOGY.

BY J. CHRISTIAN BAY.

In the Transactions of the Academy of Science of St. Louis, Volume vi, No. 6, was published my material for a monograph on inuline. This paper, the second of a series of similar bibliographical contributions that I contemplate bringing together, deals with the tannoids, long known as a very important constituent of the cells of many plants. As this bibliography is particularly written from the standpoint of vegetable physiology, much of the purely chemical and technical literature has not been taken into account, though the list is intended to be complete, with this exception, up to the end of 1890. Most of the references in these papers were collected in 1891, but for certain reasons I have been unable to print any of the papers until the present time. Meanwhile, several important papers have been published by Brämer, Nickel, and Reinitzer, directing the investigation of the tannoids into a new course, and showing the imperfections of many of the so-called biological investigations.

No excuse is needed for the publication of bibliographies of this character, other than is afforded by the papers referred to. In vegetable physiology, as in all other branches of the exact sciences, every experiment must be taken into account, although conclusions and theories undergo constant changes; and the reference to such experiments is very difficult without collected bibliographies dealing with each subject.

Although the present list of papers is thought to be nearly complete, small omissions have probably crept in, and those who know from experience how difficult it is to bring together references to the literature of any special

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subject will, it is hoped, pardon these, and I shall appreciate any additions that can be brought to my notice. To my friend Mr. George Neumann, of Copenhagen, I am very much indebted for friendly assistance.

Aside from a few self-explanatory contractions, the principal abbreviations made use of are the following:—

A. or L. A. = Liebig's *Annalen der Chemie und Pharmacie*. Since 1832.

Ann. de chim. = *Annales de chimie*. 96 voll. 1789-1815.

Ann. de chim. et phys. = *Annales de chimie et de physique*. Since 1816.

Ann. sci. nat. = *Annales des sciences naturelles. Botanique*. Since 1824.

Arch. der Pharm. = *Archiv der Pharmacie*.

B. Z. = *Botanische Zeitung*. Since 1843.

Berichte = *Berichte der deutschen chemischen Gesellschaft*.

Berichte d. b. G. = *Berichte der deutschen botanischen Gesellschaft*.

Bot. Centralbl. = *Botanisches Centralblatt*. Since 1880.

Bull. soc. chim. = *Bulletin de la société de chimie de Paris*.

C. R. = *Comptes Rendus hebdomadaires des séances de l'Académie des Sciences*. Paris.

J. pr. Ch. = *Journal für praktische Chemie*. Since 1834.

Journ. Linn. Soc. = *Journal of the Linnean Society. Botany*. Since 1857.

Journ. de pharm. = *Journal de pharmacie*. Paris. Since 1815.

P. T. = *Philosophical Transactions of the Royal Society of London*.

Pringsh. Jahrb. = *Pringsheim's Jahrbücher für wissenschaftliche Botanik*. Since 1859.

Sitz. Wien. = *Sitzungsberichte der k. k. Akademie der Wissenschaften, naturwiss.- mathem. Classe*. Wien.

Z. anal. Ch., or Fr. Z. = *Fresenius's Zeitschrift für analytische Chemie*.

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