





CONTENTS AND INDEX

THE PHILIPPINE

JOURNAL OF SCIENCE

VOLUME I (1906) TO VOLUME X (1915)



MANILA
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NOTICE

For a long time we have felt the need of a collective index for the first ten volumes of the Philippine Journal of Science. The annual indices have been of great service, but have not all been uniform and are not sufficiently complete to indicate all of the material in the respective volumes. Therefore this index has been compiled in uniform style and minuteness from the original articles. The form is quite different from that of the yearly indices, the variations having been planned in the interest of completeness and convenience. In this way we have endeavored to eliminate errors and have detected omissions. The compilation of this ten-year index was begun in 1915, and it was our intention to issue it very soon after the completion of the tenth volume. The work of the preparation of this index has been very large, and less clerical help has been also available than was at first anticipated. For that reason the index has not been issued as promptly as was planned.

ALVIN J. COX,

Editor, Philippine Journal of Science.

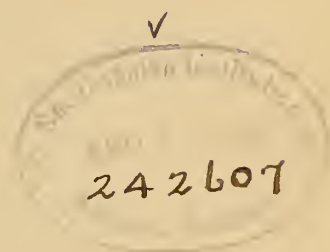
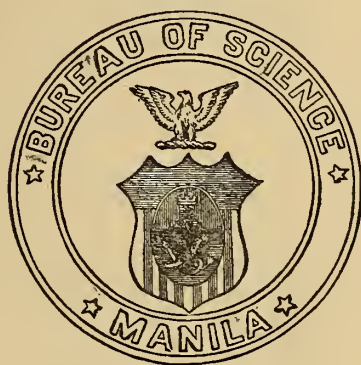
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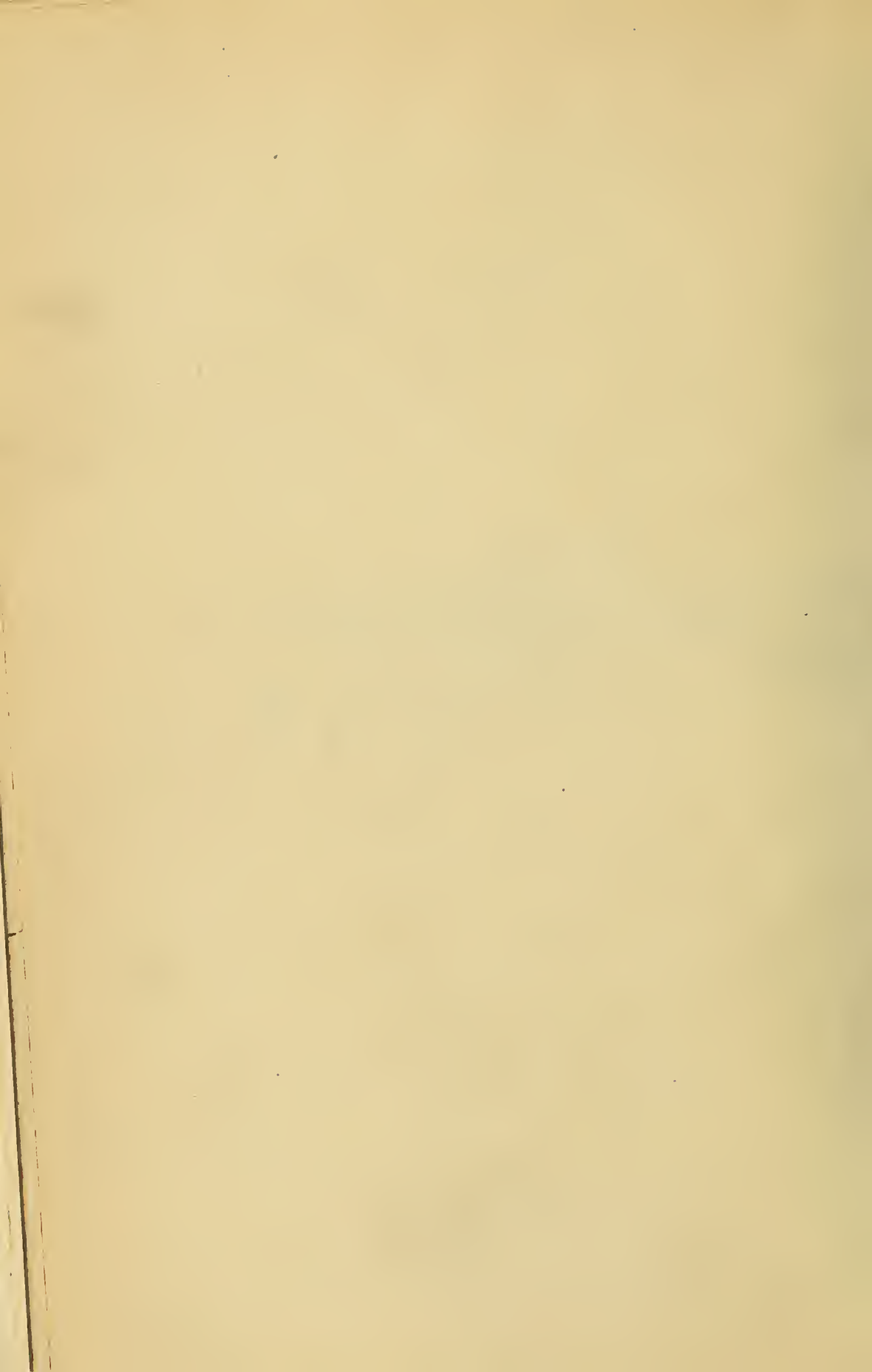
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INTRODUCTION

This volume includes a complete contents of the Philippine Journal of Science, Volumes I to X (1906 to 1915);¹ an author index; and a subject index.

Volume I (1906) was issued in one section of ten numbers, with a botanical supplement of five numbers.

Volumes II to IV (1907-1909) were issued in three sections of six numbers each:

- Section A, General Science.
- Section B, Medical Sciences.
- Section C, Botany.

Volumes V to X (1910-1915) were issued in four sections of six numbers each:

- Section A, Chemical and Geological Sciences and the Industries.
- Section B, Medical Sciences.
- Section C, Botany.
- Section D, Ethnology, Anthropology, and General Biology.

The names of some of the sections were occasionally subjected to slight changes. All of these will be found indicated in the contents, as well as the actual date of issue of each number of the Journal. The author index follows the contents. Classification of all articles is included in the subject index.

The following is the scheme of classification adopted:

Anatomy.	Chemistry:
Anthropology.	Acids, alkalies, and salts.
Apparatus.	Analytical.
Bacteriology.	Apparatus, <i>see</i> Apparatus.
Bibliography.	Biological.
Botany:	Botany.
Algæ.	Cellulose and paper.
Bryophyta.	Cement and other building materials.
Ecology.	Dyes and textile.
Economic.	Fats, fatty oils, and soaps.
Fungi.	Fermented and distilled liquors.
General.	Foods.
Lichenes.	Fuels, gas, tar, and coke.
Morphology.	General and physical.
Myxogastres.	Glass and ceramics.
Phytogeography.	Inorganic.
Plant physiology.	Leather and glue.
Pteridophyta.	Mineralogical and geological.
Spermatophyta.	

¹ Paul C. Freer, M. D., Ph. D., general editor, 1906-April, 1912; Alvin J. Cox, M. A., Ph. D., general editor, May, 1912, to date.

- | | |
|---|---|
| Chemistry—Continued. | Pathology, <i>see</i> Bacteriology, Histology, Medicine-Parasitology, and Medicine-Pathology. |
| Organic. | |
| Paints, varnishes, and resins. | |
| Petroleum, asphalt, and wood products. | Physics. |
| Pharmacology. | Science, Bureau of. |
| Radioactivity. | Technic, collecting. |
| Soils and fertilizers. | Zoölogy: |
| Sugar, starch, and gums. | Amphibia. |
| Water, sewage, and sanitation. | Annulata. |
| Geology: | Arachnida. |
| Dynamic and structural. | Aves. |
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Volume numbers are printed in Roman numerals, sections are indicated by capital letters, the supplement to Volume I is indicated by the abbreviation "s," and page numbers are printed in Arabic numerals. Page references to new scientific names or new combinations are printed in heavy-faced type. In case a name is repeated several times in an article, only the first, or most important, reference is indexed. Articles in the memorial number of Volume VII are distinguished by the letters "m. n." followed by the page number in Roman numerals.

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 Reviews (book):
 Alcock, N. H., A textbook of experimental physiology for students of medicine, v, B, 453.
 Allin, Benjamin Casey, Allin's standard English-Visayan dictionary, vi, D, 281.
 Bailey, E. H. S., A laboratory guide to the study of quantitative analysis, x, A, 97.
 Bailey, E. H. S., The source, chemistry, and use of food products, x, A, 97.
 Bainbridge, William Seaman, The cancer problem, x, B, 356.
 Baker, Richard T., and Smith, Henry G., A research on the pines of Australia, v, C, 545.
 Bartley, Elias H., Text-book of medical and pharmaceutical chemistry, v, A, 305.
 Bean, Robert Bennett, The racial anatomy of the Philippine islanders, vi, D, 223.
 Beard, Charles H., Ophthalmic surgery, vii, B, 126.
 Biglow, S. Lawrence, Theoretical and physical chemistry, vii, A, 131.
 Blanchard, Raphaël, L'Insect et l'infection, histoire naturelle et médicale des arthropodes pathogènes, v, B, 357.
 Blech, Gustavus M., Practical suggestion in borderland surgery for the use of students and practitioners, v, B, 521.
 Brooke, Gilbert E., Essential of sanitary science, iv, B, 69.
 Brundage, Albert H., A manual of toxicology, v, B, 571.
 Buchanan, Robert Earle, Veterinary bacteriology, vii, B, 472.
 Cables, Henry A., Golden rule series. Golden rules of diagnosis and treatment of diseases, viii, B, 407.
 Carus, Paul, The mechanistic principle and the non-mechanical, ix, B, 380.
 Check-list of North American birds, prepared by a committee of the American Ornithologists' Union, v, D, 313.

Reviews—Continued.

- Chesneau, M. G., Theoretical principles of the methods of analytical chemistry based upon chemical reactions, v, A, 305.
 Christensen, Carl, Index Filicum. Supplementum 1906-1912, x, C, 153.
 Collins, E. Treacher, and Mayon, M. Stephen, Pathology and bacteriology of the eye, vii, B, 65.
 Contributions to medical science by Howard Taylor Ricketts 1870-1910, vii, B, 470.
 Copeland, Edwin Bingham, The coco-nut, x, A, 171.
 Councilman, W. T., Disease and its causes, ix, B, 462.
 Crew, Henry, General physics: An elementary text-book for colleges, iii, A, 541.
 Dahlgren, Ulric, and Kepner, William A., A text-book of the principles of animal histology, iii, B, 569.
 Daniels, C. W., and Newham, H. B., Laboratory studies in tropical medicine, vii, B, 469.
 Davison, Alvin, Mammalian anatomy with special reference to the cat, v, B, 358.
 De la Mettrie, Julien Offray, Man a machine, ix, B, 304.
 Dock, George, Hookworm disease. Etiology, pathology, diagnosis, prognosis, prophylaxis, and treatment, v, B, 521.
 Dorland, W. A. Newman, The American illustrated medical dictionary, vii, B, 469; ix, B, 304.
 E. Merck's Annual report of recent advances in pharmaceutical chemistry and therapeutics, 1912, volume XXVI, ix, A, 271.
 Edgar, J. Clifton, The practice of obstetrics, designed for the use of students and practitioners of medicine, ii, B, 406.
 Emery, W. D'Este, Clinical bacteriology and hæmatology for practitioners, iii, B, 445.
 Flexner, Abraham, Medical education in the United States and Canada. A report to the Carnegie foundation for the advancement of teaching. Bulletin No. 4, v, B, 573.
 Franklin, William S., and MacNutt, Barry, Light and sound, v, A, 55.
 Gatewood, James Duncan, Naval hygiene, v, B, 571.
 Gerrard, P. N., A vocabulary of Malay medical terms, i, 575.
 Gould, George M., The practitioner's medical dictionary. An illustrated dictionary of medicine and allied subjects, including all the words and phrases generally used in medicine, with their proper pronunciation, derivation, and definition. Based on recent medical literature, ii, B, 404.

Reviews—Continued.

- Greenish, Henry George, The microscopical examination of foods and drugs, vii, A, 210.
- Harston, G. Montague, The care and treatment of European children in the tropics, x, B, 97.
- Hemmeler, J. C., Manual of practical physiology, vii, B, 471.
- Henson, Graham E., Malaria, ix, B, 463.
- Hering, Ewald, Memory. Lectures on the specific energies of the nervous system, ix, B, 380.
- Hirsch, Charles S., A compend of genito-urinary diseases and syphilis, including their surgery and treatment, ii, B, 67.
- Hobbs, William Herbert, Characteristics of existing glaciers, vii, A, 210.
- Hobbs, William Herbert, Earth features and their meaning, vii, A, 132.
- Holland, James W., A text-book of medical chemistry and toxicology, vii, B, 124.
- Honan, James Henry, Honan's handbook to medical Europe, vii, B, 123.
- Hooker, Albert H., Chloride of lime in sanitation, viii, B, 406.
- Howell, William H., A textbook of physiology for medical students and physicians, vii, B, 127; ix, B, 461.
- Jackson, C. M., ed., Morris's human anatomy, ix, B, 521.
- James, S. P., and Liston, W. Glen, A monograph of the anopheline mosquitoes of India, vii, D, 207.
- Jordan, Edwin O., A text-book of general bacteriology, iv, B, 205; ix, B, 461.
- Kemper, G. W. H., The world's anatomists: Concise biographies of anatomic masters, from 300 B. C. to the present time, whose names have adorned the literature of the medical profession, i, 789.
- Kofoid, Charles Atwood, The biological stations of Europe, vi, D, 221.
- Koorders, S. H., Exkursionsflora von Java umfassend die Blütenpflanzen mit besonderer Berücksichtigung der im Hochgebirge wildwachsende Arten, vols. 1, 2, and 3, vii, C, 359.
- Lee, Arthur Bolles, The microtome's vademecum, ix, B, 461.
- Leffmann, Henry, and Davis, W. A., Allen's commercial organic analysis, volume I, v, A, 365.
- Leffmann, Henry, and Davis, W. A., Allen's commercial organic analysis, volume II, v, A, 366.
- Leffmann, Henry, and Davis, W. A., Allen's commercial organic analysis, volume III, vi, A, 427.
- Leffmann, Henry, and Davis, W. A., Allen's commercial organic analysis, volume IV, vi, A, 428.
- Lewis, Frederick T., A text-book of histology, ix, B, 462.

Reviews—Continued.

- Lewis, Frederick T., Stöhr's histology arranged upon an embryological basis, ii, B, 69.
- Lusk, Graham, The elements of the science of nutrition, ii, B, 154.
- MacNeal, Ward J., Pathogenic microorganisms, ix, B, 303.
- Mann, C. Riborg, The teaching of physics for purposes of general education, vii, A, 209.
- Mannaberg, Julius, and Leichtenstern, O., Nothnagel's encyclopedia of practical medicine: Malaria, influenza, and dengue, i, 705.
- Manson, Patrick, Tropical diseases, ix, B, 463.
- Marshall, Charles E., Microbiology for agricultural and domestic science students, vii, B, 125.
- May, Charles H., Manual of the diseases of the eye for students and general practitioners, vii, B, 127.
- McAlpine, D., The smuts of Australia, v, C, 547.
- McFarland, Joseph, Biology. General and medical, vii, D, 111.
- McPherson, William, An elementary study of chemistry, ii, A, 255.
- Millikan, Robert Andrews, A first course in physics, ii, A, 256.
- Minot, Charles Sedgwick, Laboratory text-book of embryology, v, B, 572.
- Nichols, Edward L., and Franklin, William S., The elements of physics, iii, A, 541.
- Parkes, Louis C., and Kenwood, Henry R., Hygiene and public health, iii, B, 265.
- Petty, Geo. E., The narcotic drug diseases and allied ailments. Pathology, pathogenesis, and treatment, viii, B, 407.
- Pittenger, Paul S., Biochemic drug assay methods, ix, B, 379.
- Pottenger, Francis Marion, Muscle spasm and degeneration, ix, B, 464.
- Pottenger, Francis Marion, Tuberculin in diagnosis and treatment, viii, B, 405.
- Potter, Samuel O. L., A compend of materia medica, therapeutics and prescription writing, with especial reference to the physiological action of drugs, ii, B, 68.
- Prentiss, Charles William, A laboratory manual and text-book of embryology, x, B, 355.
- Pyle, Walter L., An international system of ophthalmic practice, v, B, 576; x, B, 355.
- Radasch, Henry Erdman, A compend of histology, v, B, 360.
- Reed, Charles A. L., Marriage and genetics, ix, B, 463.
- Reed, John Oren, and Guthe, Karl Eugen, College physics, vii, A, 127.

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- Ricketts, H. T., Infection, immunity and serum therapy in relation to the infectious diseases which attack man, with considerations of the allied subjects of agglutination, precipitation, hemolysis, etc., ii, B, 403.
- Ritchie, John Woodside, and Purcell, Margaret Anna, Primer of sanitation for the tropics, vi, B, 99.
- Roberts, Stewart R., Pellagra. History, distribution, diagnosis, prognosis, treatment, etiology, viii, B, 405.
- Robinson, Victor, An essay on hasheesh, ix, B, 305.
- Rockwood, Elbert W., An introduction to chemical analysis for students of medicine, pharmacy and dentistry, v, A, 56.
- Ross, H. C., Cropper, J. W., Ross, E. H., Further researches into induced cell-reproduction and cancer, ix, B, 464.
- Sahli, Hermann, Diagnostic methods, ii, B, 403.
- Satterthwaite, Thomas E., Cardio-vascular diseases, viii, B, 407.
- Saxe, G. A. DeSantos, Examination of the urine. A manual for students and practitioners, v, B, 453.
- Schamberg, Jay Frank, Diseases of the skin and the eruptive fevers, iv, B, 205.
- Seidenadel, Carl Wilhelm, The first grammar of the language spoken by the Bontoc Igorot with a vocabulary and texts, vi, D, 271.
- Sherman, Henry C., Chemistry of food and nutrition, vii, A, 55.
- Shoemaker, William T., Retinitis pigmentosa, v, B, 145.
- Smith, H. Hamel, and Pape, F. A. G., Coco-nuts: the consols of the east, vii, A, 421.
- Smith, Harold Hamel, Aigrettes and bird-skins. The truth about their collection and export, v, D, 337.
- Snyder, Harry, Human foods and their nutritive value, iv, A, 91.
- Snyder, Harry, Soils and fertilizers, iv, A, 169.
- Sophian, Abraham, Epidemic cerebrospinal meningitis, viii, B, 405.
- Spinney, Louis Bevier, A text-book of physics, vii, A, 129.
- Stanley, William Ford, Mathematical drawing and measuring instruments, ii, A, 80.
- Stanley, William Ford, Surveying and levelling instruments theoretically and practically described: for construction, qualities, selection, preservation, adjustments, and uses: with other apparatus and appliances used by civil engineers and surveyors in the field, ii, A, 79.

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- Stelwagon, Henry W., Treatise on diseases of the skin for the use of advanced students and practitioners, i, 789; iv, B, 69.
- Stengel, Alfred, A text-book of pathology, ii, B, 153.
- Stephenson, H. H., Who's who in science (international) 1912, vii, D, 210.
- Stewart, Francis T., A manual of surgery for students and physicians, vii, B, 473.
- Stewart, C. N., A manual of physiology, x, B, 356.
- Stitt, E. R., Practical bacteriology, blood work, and animal parasitology, iv, B, 463.
- Stitt, E. R., Practical bacteriology, blood work and animal parasitology including bacteriological keys, zoological tables and explanatory clinical notes, vi, B, 343; ix, B, 304.
- Stitt, E. R., The diagnosis and treatment of tropical diseases, ix, B, 522.
- Straub, Paul Frederick, Medical service in campaign, v, B, 521; vii, B, 123.
- Sutton, Francis, A systematic handbook of volumetric analysis, vii, A, 55.
- The American illustrated medical dictionary, ii, B, 69.
- The physician's visiting list (Lindsay & Blakiston's) for 1907, ii, B, 405.
- The provinces of China, together with a history of the first year of H. I. M. Hsuan Tung, and an account of the Government of China. Reprinted from "The National Review Annual," 1910, vi, D, 51.
- Thorington, James, Retinoscopy (or shadow test) in the determination of refraction at one meter distance, with the plane mirror, ii, B, 405.
- Todd, J. C., Clinical diagnosis, vii, B, 128.
- Tyrode, Maurice Vejux, Pharmacology: the action and uses of drugs, iii, B, 355.
- Tyson, James, The practice of medicine, i, 705; ix, B, 303.
- Van Hall, C. J. J., Cocoa, x, A, 171.
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- Webster, Ralph W., Diagnostic methods, chemical, bacteriological and microscopical, viii, B, 406.
- Wiedersheim, Robert, Comparative anatomy of vertebrates, iii, B, 189.
- Wilcox, Reynold Webb, The treatment of disease, a manual of practical medicine, iii, B, 189; vi, B, 163.
- Wiley, Harvey W., Foods and their adulteration, vii, A, 127.
- Willcox, Cornelio DeWitt, A reader of scientific and technical Spanish for colleges and technical schools with vocabulary and notes, ix, A, 271.

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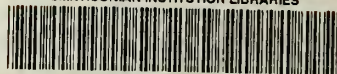
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