

NOTES OF FOREIGN BIBLIOGRAPHIES.

Russkaya chast Khimicheskoy Bibliographii.

A. K. KRUPSKY. St. Petersburg. 1900. 4to. Pp. 62.

This is a reprint by the Imperial Academy of Sciences, St. Petersburg, of the Russian titles in Bolton's Select Bibliography of Chemistry. (Vols. 1-3.)

Index to the Literature of Colloids. W. R. WHITNEY and J. E. OBER. *J. Am. Chem. Soc.*, Vol. XXIII., p. 842. (Nov. 1901.)

Sammelkatalog der in Hamburger öffentlichen Bibliotheken vorhandenen Litteratur aus der Chemie und aus verwandten Wissenschaften. GLINZER, LANGFURTH und VOIGTLÄNDER. Hamburg. 1901. 8vo. Pp. 108.

Répertoire général ou Dictionnaire méthodique de bibliographie des industries tinctoriales et des industries annexes JULES GARÇON. Paris. 1900-1901. 3 vols., roy. 8vo. Pp. 1978 in the 3 volumes.

This completes the work noticed in the Eighteenth Annual Report.

WORKS IN PROGRESS.

The MS. of an 'Index to the Literature of Thorium,' by Cavalier H. Joüet, Ph.D., of Columbia University, New York, has been examined by each member of your committee, and recommended for publication to the Smithsonian Institution. It is now being prepared for printing.

Mr. Benton Dales, of Cornell University, has in preparation 'An Index to the Literature of the Yttrium Group of the Rare Earths.'

Reports of progress have been received from Messrs. Frank R. Fraprie and H. Carrington Bolton.

It is the sad duty of the committee to record the death of one of its original members, Professor Albert R. Leeds, Ph.D., long professor of chemistry in the Stevens Institute of Technology, Hoboken, N.J. His contributions to chemical bibliography include 'Indexes to the Literature of Ozone,' and of 'Peroxid of Hydrogen.'

It is gratifying to note the increasing and continued interest in bibliography on all sides, and the committee stands ready to encourage the movement in chemistry by practical assist-

ance to those desirous of contributing to the now considerable list of indexes. Address correspondence to the Chairman, at the Cosmos Club, Washington, D. C.

H. CARRINGTON BOLTON (in Europe),
F. W. CLARKE,
A. B. PRESCOTT,
ALFRED TUCKERMAN,
H. W. WILEY,

Committee.

APPENDIX.—BIBLIOGRAPHIES NAMED IN REPORTS I.-XX., 1883-1902.

The following list includes only those bibliographies that have been published under the auspices of the committee, or independently, as monographs and separates.

Copies may be obtained, so far as available, on application to the Society or Institution issuing them, or in some cases by addressing the authors.

Aceto-Acetic Ester, Bibliography of. By PAUL H. SEYMOUR. Smithsonian Miscellaneous Collection, No. 970. Washington. 1894. 8vo.

Carbides, Review and Bibliography of the Metallic. By J. A. MATHEWS. Smithsonian Miscellaneous Collections, No. 1090. City of Washington. 1898. 8vo. Pp. 32.

Cerium and Lanthanum, Indexes to the Literature of. By W. H. MAGEE. Smithsonian Miscellaneous Collections, No. 971. Washington. 1895. 8vo. Pp. 43.

Chemistry, A Select Bibliography of; 1492-1892. By HENRY CARRINGTON BOLTON. Smithsonian Miscellaneous Collections, No. 850. Washington. 1893. 8vo. Pp. 1212. 'First Supplement,' S. M. C., No. 1170, 1899. Section VIII., 'Academic Dissertations,' S. M. C., No. 1253. 1901.

Columbium, Index to the Literature of; 1801-1887. By FRANK W. TRAPHAGEN. Smithsonian Miscellaneous Collections, No. 663. Washington. 1888. 8vo. Pp. iv + 27.

Didymium, Index to the Literature of; 1842-1893. By A. C. LANGMUIR. Smithsonian Miscellaneous Collections, No. 972. Washington. 1895. 8vo. Pp. 20.

- Explosives, Index to the Literature of.* Part I. By CHARLES E. MUNROE. Baltimore. 1886. 8vo. Pp. 42. Part II., Baltimore. 1893. 8vo. Pp. 43-195.
- Electrolysis, Index to the Literature of; 1784-1880.* By W. WALTER WEBB. *Annals of New York Academy of Sciences*, Vol. II., No. 10, 1882. 8vo. Pp. 44.
N. B. This has been translated into French by Donato Tommasi, Paris, 1889.
- Heat, Dictionary of the Action of Heat upon certain Metallic Salts, including an Index to the Principal Literature upon the Subject.* Compiled and arranged by J. W. BAIRD; contributed by A. B. PRESCOTT, New York. 1884. 8vo. Pp. 70.
- Light, Chemical Influence of, A Bibliography of.* ALFRED TUCKERMAN. Smithsonian Miscellaneous Collections, No. 785. Washington. 1891. 8vo. Pp. 22.
- Manganese, Index to the Literature of; 1596-1874.* By H. CARRINGTON BOLTON. *Annals of the Lyceum of Natural History, New York*, Vol. XI., November, 1875. 8vo. Pp. 44.
- Manganese, Analytical Chemistry of, A Bibliography of the.* By HENRY P. TALBOT and JOHN W. BROWN. Smithsonian Miscellaneous Collections, No. 1313. City of Washington. 1902. 8vo.
- Morphine, Chemical Bibliography of; 1875-1897.* By H. BROWN. *Pharmaceutical Archives*. Vol. I., No. 3. No date, no place. 8vo. Pp. 60.
- Ozone, Index to the Literature of; 1785-1879.* By ALBERT R. LEEDS. *Annals of the New York Academy of Sciences*, Vol. I., No. 12, 1880. 8vo. Pp. 32.
- Ozone, Index to the Literature of; 1879-1883.* Accompanied by a Historical, Critical Résumé of the Progress of Discovery since 1879. By ALBERT R. LEEDS. *Annals N. Y. Academy of Sciences*, Vol. III., p. 137. 1884. 8vo. Pp. 16.
- Peroxid of Hydrogen, Index to the Literature of; 1818-1878.* By ALBERT R. LEEDS. *Annals of the New York Academy of Sciences*. Vol. I., No. 13, 1880. 8vo. Pp. 11.
- Peroxid of Hydrogen, Index to the Literature of; 1879-1883.* By ALBERT R. LEEDS. *Annals of the New York Academy of Sciences*. Vol. III., p. 153, 1884. 8vo. Pp. 3.
- Platinum Group, A Bibliography of the Metals of the.* Platinum, Palladium, Iridium, Rhodium, Osmium, Ruthenium, 1748-1896. By JAMES LEWIS HOWE. Smithsonian Miscellaneous Collections, No. 1084. City of Washington. 1897. 8vo. Pp. 318.
- Spectroscope, Index to the Literature of.* By ALFRED TUCKERMAN. Smithsonian Miscellaneous Collections, No. 658. Washington. 1888. 8vo. Pp. x + 423.
The same, 1887-1900, both dates inclusive. S. M. C., No. 1312. Washington City. 1902. 8vo. Pp. iii + 373.
- Starch-sugar Bibliography of.* By EDW. J. HALLOCK. Appendix E to Report on Glucose prepared by the National Academy of Sciences, in response to a request made by the Commissioner of Internal Revenue. U. S. Internal Revenue, Washington, D. C. 1884. 8vo. Pp. 44.
- Tannins, Index to the Literature of.* By HENRY TRIMBLE. The Tannins. Philadelphia, 1892. Vol. I., Appendix. Vol. II., Philadelphia, 1894.
- Thallium, Index to the Literature of.* By MARTHA DOAN. Smithsonian Miscellaneous Collections, Vol. XLI., No. 1171. Washington. 1899. Pp. 26.
- Thermodynamics, Index to the Literature of.* By ALFRED TUCKERMAN. Smithsonian Miscellaneous Collections, No. 741. Washington. 1890. 8vo. Pp. vi + 329.
- Thorium, Index to the Literature of.* By CAVALIER H. JOÛET. Smithsonian Miscellaneous Collection, No. —. [In press.]
- Titanium, Index to the Literature of; 1783-1876.* By EDW. J. HALLOCK, *Annals of the New York Academy of Sciences*, Vol. I., Nos. 2 and 3, 1877. 8vo. Pp. 22.
- Uranium, an Index to the Literature of; 1789-1885.* By H. CARRINGTON BOLTON. Smithsonian Report of 1885. Washington. 1885. 8vo. Pp. 36.

Vanadium, Index to the Literature of. By G. JEWETT ROCKWELL. *Annals of the New York Academy of Sciences*, Vol. I., No. 5, 1877. 8vo. Pp. 32.

Zirconium, Index to the Literature of. By A. C. LANGMUIR and CHARLES BASKERVILLE. *Smithsonian Miscellaneous Collections*, No. 1173. City of Washington. 1899. 8vo. Pp. 29.

SCIENTIFIC BOOKS.

JAHRBUCH DER CHEMIE FOR 1900.

THE latest volume of this familiar work, edited by Richard Meyer, with the cooperation of other well-known chemists, contains an account of the progress of pure and applied chemistry for the year 1900. Here are represented some fifteen hundred investigators, of whom, as nearly as can be determined, about fifty-five per cent. are German, over eleven per cent. French, ten per cent. American, and nine per cent. English. From this it appears that America is next to France and Germany in the number of chemical investigators, and the great prestige of Germany stands out very strikingly.

The subject matter of the book is divided into fourteen sections. In a division so nearly complete geological and mineralogical chemistry should find a place. The sense of proportion is, on the whole, well kept. The amount of work done in the organic field still greatly preponderates all others, a fact which may be judged sufficient reason for devoting 104 pages to this section, as against 66 to inorganic, and 50 to physical chemistry, but it may perhaps be questioned whether the coal-tar and color industry deserves, in a work of this kind, a greater space than any other branch of the science.

The preface to the first volume of the *Jahrbuch* (1891) distinctly sets forth that the object of the book is to present a connected account of the work in each field, disclaiming any effort to be exhaustive. It is for the reader, not for the reference hunter. From this view-point, the work meets a well-recognized need. To judge how well the editors have succeeded in their task would require an amount

of labor little less than their own. A comparison of the *Jahrbuch* with the abstracts of the *Centralblatt* in one or two fields, shows that the work is pretty comprehensive—quite so in inorganic chemistry: In the physical section more has been omitted, though presumably not overlooked.

After some experience with the book, I venture to suggest that its use would be greatly facilitated if the names of the authors in the text were printed in a heavy-face type.

E. T. ALLEN.

Leitfaden für das zoologische Praktikum. Von Dr. WILLY KÜKENTHAL. Zweite, Umgearbeitete Auflage. Jena, Verlag von Gustav Fischer. 1902. Mit 169 Abbildungen im Text.

The first edition of this guide for the beginner in the study of zoology was reviewed in *SCIENCE* for November 17, 1899, Vol. X., No. 255.

This, the second edition, does not differ essentially from the first edition though it has been materially improved by abbreviating some of the descriptions of the systematic surveys, rearranging the matter in some of the chapters, making small but more or less important additions here and there and introducing two new chapters of eleven pages on the Cestoda and Nematoda. A number of the figures of the first edition have been discarded and some of the borrowed figures have been replaced by original drawings. The latter are not always equal to those replaced. There have also been added a few good new original figures.

The original 284 pages with 172 figures have become 304 pages with 169 figures. The typographical work is good, what one acquainted with Fischer's work would expect. The price of the book unbound is placed at 6 Marks.

HENRY F. NACHTRIEB.

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SCIENTIFIC JOURNALS AND ARTICLES.

The Popular Science Monthly for September begins with an article on 'Aerography' by Percival Lowell, which gives a résumé of the mapping of the surface of Mars and shows