SCIENCE.

Troy, N.Y., July 29.

## AMONG THE PUBLISHERS.

THE ninth annual issue of "The Year-Book of the Scientific and Learned Societies of Great Britain and Ireland" has recently been issued by Charles Griffin & Co., Exeter Street, Strand, London. The present issue gives a well-edited chronicle of the work done during the past year by the learned societies of Great Britain and Ireland, together with lists of the officers and a brief statement of the history and purposes of the organizations. The lists of the papers are quite complete, most of the society secretaries having given the needed information, and make a showing of scientific and literary activity with which we have as yet but little to compare in America. The hand book is well made for its purpose, and would prove an excellent book of reference in American libraries.

- A vigorous statement of the scientific principles upon which the treatment of criminals should be based will open The Popular Science Monthly for August. It is by Professor Edward S. Morse, who takes as his title "Natural Selection and Crime." The Warfare of Science papers, by Dr. Andrew D. White, will be continued with a chapter on "Geography," in which are given the various mythological and theological ideas concerning the form of the earth and the proper mode of representing it that have prevailed in ancient and mediæval times. "The Manufacture of Boots and Shoes" will be described by George A. Rich. This is one of the illustrated series of Articles on American Industries, and, in both the text and the pictures, tells a story of wonderful progress. An ethical study on "Veracity," by Herbert Spencer, will be among the contents.

- The Geographical Society of Germany will shortly publish a volume commemorative of the four-hundredth anniversary of the discovery of America by Columbus, which will, it is said, be one of the most elaborate publications ever issued by the society. Dr. Konrad Kretschmer, the editor of the forthcoming work, has visited all the principal libraries of Italy in search of material, and has had access to many rare manuscripts hitherto unused. The memorial volume will contain forty five maps relating to the discovery of America, thirty-one of which are said to have never been published. Emperor William has contributed 15,000 marks

Reading Matter Notices.	Exchanges.	Wants.
Ripans Tabules cure hives. Ripans Tabules cure dyspepsia.	[Free of charge to all, if of satisfactory character. Address N. D. C. Hodges, 874 Broadway, New York.]	Any person seeking a position for which he is quali- fied by his scientific attainments, or any person seeking
Societas Entomologica. International Entomological Society, Zu- rich-Hottingen, Switzerland. Annual fee, ten francs.	Taxidermist going out of business has quantity of finely-mounted specimens of North American birds, mammals and reptiles and skics of birds for sale, including a full local collection of bird skins, show- ing some great variations of species; also quantity of skulls with horns of deer and mountain sheep, and mounted heads of same. Will give good ex- change for Hawk Eye camera with outfit. Apply quickly to J. R. Thurston, 265 Yonge St., Toronto, Canada.	Any person seeking a position for which he is quali- fied by his scientific attainments, or any person seeking some one to fill '' '' ''''''''''''''''''''''''''''
The Journal of the Society appears twice a month, and consists entirely of original ar- ticles on entomology, with a department for advertisements. All members may use this	For exchange.—A fine thirteen-keyed flute in leather covered case, for a photograph camera suitable for mak- ing lantern slides. Flute cost \$27, and is nearly new. U. O. COX, Mankato, Minn.	A JOHNS HOPKINS graduate (1892) desires a position as instructor in mathematics and physics. Address A. B. TURNER, Johns Hopkins University, Baltimore, Md.
department free of cost for advertisements relating to entomology. The Society consists of about 450 members in all countries of the world. The new volume began April 1, 1892. The	To exchange; Experiment Station bulletins and reports for bulletins and reports not in my file. I will send list of what I have for exchange. P. H. ROLFS, Lake City, Florida.	WANTED.—A collection of postage stamps; one made previous to 1870 preferred. Also old and curious stamps on original letters, and old entire U.S. stamped envelopes. Will pay cash or give in exchange first-class fossils, including fine crinoids. WM. F. E. GURLEY, Danville, III.
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Society of Washington delivered Jan. 24, 1891. A historical and critical review of modern scientific thought relative to heredity, and especially to the problem of the transmission of acquired characters, The following are the several heads involved in the discussion Status of the Problem, Lamarckism. Darwinism, Acquired Characters, Theories of He- redity, Views of Mr. Galton, Teachings of Professor Weismann, A Critique of Weismann, Neo-Darwin- Ism, Neo-Lamarckism, the American "School," Ap- plication to the Human Race. In so far as views are expressed they are in the main in line with the general current of American thought, and opposed	et: II preterrai, I wil - I: "American State Parts and buy other books on the subject. WILLIAM AD- DISON BLAKELY, Chicago, Ill. For Sale or Exchange for books a complete private chemical laboratory outfit. Includes large Becker bal- ance (2009, to 1-10mg), platinum dishes and crucibles, agate motors, glass-blowing apparatus, etc. For sale in part or whole. Also complete file of <i>Silliman's Journal</i> , 1862-1885 (62-71 bound); Smithsonian Reports, 1854-1883; U. S. Coast Survey, 1854-1869. Full particulars to en- quirers. F. GARDINER, JR., Pomfret, Conn.	(a00, vol. 1 to 25, 35, 34), and reo., 53; Age of Steel, vol. 1 to 66; American Antiquarian, vol. 1, 2; Ameri- can Architect, vol. 1 to 6, 9; American Art Review, vol. 3; American Field, vol. 1 to 21; American Geol- ogist, vol. 1 to 6; American Machinist, vol. 1 to 4; Art Amateur, vol. 1 to 7, O st., 4; Art Interchange, vol. 1 to 9; Art Union, vol. 1 to 4, Jan, '44, July, '45; Bibliotheca Sacra, vol. 1 to 46; Godey's Lady's Book, vol. 1 to 20; New Englander, vol. 11; Zoologist, Series
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towards the expenses of publication, etc., and the work will undoubtedly be a most valuable contribution to the early history of America. It is expected that it will leave the government printing office early in August.

-In a capital address on "tooth culture," delivered at the annual meeting of the Eastern Counties Branch of the British Dental Association, and printed in Lancet, Sir James Crichton-Browne referred to a change which has taken place in bread, as one of the causes of the increase of dental caries. So far as England is concerned, this is essentially an age of white bread and fine flour, and it is an age therefore in which we are no longer partaking, to anything like the same amount that our ancestors did, of the bran or husky parts of wheat, and so are deprived to a large degree of a chemical element which they contain - namely, fluorine. The late Dr. George Wilson showed that fluorine is more widely distributed in nature than was before his time supposed, but still, as he pointed out, it is but sparingly present where it does occur, and the only channels by which it can apparently find its way into the animal economy are through the siliceous stems of grasses and the outer husks of grain, in which it exists in comparative abundance. Analysis has proved that the enamel of the teeth contains more fluorine, in the form of fluoride of calcium, than any other part of the body, and fluorine might, indeed, be regarded as the characteristic chemical constituent of this structure, the hardest of all animal tissue, and containing 95 5 per cent of salts, against 72 per cent in the dentine. As this is so, it is clear that a supply of fluorine, while the development of the teeth is proceeding, is essential to the proper formation of the enamel, and that any deficiency in this respect must result in thin and inferior enamel. Sir James Crichton-Browne thinks it well worthy of consideration whether the reintroduction into our diet of a supply of fluorine in some suitable natural form-and what form, he asks, can be more suitable than that in which it exists in the pellicles of our grain stuffs? - might not do something to fortify the teeth of the next generation.

