### September 22, 1893.]

In the Escondido River, which enters the sea on the Mosquito Coast, Mr. Richmond found sharks as far up as De Rama, sixty-five miles from its mouth. During the dry season, a period of very brief duration, the water is brackish at high tide at this distance. Several sharks, from two to four feet long, were caught here while the water was perfectly fresh. It is not known, however, that these were of the same species as those inhabiting the lake. HUGH M. SMITH.

U. S. Fish Commission, Washington, D. C.

#### AMONG THE PUBLISHERS.

MESSES. D. APPLETON & Co.'s preliminary autumn announcements include the following books: "The Credentials of Science the Warrant of Faith," by Prof. Josiah Parsons Cooke; "Factors in American Civilization," a series of fourteen popular lectures before the Brooklyn Ethical Association; "The Personal Recollections of Werner von Siemens;" "The Development of Mind in the Child," by Professor W. Preyer, of the University of Jena, a new volume in the International Education Series.

—Messrs. Longmans, Green & Co.'s announcements include: "Eskimo Life," by Fridtjof Nansen, author of "The First Crossing of Greenland;" translated by William Archer; "Madoc: An Essay on the Discovery of

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America by Madoc ap Owen Gwynedd in the Twelfth Century," by Thomas Stephens; edited by Llywarch Rey-nolds, B. A., Oxon; "The Ruined Cities of Mashonaland:" being a record of excavation and exploration in 1891, by J. Theodore Bent, F. S. A., F. R. G. S.; "Discovery of Lakes Rudolf and Stefanie:" account of Count Samuel Teleki's exploring and hunting expedition in Eastern Equatorial Africa in 1887 and 1888, by his companion, Lieut. Ludwig von Höhnet; translated by Nancy Bell (N. D'Anvers); "Heat," by Mark R. Wright; "Elementar" Algebra," with numerous examples and exercises, by Robert Graham; "A Manual of Machine Drawing and Design," by David Allan Low; "Manual of Bacteriology," for practitioners and students, with especial reference to practical methods, by Dr. S. L. Schenk; "Diseases and Injuries of the Teeth," including pathology and treatment: a manual of practical dentistry for students and practitioners, by Morton Smale, M. R. C. S.; "Essentials of Chemical Pkysiology," by W. D. Halliburton, M. D., F. R. S.; "Statics and Dynamics," by C. Geldard, M. A.; "A Dictionary of Applied Chemistry," by T. E. Thorpe; "Life with Trans-Siberian Savages," by B. Douglas Howard; "Out of Doors in Tsarland:" a record of the seeings and doings of a wanderer in Russia, by Fred. J. Whishaw; "Primitive Music:" an inquiry into the origin and development of music, songs, instruments, dances and pantomimes of savage races, by Richard Wallaschek; "Where Three Empires Meet:" a narrative of recent travel in Kashmir, Western Tibet, Baltistan, Ladak, Gilgit and the adjoining countries," by E. F. Knight.

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		Washington.



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This Company owns the Letters - Patent No. 186,787, granted to Alexander Graham Bell, January 30th, 1877, the scope of which has been defined by the Supreme Court of the United States in the following terms: "The patent itself is for the mechanical

structure of an electric telephone to be used to produce the electrical action on which the first patent rests. The third claim is for the use in such instruments of a diaphragm, made of a plate of iron or steel, or other material capable of inductive action; the fifth, terial capable of inductive action; the fifth, of a permanent magnet constructed as de-scribed with a coil upon the end or ends nearest the plate; the sixth, of a sounding box as described; the seventh, of a speaking or hearing tube as described for conveying the sounds; and the eighth, of a permanent magnet and plate combined. The claim is not for these several things in and of them-selves but for an electric telenhone in the selves, but for an electric telephone in the

serves, but for an electric telephone in the construction of which these things or any of them are used." This Company also owns Letters-Patent No. 463,569, granted to Emile Berliner, No-vember 17, 1891, for a combined Telegraph and Telephone, and controls Letters-Patent No. 474 281, granted to Thomps A. Faiter No. 474,231, granted to Thomas A. Edison, May 3, 1892, for a Speaking Telegraph, which cover fundamental inventions and embrace all forms of microphone transmitters and of carbon telephones.

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