

LIST OF ANTHROPOLOGICAL PUBLICATIONS

BY CHARLES RAU.

1859-1882.

- Die Gräber von Panama.** Relating to the discovery of gold figures in Chiriqui. In: *Die Natur*, herausgegeben von Dr. Otto Ule und Dr. Karl Müller von Halle. Vol. VIII, Halle, 1859, p. 372; illustrated.
- Amerikanische Alterthümer.** Twelve illustrated articles. In: *Die Natur*, Vol. XI, 1862.
- Negeremancipation in Jamaika** (anonymous). Against sudden emancipation of negro slaves. In: *New-Yorker Staats-Zeitung*, June 14, 1862.
- An Account of the Aboriginal Inhabitants of the Californian Peninsula**, as given by Jacob Baegert, a German Jesuit Missionary, who lived there Seventeen Years during the Second Half of the Last Century. Translated and arranged for the Smithsonian Institution by Charles Rau. In: *Smithsonian Reports for 1863 and 1864*, pp. 352 and 378, respectively.
- Agricultural Implements of the North American Stone Period.** In: *Smithsonian Report for 1863*, p. 379; illustrated.
- Archäologisches aus der alten und neuen Welt.** Relating to pile-dwellings and artificial shell-deposits. In: *Die Natur*, Vol. XII, 1863, p. 110.
- Altindianische Industrie.** Ten illustrated articles. In: *Die Natur*, Vol. XII, 1863.
- Artificial Shell-deposits in New Jersey.** In: *Smithsonian Report for 1864*, p. 370; with illustration.
- Indian Pottery.** In: *Smithsonian Report for 1866*, p. 346; illustrated. Translated into French by M. Émile Cartailhac, under the title:—
- Les Ustensiles en Argile des Indiens de l'Amérique du Nord.** In: *Matériaux pour l'Histoire Primitive et Naturelle de l'Homme*, Vol. V, Paris, 1869, p. 205; without illustrations. Reprinted in: *Flint Chips*, by E. T. Stevens; London, 1870, p. 245; without illustrations.
- Remarks on the Stone Age.** In: *The Historical Magazine*, New York, April, 1866, p. 97.
- Notes on the Anthropological Congress at Paris.** In: *The Historical Magazine*, Morrisania, N. Y., October, 1867, p. 210 (many typographical errors).
- Ueber künstliche Muschelbetten in Amerika.** In: *Archiv für Anthropologie*, Vol. II, Braunschweig, 1867, p. 321; illustrated.
- Drilling in Stone without Metal.** In: *Smithsonian Report for 1868*, p. 392; illustrated.
- A Deposit of Agricultural Flint Implements in Southern Illinois.** In: *Smithsonian Report for 1868*, p. 401; illustrated. Translated into French by M. Émile Cartailhac, under the title:—
- Trouvaille d'Outils Agricoles en Silex du Sud de l'Illinois.** In: *Matériaux*, etc., Vol. VI, 1870-71, p. 367; illustrations on Plate XIII.

- Die Thongefässe der nordamerikanischen Indianer. In: Archiv für Anthropologie, Vol. III, 1868, p. 19; illustrated.
- Die durchbohrten Geräthe der Steinperiode. In: Archiv für Anthropologie, Vol. III, 1868, p. 187; illustrated.
- Memoir of C. F. P. von Martius. Partly ethnological in character. In: Smithsonian Report for 1869, p. 169.
- Steinerne Ackerbaugeräthe der nordamerikanischen Indianer. In: Archiv für Anthropologie, Vol. IV, 1870, p. 1; illustrated.
- Ueber das Vorkommen der *Coscinopora globularis* auf der Insel Rügen. In: Correspondenz-Blatt der deutschen Gesellschaft für Anthropologie, Ethnologie und Urgeschichte, April, 1871 (No. 4), p. 31.
- Von Martius on Some Points of South American Ethnology. In: Journal of the Anthropological Institute of New York, Vol. I, New York, 1871-'72, p. 43.
- Die Tauschverhältnisse der Eingebornen Nordamerika's. In: Archiv für Anthropologie, Vol. V, 1872, p. 1; illustrated.
- Ancient Aboriginal Trade in North America. In: Smithsonian Report for 1872, p. 348.
- North American Stone Implements. In: Smithsonian Report for 1872, p. 359; illustrated.
Translated into German by Prof. Jos. Philibert Baron von Lazarini under the title:—
- Nordamerikanische Steinwerkzeuge. Graz (Austria), 1875. All illustrations reproduced (special impression from the Twenty-fourth Annual Report of the Ober-Realschule at Graz).
- Indianische Netzsenker und Hammersteine. In: Archiv für Anthropologie, Vol. V, 1872, p. 260; illustrated.
- Indian Netsinkers and Hammerstones. In: The American Naturalist; March, 1873, p. 139; illustrated.
- Review of "The Ancient Stone Implements, Weapons, and Ornaments of Great Britain," by John Evans, F. R. S., F. S. A.; New York, D. Appleton and Company, 1872 (anonymous). In: North American Review, Vol. CXVI, Boston, 1873, p. 213.
- Review of "Antiquities of the Southern Indians, particularly of the Georgia Tribes," by Charles C. Jones, jr.; New York, D. Appleton and Company, 1873 (anonymous). In: North American Review, Vol. CXVII, 1873, p. 468.
- Amerikanische Gesichtsvasen. In: Archiv für Anthropologie, Vol. VI, 1873, p. 163; illustrated.
- Steinzeit (anonymous). In: Deutsch-amerikanisches Conversations-Lexikon, bearbeitet von Prof. Alexander J. Schem, Vol. X, New York, 1873, p. 474.
- Auszug aus einem Briefe an Dr. A. von Frantzius. Relates to the prediction for green stones among uncivilized races. In: Correspondenz-Blatt der deutschen Gesellschaft für Anthropologie, etc., January, 1874 (No. 1), p. 8.

Ueber ein in Deutschland gefundenes Steinwerkzeug. In: *Correspondenz-Blatt der deutschen Gesellschaft für Anthropologie, etc.*, February, 1874 (No. 2), p. 13; with illustration.

Der Onondaga-Riese. In: *Archiv für Anthropologie*, Vol. VII, 1875, p. 267; illustrated.

The Stone Age in Europe. Six illustrated articles. In: *Harper's New Monthly Magazine*; April, May, June, July, August, and September, 1875.

The same in book-form as:—

Early Man in Europe. New York, Harper & Brothers, 1876. Large 8^o, pp. 162; illustrated.

The Archæological Collection of the United States National Museum, in Charge of the Smithsonian Institution, Washington, D. C.—*Smithsonian Contributions to Knowledge*, No. 287 (in Vol. XXII); Washington City, published by the Smithsonian Institution, 1876. Large 4^o, pp. XIV, 104; 341 illustrations in the text.

The Prehistoric Antiquities of Hungary. An Address delivered by Prof. F. F. Romer at the Opening of the International Anthropological Congress, held at Budapest, September, 1876. From the "*Matériaux pour l'Histoire Primitive et Naturelle de l'Homme.*"—Translated for the Smithsonian Institution by Charles Rau. In: *Smithsonian Report for 1876*, p. 394.

The Stock-in-trade of an Aboriginal Lapidary. In: *Smithsonian Report for 1877*, p. 291; illustrated.

Observations on a Gold Ornament from a Mound in Florida. In: *Smithsonian Report for 1877*, p. 298; illustrated.

Observations on the Dighton Rock Inscription. In: *The Magazine of American History*, Vol. II, New York and Chicago, 1878, p. 82.

Reprinted in: *The American Antiquarian*, Vol. I, Cleveland, Ohio, 1878, p. 38.

Der Nachfolger des Onondaga-Riesen. In: *Archiv für Anthropologie*, Vol. X, 1878, p. 418; with illustration.

The Palenque Tablet in the United States National Museum, Washington, D. C.—*Smithsonian Contributions to Knowledge*, No. 331 (in Vol. XXII); Washington City, published by the Smithsonian Institution, 1879. Large 4^o, pp. X, 81; 2 plates and 17 illustrations in the text.

Translated into Spanish by Messrs. Joaquin Davis and Miguel Perez under the title:—

Tablero del Palenque en el Museo Nacional de los Estados-Unidos. In: *Anales del Museo Nacional de México*, Vol. II, Mexico, 1880, p. 131. Illustrations as in the original.

Translated into French by M. L. de Milloué under the title:—

La Stèle de Palenqué, du Musée National des États-Unis. In: *Annales du Musée Guimet*, Vol. IV, Lyon. All illustrations given. *In press.*

The Dighton Rock Inscription. An Opinion of a Danish Archaeologist. In: The Magazine of American History, Vol. III, New York and Chicago, 1879, p. 236.

Review (illustrated) of "Archéologie Américaine. Déchiffrement des Écritures Calculiformes ou Mayas. Le Bas-relief de la Croix de Palenqué et le Manuscrit Troano." Par M. le C^{te} H. de Charencey, Alençon, 1879. In: The American Art Review, Vol. II, Boston, 1880, p. 32.

Aboriginal Stone-drilling. In: The American Naturalist, July, 1881, p. 536; illustrated.

Observations on Cup-shaped and other Lapidarian Sculptures in the Old World and in America. In: Contributions to North American Ethnology, Vol. V (U. S. Geographical and Geological Survey of the Rocky Mountain Region, J. W. Powell, in Charge). Washington, Government Printing Office, 1881. 4^o, pp. 102; 61 illustrations on 35 plates.

Die Jadeitgegenstände des National-Museums zu Washington. In: Archiv für Anthropologie, Vol. XIV; illustrated. *In press.*

Articles on Anthropological Subjects, contributed to the Annual Reports of the Smithsonian Institution from 1863 to 1877. Washington, published by the Smithsonian Institution, 1882. 8^o, pp. X, 169; illustrated (No. 440 of Smithsonian Publications).

DESCRIPTION OF FIVE NEW SPECIES OF FISHES FROM MAZATLAN, MEXICO.

By DAVID S. JORDAN and CHARLES H. GILBERT.

Tylosurus sierrita, sp. nov. (28162, 28265, 29227, 29377, 29378.)

Closely allied to *Tylosurus exilis* (Grd.).

Body very slender, not compressed; caudal peduncle depressed, half wider than deep, the lateral line forming a moderate keel, which is not black.

Jaws very long, slender, and fragile, as in *T. exilis*, *longirostris*, &c., the tip of the lower (as usual) projecting; length of upper jaw from eye $2\frac{3}{4}$ times length of postorbital part of head, 9 times space between nostrils; maxillary scarcely reaching vertical from front of pupil, about half of its posterior portion slipping under the preorbital; preorbital small, not extending backward to tip of maxillary.

Teeth essentially as in *T. longirostris*; an outer band of small acute teeth in each jaw, and an inner series of long, sharp, slender teeth, 50 to 60 in each jaw; middle line of lower jaw in front of tongue with a band of rasp-like teeth; no teeth on vomer; no gill-rakers.

Eye large, contained $2\frac{1}{2}$ times in postorbital part of head; interorbital region with a rather broad and deep, scaly groove, widest anteriorly and extending backward to opposite middle of cheeks; behind this, the middle part of the cranium is somewhat elevated and bounded by two longi-