

reading of hieroglyphs found on the monuments may fill gaps in present knowledge.

The finding of Calakmul was announced on April 30 by the Carnegie Institution of Washington which sent a party to confirm Mr. Lundell's report. Dr. Sylvanus G. Morley, who visited the ruins, pronounced them the largest of Maya cities and important in understanding the early history of the Maya Indians.

Reports from Mexico City credit the discovery of Calakmul to a Mexican chicle gatherer, Francisco Morales.

Science News Letter, May 28, 1932

ICHTHYOLOGY

New Game Fish Given Home In Glacier National Park

TWO NEW species of game fish have been added to the piscatorial family of Glacier National Park. They are the landlocked salmon and the Pyramid Lake (Nevada) cutthroat, both noted for their hard fighting qualities and the fact that they appear tireless in their violent struggles to escape the hook.

Thirteen thousand of the salmon and 36,000 of the new cutthroat species were introduced, all in St. Mary's Lake, which is visited by most tourists in the park. If these new varieties thrive, larger numbers will be planted in the park in the future.

Science News Letter, May 28, 1932

Twenty-five breeding colonies of the white pelican have been located in the United States and Canada.

ANTHROPOLOGY

"Gorilla" Picture of Gangster Based on Facts of Science

POPULAR conception of the "natural born" killer, that has recently given him the nickname "gorilla," has a solid basis of scientifically determined fact.

This is indicated by researches of Prof. Earnest A. Hooton, Harvard University anthropologist, who made a preliminary report before the meeting of the American Philosophical Society. His address was also broadcast over the network of the Columbia Broadcasting System, under the auspices of Science Service.

Prof. Hooton and his associates have measured and examined thousands of criminals in a number of penitentiaries in this country, in an endeavor to learn whether there are any consistent departures from given racial norms in criminals convicted of a given type of offense.

Specifications for Murderers

The composite picture yielded by the examination of the group of native American first-degree murderers is strikingly suggestive of the typical "hard guy" of fiction and the movies. Following are Prof. Hooton's specifications:

"First degree murderers diverge significantly from total criminal population in that they are older, heavier, taller, bigger-chested, with greater head

circumferences, narrower foreheads, longer and relatively narrower noses, broader jaws, broader ears, relatively narrower shoulders, relatively shorter trunks, relatively longer heads, less head hair, more body hair, straighter hair, more pronounced forehead slope, more convex noses, fewer and poorer teeth, both flatter and more projecting ears, less facial asymmetry, etc. Some of these differences, but by no means all of them, are due to the higher average age of this class of prisoner."

Heredity Largely Responsible

Most other criminal groups, however, were found to be physically inferior to their fellows of the same race without the walls; and this held for Negroes and Negro-White crosses as well as for the purely white-skinned folk.

Prof. Hooton paid his wittily caustic disrespects to criminologists who adhere to the doctrine that environment and training make the criminal, and that the evildoer's heredity has no connection with his evil deeds. While he regards Caesar Lombroso's early attempt to define a "criminal type" as unscientific and unsuccessful, he does believe that Lombroso made a bad start in the right direction, and that significant physical departures from the normal can be found in various types of criminal, no less than his psychological departures from the normal.

Science News Letter, May 28, 1932

MEDICINE

Fascist Salute Seen As TB Preventive In Italy

THE ANTI-TUBERCULOSIS crusaders in Italy have approved the Fascist salute, with the arm lifted up over the head, as a hygienic substitute for the handshake or the kiss, either of which may be the means of spreading tuberculous infection.

The Italian government has set aside one day of every year, generally an Easter day, for a sort of tag day when the anti-tuberculosis campaigners may gather money for their cause in the streets of all Italian cities.

Science News Letter, May 28, 1932

Holds your SNL in a grip of steel

Costs
50c
Post-
paid
in
U. S. A.

Here is a cover for your SCIENCE NEWS LETTER that is no bother at all! No holes to punch, no screws to tighten. Just snap it open, lay in your latest SCIENCE NEWS LETTER on top of the older ones, snap it closed. Two strong fingers of steel hold the copies firmly. Capacity, four months' issues. Cover color, black. Cover material, leather finished heavy bookbinder's bristol. Cost 50c, postpaid anywhere in U. S. A. \$1 elsewhere. Cash in advance. Send order and remittance to Librarian, SCIENCE NEWS LETTER, 21st and Constitution Avenue, Washington, D. C.