Since January, 1892, all of the thermometers verified at the Central Physical Observatory at St. Petersburg have been referred to the hydrogen gas thermometer at Sevres as a standard.

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The thermometers verified between January, 1877, and January, 1892, require the following (additional) corrections, in order to reduce their readings to this standard:—

	Correction of the mer-	Correction of the spirit
Temperature.	curial thermometers.	thermometers.
+ 40° C.	− 0.16° C.	- 0.2° C.
+ 35	- 0.16	-0.2
+ 30	-0.15	-0.2
+ 25	- 0.14	-0.1
+ 20	-0.12	- 0.1
+ 15	-0.09	-0.1
+ 10	- 0.07	0.1
+ 5	-0.04	0.0
0	0.00	0.0
— 5	-0.03	0.0
— 10	- 0 02	0.0
— 15	0.00	0.0
-20	+ 0.01	0.0
-25	+ 0.06	-0.3
- 30	+ 0.07	-0.6
- 35	+ 0.14	-0.8
- 40	$+ \ 0.25$	— 1.1
-45	Brishmann same	-1.4
- 50		- 1.6
- 55		1.8
- 60 C.	Manage of the Control	2 0

I wish also to mention the differential thermometer corrections described by Leyst in Wild's Repertorium für Meteorologie, Band. XIV., in which the temperature of the thread of mercury, when read, is different from that of the bulb, to which it is referred. Two cases are cited. 1. For a maximum thermometer, with separated thread (as, for instance, the Negretti and Zambra form), the thermometer is read at a different temperature from that at the time of maximum temperature, when the separation took place. For the ground-surface temperature at Nukuss, Leyst finds for a summer day a correction of $+0.73^{\circ}$ C., and that for the average of three summer months a correction of $+0.51^{\circ}$ C. must be applied to counteract this error. For the air temperatures the corrections ranged from + 0.10° C. to + 0.20° C. in the cases cited by Leyst. 2. The temperature of the thread of mercury and that of the bulb is not the same in the case of the wetbulb thermometer, when the difference in the temperatures of the wet- and dry-bulb thermometers does not vanish. Ordinarily, the thread is warmer than the mercury in the bulb. At a temperature of 30° C., and a humidity of 50 per cent, there was a correction of - 0.30° C., which means, for this case, an error of 0.5 millimeters in the absolute humidity, and of 2 per cent in the relative humidity.

TO ANTHROPOLOGISTS.

DEPARTMENT M of the World's Columbian Exposition includes all subdivisions of anthropology and history, although generally known as the "Department of Ethnology."

The anthropological portion of the department is subdivided into the following principal sections:

- 1. The Ethnographical Exhibition of Native American Peoples. The representatives of these peoples will be living in their native habitations on the grounds set apart for the purpose along the eastern shore of the Lagoon immediately north of the Anthropological Building.
 - 2. The general Ethnological Exhibit in the building.
- 3. The general Archæological Exhibit in the building, and the casts of the several portions of the ancient ruins of Yucatan on the grounds in front of the main northern entrance to the Anthropological Building.
- 4. The general Exhibit of Ancient Religions, Games, and Folklore.
 - 5. The Anthropological Laboratories on the northern gallery

of the building. These laboratories will include special rooms devoted to physical anthropology, criminal anthropology, psychology, and neurology, and will be furnished with instruments and apparatus used in research, which will be carried on during the Exposition. The laboratories will also contain diagrams, charts, and tables illustrating various researches, particularly those relating to the physical characteristics of the native American peoples, and the comparison of the same with other races. There will also be diagrams illustrating the physical characteristics and the mental and physical development of school children in North America.

6. An Anthropological library covering all subdivisions of anthropology and allied sciences. For the purpose of making this library as perfect as possible and to enable students and educators to become acquainted with the mass of literature upon the subject, it is expected that authors, societies, museums, and publishers will contribute their books and papers relating to anthropology or any of its subdivisions, such as archæology, physical anthropology, psychology, neurology, ethnology, ethnography, primitive and ancient religions, myths, legends, folk-lore, languages, primitive art, primitive manufactures, etc., etc. The transactions, memoirs, journals, and proceedings of anthropological, ethnological, and archæological societies and museums. and the special papers ("reprints," "separata") of authors, are particularly desirable. There will be printed as soon as possible a full subject and author catalogue of the library. This catalogue will receive a wide circulation, and as it is intended that it shall be a reference catalogue for students and libraries, the publisher and price of each book and paper known to be for sale in any country will be given. The library will be carefully and properly arranged in book-cases in the room devoted to it, and will be under the special charge of assistants of the department, who will permit the volumes and papers to be referred to in the room and will give information as to their price and how to obtain them of agents, societies, and publishers. It will thus be seen that it is the intention to make known through this library the works of all writers upon anthropology so far as possible and that thousands of persons specially or cursorily interested in the subject will have an unrivalled opportunity of finding just the books and papers they wish to obtain.

The library will, after the close of the Exposition, be placed in the permanent Memorial Museum of Science, which is to be established in Chicago. It is therefore particularly requested that each contribution be sent to the Anthropological Library with a presentation slip stating that it is presented to the Columbus Memorial Museum, and the same will be duly acknowledged by the proper authorities when placed in the Museum Library after the close of the Exposition. In cases that may occur when contribubutions to the library are sent for use during the Exposition only, all such books or papers must be distinctly indicated by the words "to be returned" written over the name and address of the owner or sender, and all so marked will be returned free of expense at the close of the Exposition. Every book and paper should be marked with the name and postoffice address of the sender. The books and papers should be sent by mail unless too bulky, in which case by express and should be addressed, World's Columbian Exposition, Department M, Anthropological Building, Chicago, Ill.

GOLDSMITHS INSTITUTE ENGINEERING SOCIETY.

SIR FREDERICK BRAMWELL'S PRESIDENTIAL ADDRESS.

At the opening meeting of the session of the above society the president gave his inaugural address. Mr. Lincham occupied the chair, and, after an introduction, Sir Frederick said:—

Mr. Lincham, ladies, and gentlemen: I am much flattered at being selected as president of the Goldsmiths Institute Engineering Society. I am an old member of the Goldsmiths Company having been connected with it some fifty years, and am a past prime-warden. I have to congratulate you upon the progress you have made, and am informed that, though your society has been in existence but a few months, you now number over 100 mem bers. You have two principal objects in view, one of which only