A CONTINUOUS registering thermometer for recording the temperature of the body has just been described by its inventor, M. Marey. It consists of a brass tube communication with a Pour depression of a brass tube and and a pour described by its inventor with a pour described by cating with a Bourdon manometer, containing oil, and closed. Any change of temperature, by altering the internal pressure, makes the curved manometer tube curl more or less, and to it is fixed an index which registers the movements by inscribing them on a recording cylinder. The thermometric bulb may be at some distance from the inscribing apparatus, being connected by a flexible tube of annealed copper. Two such bulbs may be applied to different parts of the body, even to the interior. It is possible therefore to note the relation between the temperatures of the interior and exterior of the body. If we remember rightly, an analogous but more portable instrument was suggested some time ago by Mr. Donald Macalister, but we are not aware whether his instrument is yet before the public.

SUN SPOTS.

The following record of observations made by Mr. D. P. Todd, Assistant, has been forwarded by Prof. S. Newcomb, U. S. Navy. Superintendent Nautical Almanac Office, Washington, D. C.

DATE, JUNE, 1881.	No. or	New	DISAPPE. Solar R	ARED BY	REAPPE. SOLAR R		Total I Visi		Remarks.			
JUNE, 1881.	Groups.	Spots.	Groups.	Spots.	Groups.	Spots.	Groups.	Spots.				
7, 5 p. m 11, 7 a. m 12, 9 a. m	2	2 20 5	 		I	2	3 4 5	9 40† 45†				
15, 9 a. m 16, 7 a. m	2	10	I 0	5	0	3	7 7	50† 40†				
18, 7 a. m	0	0	2	10	0	0	5	25				
19, 2 p. m 21, 10 a. m		0	0	0	0	0	3	15				
22, 10 a, m	0	o	0	o	o	o	2	5				
23, 8 a. m	2	5	0	0	2	5	4	10				
24, 5 p. m	0	7.	0	0	0	0	4	17,				
26, ip. m	1	25	1	2	I	15	4	401	Many of the spots small.			
29, 8 a. m		25†	0	0	I	10	5	65†	Many of the spots small.			
30, 9 a. m	0	0	0	0	0		5	60 <u>†</u>	many of the spots sman.			

† Approximated.

Published by order of the Secretary of War.

Faculæ were seen at the time of every observation.

W. B. HAZEN, Brig. & But. Maj. Gen'l Chief Signal Officer, U. S. A

METEOROLOGICAL REPORT FOR NEW YORK CITY FOR THE WEEK ENDING AUG. 20, 1881. Latitude 40° 45' 58'' N.; Longitude 73° 57' 58'' W.; height of instruments above the ground, 53 feet; above the sea, 97 feet; by self-recording instruments.

	THERMOMETERS.															
	MEAN FOR	- MAXI	MUM.	MINIM	MEAN.		MAXIMUM.					MAXI'M				
AUGUST.	Reduced to Freezing.	Reduced to Freezing.	Time.	Reduced to Freezing.	Time.	Dry Bulb,	Wet Bulb.	Dry Bulb.	Time.	Wet Bulb.	Time.	Dry Bulb.	Time.	Wet Bulb.	Time.	In Sun.
Sunday, 14 Monday, 15 Tuesday, 16 Wednesday, 17 Thursday, 18 Friday, 19 Saturday, 20	29.902 30.031 30.031 29.919 29.786	29.778 29.986 30.062 30.064 30.000 29.890 29.718	12 p. m. 12 p. m. 10 p. m. 9 a. m. 0 a. m. 0 a. m. 0 a. m.	29.778	o a. m. o a. m. o a. m. 12 p. m. 12 p. m. 12 p. m. 6 p. m.	66.3 60.3 63.6 67.0	64.0 63.6 60.7 58.0 60.0 63.6 67.0	78 76 71 67 67 70 81	3 p. m. 3 p. m. 1 p. m, 4 p. m. 3 p. m. 3 p. m. 4 p. m.	66 62 60 62 65	o a, m, 2 p, m, 1 p, m, 5 p, m, 10 p, m, 3 p, m, 4 p, m,	63 59 5 6 57 64	12 p. m. 5 a. m. 12 p. m. 5 a. m. 1 a. m. 3 a. m. 4 a. m.	57 55 57 61	12 p. m. 5 a. m. 12 p. m. 5 a. m. 1 a. m. 3 a. m. 4 a. m.	140. 134. 115. 98.
Mean for the we Maximum for the Minimum Range	eweekat o	a. m., Au a. m., Au	gust 17th gust 14th		- 30.064 - 29.596	inches.	Me Ma Mi	an for eximum nimum Range	the wee for the w	k veek at	4 pm. 20t 5 am. 17tl	67.40		o am 1.		Vet. degrees.
	1	WIND				HVG	ROME	CTER.		C	LOUDS		RAI	N AN	D SNO	w.

WIND.								HYGROMETER.						c	CLOUDS		RAIN AND SNOW.			
	DIRECTION. VELOCITY					L	ORCE IN BS. PER R. FEET.	R FORCE OF VAPOR.				LATI MIDI		CLEAR, O OVERCAST. 10			DEPTH OF RAIN AND SNO IN INCHES.			
AUGUST.	7 a. m.	2 p. 1	n.	9 p. m.	Distance for the Day.	Max.	Time.	7 a.m.	2 p. m.	9 p. m.	7 a.m.	2 p. m.	9 p. m.	7 a.m	2 p. m.	9 р. ш.	Time of Begin- ing.	Time of End- ing.	Dura- tion. h. m.	Amount of water
Monday, 15-	n. n. e.	n. n. e. n. e. e. n.	е. е.	n. n. e. e. n. e. s. s. e.	234 151 145 116 83	53/4 2 3/4	2.00 am 10.20 am 9.00 am 4.00 am 2.00 pm	.489 .470 .422 .456	.532 .462 .460 .470	.462 .509 .433 .473 .483	_	53 63 65 83 73 80	74 73 88 78 84	9 cu.	7 cir. cu. 10 10 9 cu. 9 cu.	4 cu. 1 cu. s. 10 10	11 p m 1 a m 11 2 a m	2 a m,	1.00	.01
Saturday, 20-	n.e.	n. e	.	n. n. w.	73	21/2	11.10 am	.556	•537	.628		54		'8 cu. of water fo	3 cu.	7 cu.				