ART. XI.—*The Rainfall in Middletown, Connecticut, from* 1859 *to* 1882; by HENRY D. A. WARD.

WHEN Mr. B. F. Harrison's paper, on the Rainfall in Wallingford, appeared in the American Journal of Science in June, 1881, a friend suggested that the publication of a similar one from my own records would be of interest as affording a means of comparing the precipitation of the two places.

As a result of this suggestion the following table has been prepared. It covers a period of twenty-four years, from January 1st, 1859 to December 31st, 1882, and, like Mr. Harrison's, gives month by month the amount of rain and melted snow, and the depth of snow. Middletown is in latitude 41° 33′ N. and longitude 72° 39′ W., and is about ten miles northeast of Wallingford, on the eastern declivity of the range of hills on whose western slope that town is situated.

I deem it proper to state that, up to June 1st, 1868, the observations were made by the late Professor Johnston of the Wesleyan University, at an elevation of some 175 feet above sea-level. Since that time they have been made by myself, at a station about a quarter of a mile from Professor Johnston's and 70 feet above sea-level.

bodies the latter part is by far the greater. But it need not surprise us that the former should be the greater in some metals.

It has been remarked by Lorentz that the difficulty with respect to metals would be in a measure relieved if we should suppose electricity to have the property of inertia. (See § 11 of his third paper, Schlömilch's Zeitschrift, vol. xxiii, p. 208.) But a supposition of this kind, taken literally, would involve a dispersion of colors in vacuo, and still be inadequate, as Lorentz remarks, to explain the phenomena observed in metals.

* See volume xxiii of this Journal, page 460.

	January.		February.		March.		April.		May.		June.	July.	Aug'st	Sept.	October.		November.		December.		Year.	
	Rain.	Snow.	Rain.	Snow.	Rain.	Snow.	Rain.	Snow.	Rain.	Snow.	Rain.	Rain.	Rain.	Rain.	Rain.	Snow.	Rain.	Snow.	Rain.	Snow.	Rain.	Snow.
1859	7·18	28·00	4·20	23·00	7·52	12·00	3·06	0·00	4·18	--	6·09	2·17	6·57	3·90	2·13	--	2·45	--	3·88	9·00	53·33	72·00
1860	1·69	10·00	2·62	18·00	1·68	0·00	1·71	3·00	3·86	--	3·14	2·76	3·70	3·70	2·56	--	4·74	--	5·23	11·00	37·39	42·00
1861	4·13	13·00	2·68	3·00	4·22	20·00	4·97	9·00	6·82	--	3·65	3·54	6·09	3·88	2·20	--	3·28	5·00	1·57	4·00	47·03	54·00
1862	5·21	4·00	2·14	19·00	3·87	3·00	1·59	0·00	2·37	--	8·05	6·24	1·65	5·45	3·94	--	5·79	3·00	1·73	16·00	48·03	45·00
1863	4·24	4·00	5·11	17·00	4·73	20·00	4·26	2·00	1·74	--	1.01	11·14	4·90	1·73	3·34	--	5·02	0·00	5·25	11·00	52·47	54·00
1864	3·07	5·00	1·40	9·50	2·06	5·00	1·82	0·00	3·82	--	3·00	1·68	2·92	3·45	2·66	-	4·13	2·00	3·99	19·00	34·00	40·50
1865	4·16	11·00	3·61	8·00	4·75	2·00	3·41	1·00	6·85	--	2·41	4·65	1·85	0·75	3·21	--	3·96	0·00	2·99	12·00	42·60	34·00
1866	1·61	16·00	5·11	0·00	2·60	0·00	2·90	0·00	5·38	--	3·02	4·04	4·24	6·74	2·98	--	4·34	0·00	3·31	10·00	46·27	26·00
1867	2·41	28·00	4·34	12·00	3·51	17·50	2·44	0·00	4·53	--	5·39	3·31	10·22	2·83	4·12	--	2·75	12·00	2·49	14·00	48·34	83·50
1868	3·36	27·00	1·53	12·00	2·78	17·00	4·48	14·00	7·63	--	5·24	2·36	7·39	10·49	0·89	--	4·00	0·00	2·39	11·50	52·54	81·50
1869	3·17	7·00	5·04	15·00	7·51	7·50	1·95	0·00	6·05	--	5·38	2·96	2·80	3·90	15·54	--	3·34	1·00	6·33	13·00	63·97	43·50
1870	5·72	3·00	5·45	14·00	5·97	18·00	5·32	0·00	1·74	--	2·73	1·42	3·29	1·33	4·23	--	3·08	0·00	2·30	4·00	42·58	39·00
1871	3·43	22·00	4·10	22·00	6·52	1·00	3·14	4·00	4·80	--	4·24	5·48	8·02	1·94	3·69	--	4·51	0·00	3·31	9·25	53·18	58·25
1872	2·19	1·25	2·87	12·00	4·02	12·75	1·95	0·00	3·09	--	4·89	5·43	5·58	4·94	2·47	--	5·08	6·50	4·08	28·00	46·59	60·50
1873	6·79	13·00	3·03	18·00	2·95	1·00	3·16	1·00	4·25	--	0·46	2·09	8·31	2·37	6·18	--	4·29	3·00	5·06	22·25	48·94	58·25
1874	5·98	10·75	3·69	23·00	1·45	5·00	7·11	2·25	3·48	--	2·21	5·78	6·30	2·82	1·44	--	2·64	1·00	2·31	8·50	45·21	50·50
1875	2·86	11·50	4·86	9·50	5·18	31·50	3·89	16·00	1·44	--	3 25	2·49	5·64	1·59	4·56	--	5·73	0·50	1·20	1·00	42·69	70·00
1876	1·45	5·00	5·11	14·00	9·49	8·00	3·71	4·00	2·87	2·00	1·89	10·20	1·23	6·04	1·16	1·00	4·05	0·50	4·21	26·75	51·41	61·25
1877	3·38	18·00	1·14	2·00	9·24	3·00	2·60	0·00	1·11	--	6·58	2·99	6·15	0·94	9·11	--	7·29	0·00	1·56	0·00	52·09	23·00
1878	5·77	11·00	5·13	2·00	2·89	0·00	4·42	0·00	2·93	--	3·68	1·99	4·89	1·80	2·74	--	5·48	0·50	7·91	6·50	49·63	20·00
1879	2·49	17·50	4·07	15·00	5·53	10·50	5·95	2·75	2·69	--	4·38	5·88	8·24	1·88	1·18	--	1·78	1·00	3·84	8·25	47·91	55·00
1880	3·50	5·00	3·68	8·50	3·51	10·50	3·80	0·00	0·74	--	3·07	5·67	5·56	4·13	3·94	--	2·28	1·00	2·92	18·00	42·80	43·00
1881	5·17	17·00	6·15	11·00	6·42	4·00	1·74	2·00	4·57	--	3·55	2·84	2·87	0·49	2·41	--	4·50	1·00	4·19	1·50	44·90	36·50
1882	5·12	27·00	4·74	22·00	3·64	2·00	1·48	1·00	4·38	--	1·96	2·17	1·25	11·64	4·69	--	1·65	16·00	2·65	8·50	45·37	76·50
Tot'l	94·08	315·00	91·80	309·50	112·04	211·25	80·86	62·00	91·32	2·00	89·27	99·28	119·66	88·73	91·37	1·00	96·16	54·00	84·70	273·00	1139·27	1227·75
Ave.	3·920	13·125	3·825	12·896	4·668	8·802	3·369	2·583	3·805	0·083	3·719	4·136	4·986	3·697	3·807	0·041	4·006	2·250	3·529	11·375	47·47	51·16