# Netcoralogn. 

[To make the meteorological section of Asthonoxy and Mistrohologi yet moro complete, subscribers on all parts of the continent are invited to send notes on local weather and temperature. These should reach me not less often than once every month. Such notes will almost alweys be utilized.]

Cen thousand peoplo, it is said, suffered from the Michignn forest fires this May.

On May 15.16 in the Northern protion of the Red River Valley, heavy frosts were reported, which cut down the new Spring wheat and damaged garden crops.

The hay crop in Quebec will, it is thought, be a light one.

The past Winter in Montana Terr. is said to have been the severest experienced for twenty-five years.

The amount of ice on the Cape lireton Coast at the end of May this year was unprecedented. Une vessel was five days making fifty niles.

The Navy Department at Washington, owing to the number of abanioned vessels left floating around in the Atlantic, proposes that an International Convention be called and cach country assigned a certain portion of the Ocean, which its vessels would patrol in order to destroy all floating obstacles.

Mr. Redman reports that April in his section of Illinois (Cascy) was a fine month for farming, attenided as it was, with good mins. These, however, were not heavy, but thure was more dornfall than during any previous month this year. The max. ther. at noon was $94^{\circ}$ on 13, the min. at sunrise $24^{\circ}$ on 5 . The noon temp. on 12 was $90^{\circ}$ and on $14,88^{\circ}$. My forceast reat, "Fine, seasonable, some warm days." 'On the fth the min. ther. was $34^{\circ}$ and the same on 6 . Clouds and strong winds occurred during this period. Ny forecast read: "Frostia N." "High winds, unsettled," \&ic. The rest of the month appears to have talliel just as closely with my calculations.

Mr. Birt's April record sent nie from Utica, N. Y., gives the max. ther. as 73'; min. $15^{\circ}$, and mean $36^{\circ} 14^{\circ}$. The max. har. was 30.12 ; min. 28.62 mean 29.49 . The greatest heat occurred on 10, and greatest cold on 8. His recond for May states that the month was phenomenal, the warmest for the last 13 years. Max. ther. $88^{\circ} ;$ min. $37{ }^{\circ} ;$ mean $62^{\circ} 87^{\prime}$. Max. barom. $29.74=\mathrm{min} .29 .13$; mean 29.50 . Furious electric storm, with heavy rain, on 24th.

In the North Atlantic, the first jart of the month of May was characterizmo by strong gales from N.N.W. to S.W., extending all across the Atlantic, north
of latitude $36^{\circ}$. The latter part was less windy with frequent heavy fogs north of lat. $40^{\circ}$.

At Montreal, for May 1887, the mean temperature was $61^{\circ} .06^{\prime}$, the greatest for the month of May in thititen yarrs. The max. temperature was $85^{\circ} .5^{\prime}$ on 10 ; minimum $40^{\circ} .1^{\prime}$ on 1 , a range of $450^{\circ} 4^{\prime}$. The minumum temperature was $3^{\circ}$ higher than any previons record for May. Kivin fell on 6 days to the extent of only 1.26 inches, as compared with a mean minfall of 2.92 inches. The maximum birometor reading was 30.351 on 14, minimum 29.554 on 26 , or a rugge of 0.797 inches.

At Toronto, Ont., the mean temperature of May was $58^{\circ} .51$ or $6^{\circ} .51$ above the averuge of tha past 47 years. It was $5 .^{\circ} 31$ higher than May 1886 . The rainfall was but 0.805 inches, or 2.202 inches below the average. It was the warmest May on recorl, the highest mean temperature previously on record having been ' $\overline{5} 8^{\prime} .10$ in May, 1881 . It was the driest also, if we except May, 1850, when 0.545 inches fell.

Sim Fruncisco, Cal, reconded its "hottest day for 15 years" on May 28. The thermometer at noon that day registered $97^{\circ}$ in the shade ; the previous hottest lxing $95^{\circ}$ in June, 1883 . A hot wind llew over the central parts of the state for two days, injuring wheat, strawierries and other things.

Slight earthyuakes were reported from South Carolina, Nevada, and Northem California, on Jume 3nd. Murray lkay and Les Eboulements, Que., also reported the most severe shocks since 1870. Great rocks wero hurled down, and trees levelled on the south shore of the St . Lawrence in L'Islet County. On June 4 a second shock was felt at lkic St. Paul, Quc.

Wheat was being harvested in parts of Kentucky and Tennessec during the last days of May.

## Qorrespandence.



a signal service officer's oninios.
[15.] I have received two copies of that very valuable scientific journal, Astronoxi and Meteorologr. Your predictions for April were very accurate, and up to this date (15) for May, have " hit the nail on the heal" every time. Wishing you abundant succesa
(Ljeut.) W. H. I.
Virginia. Signal Corpr, U.S.A.
scientists should give it suriokt.
[16.] Your Astronomi and Metzorolocr has been reaching me regulariy. I am well pleased with it. The general
get up of the paper is such as should command the attention and support of all students of the particular branches of science it so ably sets forth.

> Virginia.
I. J. II.

## heIGHT OF THE sNOW LINE.

[17.] What is the height of the perpetual snow line? Does it vary?

Travelder.
Aus.-It varies considembly according to proximity to the equator, ctc. Helialile estimates make it as follows:1solivia, 18,520 feet; Northern Hinalayis, 16,620; Andes, at equator, 15,980; Mexico, 14,760; Himalayas, South side, 12,980; Chili, 12,780; Caucasus, 11,000 ; Pyrences, 8,950 ; Alps, south side, 8,800 ; Alps, north side, 8,000 ; Alaskn, 5,500; Kamschatk:h 5,200; Norway, central portion, 5,000 , and Northern extremity, 9,300 fect.

## CANNO: YOU DO LKEWISE 1

[18.] Euclosed find postal order for $\$ 10$ and subscribers' names. Have not been able to get any more yet, but will try hard. Wishing you every success.

## Charleston, S.C.

Aus.-If only teu more friends would do as much for Asthonomy and Metrorowar, it would jay cost. Who will send for sample copies and try? One hundred more new subscribers could, I am sure, be easily obtained by ten of my friends in different sections getting to work in good carnest.

## LKES HIS PAPER. - THIS SUMMER'S WEATRER

[19.] Your Nay number of AstronoMr and Meteorologe is an almirable one, an improvement on No. 1. Your wenther forecast for May has been romderfully true. The oppressive and unseasonable heat commenced on the $\mathbf{1 5 t h}$ as predicted. The lail storm arrived in time on the $26 t h$, since which we have had steady yrecipitation of $1 \frac{1}{2}$ inches up to now (May 29). The wrather this summer for this locality, judging from the past, will be noted for sudden and severe changes, with periods of extreme heat. The long, heated and unseasonable term we have already had, I count in, as so much heat to be exempted from what is to come. The past winter was unprecedented here. Although we had over 100 days fair sleighing, there was no continued cold. After 3 or 4 days a sudden clange would ensuc, and vice cersa. I did not mean to sky as much when I commenced. I intenied only to congratulate you on your work and wish it more publicity.

Albany, N.Y. R. I. Banke, A.M.A.
Amn.-Your conclusions are scientific, and it will doubtless be as you expect. Accept thanks for kind congratulatious.

