all minds, not only with joy, but with a sort of religious solemnity. It is an occasion upon which almost every one seems instinctively. " To look through nature up to nature's God."

It is said that Professor Morse, while long engaged in the preliminary process of his great invention, was in the habit of making this investigations the subject of daily prayer. We notice, too, in the account of that most intensely interesting voyage of the noble thip Niagara, while laying the cable, religious services are mentioned. And on the successful arrival at Trinity Bay, Capt. Hudson of the Niagara and the following heautiful telegraphic dispatch to of the Niagara, sent the following beautiful telegraphic dispatch to his family, in Brocklyn, New York:

"TRINITY BAY, August 5, 1858.

"God has been with us. The telegraph cable is laid without accident, and to Him be all the glory. We are all well. Yours Mectionately.

Wm. L. Hudson."

THE FIRST TELEGRAPH UNDER WATER.

Doctor John J. Craven, of Newark, New Jersey, in 1846, after a Great number of persevering experiments with a variety of substanfinally succeeded in making a cable by insulating a wire with Sulta percha, and laying it first in the Passaic River, and afterward costs the North River, between New York and Jersey City. Such fact is of great interest; and now that two hemispheres are conconmunication between the Old World and the New, so wonderful and magnificent that the human mind almost fails to comprehend it an event which makes fable tame and miracle commonplaceworld should not fail to do justice and to render its sweet praise world should not fail to do justice and to render its should me all those who have contributed by their genius to this sublime testilt. That Mr. Craven is the actual inventor of the cable, and their those is We sup-That Mr. Craven is the actual inventor of the case, makes successfully laid it beneath a body of water, there is, we suppose, no doubt. The N. Y. Tribune of April 29, 1848, contains the following paragraph:

A DESIDERATUM OBTAINED.—It is known that it has hitherto been impossible to send the electric fluid across telegraph wires hen they were submerged, and that persevering efforts have been hade to obviate the difficulty. We learn that it has at last been he, Mr. J. J. Craven having succeeded, after several experiments, hat he has applied it with perfect success at the crossing of the lassaic River on the New York and Philadelphia line. He is also thout to apply it to crossing the Hudson from Jersey City to this

It is not often that inventors and discoverers can find so complete the cognition of their claims and merits by contemporary witnesses this. And now that time has made manifest the immense imtortance of these early labors of Mr. Craven in the science of tele-happing, let the world be none the less generous in acknowledging

Mr. Craven is still a resident of Newark. At the time of his extiments on a submarine cable he was in the employ of Professor borse, but he afterward acquired a professional education, and is how a successful physician at Newark.

when the fact was once established that the electric current could conducted by telegraph under water, experiments rapidly mul-blied in this country and in Europe, and it was not long before th this country and in Europe, and it was in the first lines of submarine telegraphs were successfully laid, some of hich may be mentioned here.

SUBMARINE TELEGRAPHS IN EUROPE. In the latter part of May, 1852, Great Britain and Ireland were

the latter part of May, 1852, Great Britain and resume tele-bound the latter part of May, 1852, Great Britain and resume tele-taght into instant communication through the submarine tele-taght. The distance between the points of connection—Hollyhead d Howth—is sixty five miles, and the greatest depth five hundred four feet. There was only one wire in this cable, with the intensable coating of gutta percha, which was protected and tensable coating of gutta percha, which was protected and the strength of the streng Scotland and Ireland were connected by a cable of six wires in Actiand and Ireland were connected by a cable of six whose in the steamer in not more than ten hours. The following June a was laid from Orfordness, in England, to the Hague, in Holand and fifteen miles. The task was was laid from Orfordness, in England, to the Lask was a distance of one hundred and fifteen miles. The task was a distance of one hundred and futeen mines. The supplished in thirty-four hours, and only four and a half miles of the policy of the actual length from Schomplished in thirty-four hours, and only four and a half miles of the were required in the paying out over the actual length from the point, making hardly one hundred and twenty miles altoget. Another cable connects Dover with Ostend, making the between England and the Continent.

In the summer of 1854 a telegraphic union was effected between Corsica and Sardinia, in Italy, the Sardinian Government having granted three vessels of war to assist in the undertaking. This work was attended with much difficulty, in consequence of the breaking of a part of the wire. The submerging of a cable between Corsica and the island of Sardinia was successfully accomplished shortly after; but the attempt which was subsequently made to connect the island of Sardinia and Algeria, and thus establish immediate communication between the continents of Europe and Africa, was unsuccessful, and has not since been attempted. That it will be effected, and at no distant day, there is no reason to doubt, as the obstacles are not of an insurmountable character.

Since the Atlantic cable has been successfully laid, the London News says that England will not rest till she has carried her Indian telegraph from the Land's End, in Cornwall, to Gilbraltar, thence by the Red Sea to Bombay. The next step will be to connect Ceylon or Madras with Singapore and the Australian colonies by the electric wire.

On the evening of the telegraph cable celebration in Montreal, the principal feature of the entertainment at the Theatre Royal, was the delivery of an original dramatic poem, by the author of Columbus, on the Atlantic Telegraph, representing America and Britannia; the parts were most ably sustained by the Misses Denin, dressed in character, and the national authem and Hail Columbia were sung by the entire company. The following is the poem:-

AMERICA.

Am.—Hush! not a murmur, not a whispered sound! Let every voice be mute-for all around Teams with strange rumours—and now here now there Come messengers with tidings great and rare Filling with joy and peace the still prophetic air, But who comes here with such majestic mien In face a goddess, and in gait a queen? Ancient in years, in actions ever young, Britannia comes, she whom old bards have sung What time old worlds with mighty triumphs rung.

Enter BRITANNIA.

Sweet elder sister, welcome to our shore! Hail to the mother of great men of yore, Patron of arts and mistress of the sea, Thou who first taught old nations to be free, And made thy sea girt isle the house of liberty.

Brit.—And Hail young genius of the western sky,
My sister, friend, companion and ally,
Where British accents sound thy streets among, And Chatham's language is the mother tongue. Ye northern hearts still subject to my sway, Canadian workers of the present day, Offshoots of ancient France—heroic—true; England remembers, ye are Norman too, And British emigrants of worth the staple Rose, shamroch, thistle grafted on the maple. 'Tis done, the work is done; Far below light of noonday sun, The chain of peace is laid— Where spade no'er turned the sod, Where mortal foot ne'er trod, Where none can see, save God, The chain of peace is laid.

Am.—Honor to Science pay,

Honor to those in this our day, Who wrought the glorious work. Great Franklin, when he first essayed To turn Heaven's lightning from its course, Ne'er dreamt of wonders since achieved By Wheatstone, Cook, and Morse.

Brit.-Indignantly old Neptune rose With forehead high and hoary, To lash his billows upon those Who dared dispute his glory. He launched the lightening and the flood, And rent the rope in twain, Those men of Anglo-Saxon blood Went home and tried again.

.Im .-- It comes -the message comes, Boom the cannon, hark the drums-