that the Greeks computed time by them．The period of four years between one celebration and the next was called an＂Olympiad．＂The games had also the privi－ lege of suspending wars during the time necessary to go to the festival and return．Since the eighteenth Olympiad，in 708 B．C．，those who had shown them selves qualified entered in the lists for the javelin contest．The best four champions in this trial pre－ sented themselves for the foot race，which eliminated one contestant．There then remained three for the quoits and two for wrestling．A crown of wild olive was the reward of the victor．When he returned to his native city，the walls were torn down to give him entrance；he was borne in a triumphant procession， and he was given freedom from taxes．The Olympic Games were only abolished by Theodosius in A．D． 394．The contests were all held in the stadium，which was so constructed that fifty thousand spectators could find a place around the arena．The stadium is 656 feet long and 100 feet wide，and there are twenty－five ranges of seats．The seats，steps，etc．，are built of stone from the Piraeus and of Pentelic marble．Thanks to the munificence of a wealthy Grecian gentleman，the work of repairing the stadium was done．In the Scientific American for January 11，1896，the work of restoring the ancient stadium is illustrated．
In one respect the coming games will be remarkable， as women may now compete in the arena for athleti honors，according to the old Grecian custom． The games will inaugurate a series of in ternational contests，the next being held in Paris in 1900．The Olympian Games wil begin April 6，the seventy－fifth anniversary of the proclamation of Greek independence and will continue for five days．The games will be under the presidency of H．R．H．the Crown Prince of Greece．The games will consist of athletic sports，including
Running Contests．－Flat races for dis tances of $100,400,800$ ，and 1,500 meters also a $h$ urdle race of 110 meters，under th rules of the Union des Sociétés Françaises de Sports Athlétiques．Special cross coun try race，from Marathon to Athens，a dis tance of forty－two kilometers，for the cup offered by Mr．Michel Breal．The winning post for this race will be at the Panathenaic Stadium restored through the munificence of the Hellenic citizen Georges Averoff． Competitions also in long and high jumps， pole jumps，putting the weight and disk There will also be gymnastic competitions fencing and wrestling，also foil，saber，and sword exercises for amateurs and profes sionals．Wrestling－Roman and Greek styles．
Shooting with any kind of rifle（military or otherwise），distance 200 and 300 meters and with revolvers．
Nautical sports will include yachting（sup plementary programme）．Steam yacht race under the rules of the＂Cercle de la Voile de Paris，＂distance 10 miles．Sailing races under the English Yacht Racing Associa－ tion＇s rules and tonnage regulations．1．For yachts of not more than 3 tons（in two sections，if necessary），distance 5 miles． 2. For yachts from 3 to 10 tons，distance 10 miles．3．For yachts from 10 to 20 tons， distance 10 miles．4．For yachts of more than 20 tons，distance 10 miles．Races will also be arranged for native sailing vessels and seamen．Rowing，single sculler， 2，000 meters over a straight course（skiffs）；doubl scullers，over a straight course，for yawls and outrig gers；four oar race，over a straight course，for yawls A special race will be arranged for men－of－war crews The rules will be as those of the Italian Rowing Club Swimming．－Long and short distance races，for dis tance varying from 100 to 1,000 meters．There wil also be water polo competitions．
Cycling．－Short distance races．2，000 meters on the track without pace makers ； 10,000 meters on the track without pace makers． 100 kilometers on the track with pace makers． pace makers．
Lawn Tennis．－Single，double（Rules of the All England Lawn Tennis Association）．Cricket（under the rules of the Marylebone Cricket Elub）．Footbal （Rugby and Association）．

M．Radul Pictet，who has done much original chemical work at low temperatures，suggests that by making use of low te mperatures syntheses may be ob－ tained which would beotherwise impossible．In many chemical operations the heat generated so raises the general temperature of the bodies acted upon that al control over the combination is lost．At very low tem peratures，however，all chemical action ceases．By choosing the right temperature，therefore，reaction between chemicals may be made as slow as desired By this means M．Pictet has effected combinations that are impossible at ordinary temperatures．

dr．Nansen＇s proposed rodte．the starred line shows codrse of driftwood from the jeannette
her sloping sides and bottom．She was very strongly built，being planked with double layers of oak 31 inches and $41 / 2$ inches thick，sheathed again with ice planking varying from $31 / 4$ inches to $61 / 2$ thick．The ceiling was in alternate strakes $41 / 2$ inches and $81 / 2$ inches thick．The enormous mass of timber for so small a vessel，in conjunction with her shape，seemed enough to make her stand anything．The screw and rudder were arranged so that they could be raised into a well for protection if desired．The ship was 101 fee 6 inches long，displacing 800 tons at 15 feet 6 inches draught with 3 feet 3 inches freeboard．Her carrying capacity was put at 380 tons and she carried five year supply of provisions．
Her crew consisted of eieven men in addition to Dr． Nansen，and they departed prepared for an absence of three to five years．The ship was to coast along the northern shores of Europe uniil she reached the vicinity of the New Siberian Islands；here she was to strike north，depending largely on ocean currents to carry her along．The course would carry her past the North Cape and then approximately along the the North Cape and then approximately along the 70th and 80 th circles of latitude until at or about the
150th parallel of longitude east from Greenwich，and 150 th parallel of longitude east from Greenwich，and
just north of Bennett Island，the course would be just north of Bennett Island，the course would b
changed to the north．Hence the explorer hoped to pass by the pole，to work down along the east coast of Greenland and thence to the east back to Christian sand．In many wass it is the most inter esting of the attempts yet made to reach the pole．The specially built ship，the personne of those who manned her and the unselfish ness of her commander gave an elemento the romantic to the whole．The explorer is said to have had the smallest and least com－ fortable cabin in the ship．
Nansen＇s previous work in the Arctic in dicated his ability to use all the possible resources of the region for his work．He utilized skees or Norwegian snow－shoes in traversing the Greenland ice caps，and in his book on his Greenland expedition wil be found a singularly interesting account of these aids to snow travel．It is to be hoped that his resourceful mind will prove equal to the task he has assigned himself．H departed on June 24，1893，and the presen day seemstoo soon for him to be heard from As an interesting appendix，we print a table of the most northerly points attained by Arctic voyagers．The figures will be impressive in showing how slow the advance to thenorth is，and how little has been gained since the days of Henry Hudson． The table is taken from General A．W． Greely＇s work，＂Hand－book of Arctic Dis－ coveries．＂

An Opportanity for Draughtsmen．
The Municipal Civil Service Board，of this city，will soon hold examinations for the positions of computer and topographi－ cal draughtsman in the parks and annexed district．It has been difficult to get a suf ficient number of candidates for either of these positions，and quite a number of vacancies exist in consequence．The sala ries paid the computers range from $\$ 900$ to $\$ 1,200$ per annum．The salary of draughts man is $\$ 1,200$ ．The board is ansious to receive applications at once，and will hold its examinations as soon as a sufficient num ber of applications have been received． was a three masted schooner in rig，with engine and Blanks may be procured at the office of the Civil screw，rather of the auxiliary type．With a consump－Service Board，Criminal Courts building． tion of $23 / 4$ tons of coal a day the Fram would develop a speed of 6 miles an hour，the idea being to use sail whenever possible and econowize coal for use in emer－ gencies．She was built with a very round bottom and ces．She was buit with a very round botom and can is laying a line oetween Revkyavik and an Amer别 nothing was presented for the ice to take hold of．that an Englishman has submitted to the Althing a The hopes were that if caught between opposing floes proposal for a telegraph cable between Iceland and she would be lifted up bodily，the ice sliding in under the Shetland Islands，

Eastren hemisphere．

| Commander． | Date． | North Latitude． | Longitude． | Locality． |
| :---: | :---: | :---: | :---: | :---: |
|  <br> Henry Hudem． <br> J．C．Phipps． <br> Wiliam pcoresby <br> W．E．Parry <br> Weyprecht and Payter <br> Weyprecht and Payer． |  |  |  | Near C．Nassau，Nova Zembla． <br> North Spitzbergen． <br> Spitzbergen Sea． <br> Spitzbergen Sea． <br> Spitzbergen Sea（highest by ship）． <br> Franz Josef Land（by Payer，highe land）． |
| mestrrn hemisphere． |  |  |  |  |
|  | June 30， 1587 June 20， 1607 August 27， 1852 August 30， 1870 June 30， 1871 September 25， 2875 May 12,1876 |  |  |  |

