The next meeting of the association will be at Cleve refuge! What must they have thought of the mockery sions nor onthusiastic ideals must be allowed admit
and, Ohio, in August, 1888. Major J. W. Powell, of of Bedloe's Island-Liberty enlightening the world Washington, D. C., was chosen as president. There was also the usual election of other officers for the as sociation and for the sections.

## positions of the planets in september.

venus
is evening star until the 21st, and then morning star On the 21st, at 11 o'clock in the morning, she arrives at inferior conjunction, and, passing between the earth and sun, completes her course as evening star, changing from the eastern side of the sun to the western, and commencing her course as morning star. She sets on the 1 st about a quarter before 7 o'clock, a little less than half an hour after sunset. On the 30 th , she rises at 20 minutes before 5 o'clock in the morning, an hour before sunrise.

## JUPITER

s evening star. He will be the brightest star in the heavens for nearly the whole month, as Venus sets soon after the suu in the early part of the month, and is quickly lost to sight. Jupiter will be found in the west, soon after sunset, in the constellation Virgo, $11^{\circ}$ east of Spica on the 1st and $16^{\circ}$ east of the star on the 30th. He sets on the 1st a few minutes before half past 8 o'clock in the evening, two hours after sunset. On the 30 th he sets at a quarter before 7 o'clock, an hour and a quarter after sunset.

## MERCURY

is morning star until the 10 th , and then evening star On the 10th, at 1 o'clock in the afternoon, he is in su perior conjunction with the sun, passing beyond the sun and reappearing on his eastern side to run his shor course as evening star. He is invisible during the month, rising on the 1st about half past 40 'clock in the morning, and setting on the 30th about 6 o'clock in the evening.

## URANUS

is evening star, is very near the sun, and nearly at his greatest distance from the earth. He sets on the 1st at half past 7 o'clock in the evening, and on the 30th soon after half past 5 o'clock.

## SATURN

is morning star. He is an interesting object for observation in the early morning hours, as he moves east ward among the sinall stars of Cancer, being about $9^{\circ}$ southeast of Pollux and about the same distance northeast of Procyon. He rises on the 1st at 2 o'clock in the morning, and on the 30th about a half hour after midnight.

## MARS

is morning star. He is still stuall in size and luster. At the commencement of the month he is about $2^{\circ}$ northeast of Saturn, and may be found with the aid of an opera glass. He rises on the 1 st soon after 2 o'clock in the morning, and on the 30th at a quarter before 2 o'clock.

## NEPTUNE

is morning star, and is nearly at his greatest distance from the sun. He is in the constellation Taurus, south of the Pleiades, rising on the 1st about a quarter be fore 10 o'clock in the evening, and on the 30th about a quarter before 8 o'clock.

## the blot dpon our statute books

A recent event has directed our attention to the operation of the Chinese immigration laws in a manner that is not particularly flattering to our pride as citi zens of the greatest and freest republic in the world The circumstances, when briefly related, are these : Two tea-carrying steamers, the Monmouthshire and the Glenshiel, started from Amoy nearly the same time for New York. They raced with each other over whole hemisphere, with the Glenshiel coming into port several days ahead, having made the trip in forty-two days and thirteen hours-the fastest time on record.
It seems that the crew of the Glenshiel consisted of Chinamen. As soon as she arrived, an inspector of customs was placed in charge of the vessel, "in order," as one daily paperstated, "to prevent any of them landing to degrade Anerican labor."
Now, observe that the men thus watched and guard ed by the argus-eyed inspector of customs were not criminals, nor paupers, nor even workmen competing with Anericans in the labor market, but simply sailor who desired to recreate on land after the toil and hardships of a long ocean voyage. To forbid the landing of sailors ordinarily would be the refinement of cruelty but in the present case it was an exhibition of barbar ism hardly to be expected from the most enlightened nation on the globe.
Imagine the feelings of those gallant and plucky seameu on being told that they were forbidden to land lest they degraded American labor! that America free to the rest of the world, including the wild men of Borneo and the degenerate Hottentots, was not free to them, simply because they were Chinese, and that they must content themselves with a sight of the land flowing with milk and honey, but were not to enter it. Imagine their disappointment and their disgust with the loud pretensions of this country to be a land of
of Bedloe's Island-Liberty enlightening the world The irony of the French sculptor is not the less keen be
cause unintentional. Suppose our American sailors, the bravest and pluck est of all that plow the high seas, were forbidden by Chinese law to land on the Chinese coast! Howindig nant we would be, and how eloquently we would de claim on Chinese heathenism and exclusiveness! And yet, under our very noses, the laws against Chinese im migration are so enforced as to perpetrate the grossest njustice and inhumanity.
Every day we meet with cases where the mischievous operation of the anti-Chinese laws cau be plainly seen But while we can trace many evils directly to the en forcement of these laws, the evils that result indirectly are neither to be traced nor to be adequately calculated The persecution, distress, and wrongs to which the Chinese in this country are subject in consequence of those laws and their harsh execution are unknown quantities; but it does not require much intelligence or any one to understand that when our government refuses to acknowledge the rights of these poor stran gers, and shows itself reluctant even to accord theu the protection of the laws, this will be taken advantage of by their mortal enemies, the foreign miner, the sand otter, the hoodlum, and the saloon politician. We quote the following from Fire and Water, to show that we are not talking at randon :
' When calling attention last week to the danger of a destructive conflagration at Los Angeles, Cal., we might have added to the other hazards that contributed by the presence of a large and extremely unpopular Chinese element. It seems that barely a fortnight ago the agents of most of the insurancecompanies canceled their policies on buildingsoccupied by Chinamen, upon the ground that the existing feeling against them made the hazard too great. They have reason to congratu late themselves upon their foresight, for early on last Sunday morning a fire of unknown origin, which start ed in a gambling den in the Chinese quarter, consumed wenty-five buildings, in which about 1,000 of the "almond-eyed" had been housed, the losses being esimated at $\$ 100,000$; and the press dispatches mention significantly that, although the fire companies came promptly to the spot, the slow and deliberate way in which they went to work 'seemed to indicate that hey were not over-anxious to save the buildings.' '
It is true that the fire started in a gambling den, bu the majority of those who were burned out of hous and home were,.doubtless, industrious and peaceable men-not addicted to gambling. Could there be è meaner exhibition of depravity than that shown by those firemen? They did not put out the fire, but they extinguished every spark of honor and humanity n their own breasts.
As Americans, we are ashamed to own that such things are possible within our boundaries. We are not proud of the position we occupy of being the only nation that carries out a policy of exclusion, and we denounce the ill-treatment of the Chinese as unchris tian, barbarous, and inhuman.

## Philosophy of Longevity.

There is much in modern life that tends to shorten existence and to diminish the probability that a man or woman will reach ninety, to say nothing of a hundred. We lead more exciting and more wearing lives. It is in vain that a person has a splendid constitution to begin with, wears flannel, or the equivalent of flannel, next to his skin, dwells in a warm, dry house and eatsand drinks everything that is good and whole some, if at the same time he habitually overtaxes bis strength, looks upon his muscles as mere machinery to be driven at high pressure, and ruthlessly calls upon his nerves to squander their reserve power when every other source of energy is exhausted. Men or women who intend to be centenarians in these days nust combine something of the old mode of life with something of the new mode of living. They must, while availing themselves of all the scientific discoveries and sanitary appliances of the age, imitate their grandșires in the steady and tranquil habits that pre vailed before the invention of locomotives and the telegraph. They must have their eight hours of sleep egularly; they must have intervals of repose and vacancy in the daytime ; they must spend a goodly por tion of their waking hours in the open air. Nor will that suffice; there will have to be regularity in the hours of their meals, and discipline in the ordering o the dishes of which the meals are composed. We can not believe that anybody will ever live to one hundred who eats a heavy dinner every night of his life at eight 'clock. Champagne in abundance, and Bordeaux or Burgundy ad libitum, should be forsworn by persons who deliberately set before them the attaining of their hundredth birthday. Neither, with such an end in view, would the active life of a politician, a lawyer, or a doctor be a sane enterprise. In order to reach that distant goal there must be a training, if not severe, at least regular and unflinching. Most of all there must prevail in the existence of such a person a trangni
ons nor enthusiastic ideals must be allowed admit tance. The pulse must never be driven up beyond a
certain point, either by work, by anxiety, by fear, or by hope. At the same time, mere stagnation will, in all probability, never enable a person to live to one hundred. There is such a thing as rusting out as well as wearing out. If a candle does not burn brightly enough, it does not consume the wax with rapidity, and goes out for want of adequate combustion. It is so, no doubt, with the human body and the human spirit.-Lendon Standard.

## PHOTOGRAPHIC NOTES

Reproductions on Erythrosine Bathed Plates.-The nost favorable illumination for oil paintings is a direct front light, by which shadows cast from very thick strata of paint and strong brush marks are considerably allayed, and the structure of the canvas is made invisible.
Black or neutral colored screens, placed at certain angles toward the object to be copied, will absorb the objectionable light, and leave the original free from reflections. Gloss and flares may cause disturbances; but these may be overcome by placing reflecting mirrors behind the lamps, and by adjusting one horizonally directly under the picture.
When very old oil paintings have hung for a long time, exposed and subjected to dust, moisture, and other destroyinginfluences, the surface of the painting is sometimes so much incrusted with dirt as to make good copy from it an impossibility. If it is practicable, which sometimes it is not, the picture should be cleaned with a soft sponge, water and soap, and, after allowing to dry slowly, rubbed over first with a dry soft sponge, and afterward with oil or glycerine and water.

Line engravings, manuscripts, and other old documents, yellowed by age, copy exceedingly well upon erythrosine plates ; and equally so do old photographs. The grain of the paper, making enlarged photographs look rough and coarse, disappears almost entirely upon orthochromatic plates, and they are used, therefore, for that purpose quite extensively. In fact, for all kinds of photographic copying, with the exception, perhaps, of those showing pure whites and blacks, color-sensitive plates do good service.-Photo. Times.

## The Detroit Electric Street Railway

"Do you make any speed with the electric motor:?" reporter of the Detroit Free Press asked of Frank H. Fisher, inventor of the system in use on the Highand Park road.
"Come out and receive a practical demonstration," was the reply.
The invitation was accepted, and shortly afterward the young inventor and the reporter were at the power station. Here were found two dynamos, one or operating two cars and a larger one for handling six. These dynamos are driven by one engine, and it was impossible to tell that the machines were delivering the current to the track, there being no spark and very little noise. The current is taken to the car by means of a third rail, which in the city limits is placed in a conduit entirely below the level of the street, but at the toll gate it is raised somewhat and protected by wooden stringers on the remainder of the road. The equipment of the road has been largely increased, and cars now run every half hour. While inspecting the conduit, the car Ampere came dashing down the track. It had hardly stopped when the crowd of waiting passengers began to scramble for seats. Mr. Fisher and the reporter took a position on the front platform. The conductor gave the customary yell of "All aboard," and then a signal to the motor man. The latter didn't yell'"Get up," and pound a tired horse with a whip. He simply moved a little switch, and the car glided noiselessly and rapidly in the direction of Highland Park. The trip to the end of the road, which is three and one-half miles, was made in fifteen minutes. On reaching the switch, the car Volta passed without any perceptible difference of speed in either car. This explodes the erroneous idea that two cars going in opposite directions and propelled by electric curreuts cannot pass each other. On the return trip, when the pretty stretch of road from the post office to Kaiser's was reached, Mr. Fisher gave a signal to the motor man, who moved another switch and "let her out." The car shot forward, and rushed past Highland Park and 'Captain Stevens' farm at a rate of twenty-five miles per hour. The speed was maintained until the switch was reached, when it lowed down to twelve miles an hour into the city.
The new cars Franklin and Faraday, recently placed on the road, show marked improvement in mechanical construction. The motors are placed on the front platform, entirely out of the way of passengers, and there is an entire absence of wires and other paraphernalia. Each car is provided with an ammeter, which indicates the amount of current being used by the motor. The cars themselves, which were built by the Pullman Company, of Detroit, are fine specimens of railway architecture.

