Why Men Only Are Color Blind

Just think of it! Scarcely more green and their combinations afthan a hundred years ago it was not fected he is said to be "dichroknown that there was any human matic." When he is totally color being who saw green when red was blind and sees merely white, gray shown to him. In a word, color and black he is "monochromatic." blindness was unknown. The bare fact that some eyes are born not to double color errors are, in turn, Pluviose left Calais at 1:45 P.M. possess normal vision for colors subdivided into three groups. They for submersion tests. Half an hour was wholly unknown.

the sceptical medical world with the yellows and blues. announcement' that there were many persons thus affected.

Indeed, physicians who did not scoff at Dalton called the trouble Daltonism, and the subject of color blindness was not given practical ation, when the Swedish physiolo- run right past a red flag or a green gist-also not a doctor of medicine light and think it yellow. He will emphasized its relationship to also mistake greenish blues and railroad wrecks, wrecks on light-house reets and similar emergen-

Only in the past dozen years or at a rainbow or a spectrum of all so has it become imperative in all the colors he will not see beyond civilized countries, in recognition the green, which will appear yelof the immense numbers of persons low. A neutral band of gray will who are color blind without know- also be seen sometimes in the rainwho are color bland without know, ing it, to demand that all appli-bow or other spectrum between the blue and green. In this common type of red blindsubmit to color tests. One man al- ness the peculiar defect is absence most in every twenty is color blind. of any recognition of green. It is

most every day. It has just been one stares fixedly, at a color and found that women are never color closes his eyes an opposite colorblind. Yet color blindness is a called a colored after image-is to characteristic that is inherited and be seen. passes on from generation to gen- In the other great division of col- were despatched to the spot. The

Nevertheless color blindness is in- appears in shades of gray. The eye twenty-four men. herited, according to the laws of is supersensitive to light. Mendelian hereditary. If all are Thus, to say a person sees every- ring around the spot despite the born girls, it remains dormant and thing with a jaundiced eye may be strong north-easterly swell. Four reappears in one of every four male more true than poetic. children of the next generation. In The very central part of the inner rescue the imprisoned crew, but consequence of this, it is called a back wall of the eyeball—the retina owing to the strong tide had to give One investigator, Dr. W. H. Its innermost bullseye contains the up for the time being and it was sex linked characteristic.

the presence of one. Two clocks were found on board the wire told them all was well on type of English submarines, a type the Lutin. One had stopped at board. Two clocks were found on board 10:32 o'clock. The minute hand had fallen off the other clock, but the hour hand showed the time approximately 11:10. In spite of this the commission decided the imprisoned men had lived less than fifteen min-

utes A French submarine also was the ing helmets and suits. victim of an accident which shocked the world in May, 1910. Qn the The color blind who come into the 27th of that month the submarine are red blind, green blind and vio-let blind. Red blindness is the one of the Calais and Dover Line, cartinguished chemist Dalton, who most frequently encountered. These rying passengers and mail to Engwas men are really blind to both green land, left her pier. There were discovered that he nunsell was and red and they distinguish only many Americans on board, who subsequently were witnesses to the

. To such unhappy persons green, fatal accident. the heart and lungs rather than sufred, and orange and yellow all ap-The Pas de Calais had got well focation out into the stream when her padpear as yellow of varying tints. Therefore if a man happens to see dle wheel struck something which too much yellow and light caused the steamer to rock violently browns around, he had best test his and come to a stop. The captain importance until the present gener- eyes for color blindness. He will thought he had hit a submerged the form of the Pluviose

Rose to the Surface

The in the wake of the steamer. Divers descended and the sunken captain immediately ordered out vessel was located. The salvage the boats to go to the aid of the corps succeeded in raising it a few submarine. days after the accident. The crew

bers of the crew:

submarine, at 2 P.M.

had died from the results of car-

rapidly approaching death, was

The sailors quickly reached the submarine and climbed aboard her. They rapped loudly on the steel skin, but received no nesponse. Suddenly the Pluviose began to sink, and the sailors barely had time to climb back into their boats. Without warning the sub-The new discoveries about color confused with dull reds and grays. The Pas de Calais put back to port blindness are many and increase al- Everybody knows that when any

mail to another vessel News of the accident quickly spread to Calais and Paris. Torpedo boat destroyers and two tugs or blindness there is an entire loss crew of the Pluviose consisted of a This seems odd at first thought. of vision for all colors. Everything commander, three officers and

The salvaging vessels formed a Scheme to Invade Britain -contains the seat of color vision. up. Attempts at rescue were given Howell professor of physiology at visual points for green. The next decided to send powerful tugs and Johns Hopkins University, report-ed that color blindness is more the third outer one, blue, then dredgers from Cherbourg to re-cover the submarine. the eye from seeing colors perfectly: retina. This is due to tobacco and is not These questions are often asked: This is due to tobacco and is not the guestions are often asked: These questions are often asked: These questions are often asked: These meters of water. As soon as have the same aim in view, namely, the school master, his is due to tobacco and is not if would like to become a sailor petrol appeared on the surface of the water it was decided that the war. Both parties are working si- collected by women by organized at Actium, B. C. 31, 500 ships und

ola, in space hardly sufficient for also reassured when the buoy tele- stone, causing the death of four phone jumped to the surface and officers and a crew of ten the commander at the other end of The A-3 was one of the

When the periscope of the U-3 February, 1905, the A-5, while staappeared, all members of the crew tioned at Queenstown, was the except two officers and coxwain scene of an explosion which cost climbed through the submerged tor- the lives of six of the crew, twelve pedo tube and rose to the surface, being injured. The A-8 sank off where they were quickly picked up. Plymouth in June, 1905, fourteen These men were equipped with div- members of a crew of eighteen losing their lives. The A-6 sank at The other three decided to re- Portsmouth in November, 1905, but The Entire Crew Was Rescued main with the submarine until she was raised completely, figuring with great difficulty. The old A-1 there was enough oxygen left for collided with the steamer Berwick them to remain aboard safely. Castle in 1904, twelve members of When the work of raising was com- the crew being drowned, while sepleted these men were found dead ven members of the crew of the new in the conning tower. Apparently A-1 were injured in an explosion they had not miscalculated the sup- which occurred on August 6, 1910. ply of oxygen, but death probably

A peculiar accident happened to was due to atmospheric pressure on | the United States submarine F-1 on October 11, 1912, when the submarine was manoeuvring in the wa On April 15, 1910, Japan sufferred ter near Fort Watsonville, Cal. the loss of the submarine No. 6, The vessel orashed into a pier and which sank in Hiroshima Bay with drifted out of the reach of assisa commander and fourteen memtance. Two members of the crew. John Schroeder and E. Turcett, News of the sinking did not were drowned. The body of Screereach Tokio until the following day der drifted ashore, but how he esand then salvage apparatus was caped from the watertight submarsent from the cruiser Topohashi. ine remained a mystery.

SOLD FIRST TEA IN ENGLAND.

Dan Rawlinson's Sign Still Hangs bonic acid gas poisoning, conditions Over Successor's Shop.

indicating that death had come Two tradesmen, or rather, two is the largest in number of any nava three hours after the sinking of the firms, mentioned by Pepys, still ex-ist-Hill, the Bond Street violin formidable, no doubt, in tonnag A manuscript, a sailor's log, of maker, and Dan Rawlinson of Fen- weight of metal and other eler church Street, the first grocer to of offence, but not the largest num

Found in the Conning Tower. sell tea in England, whose concern cally. survives under the name of David-This manuscript had been prepared by Lieut. Sakuma, who commanded

the submarine. England sustained a severe loss over Rawlinson's shop adorns the when on February 2, 1912, the sub-marine A-3 collided with the Bri-may be seen the canisters and tish gunboat Hazard off the south- scales dating from the 17th century. west coast of the Isle of Wight. The Dan Rawlinson charged his custom submarine went to the bottom like a ers \$15 a pound for tea.

Populace Still Firmly Believes That Kaiser's Army Can March line of battleships of Howard's fleet Victoriously Over England.





WAR CRAFT OF EARLIER DAYS NUMERICALLY STRONG

Mustered More Spaniards Than are Gathered Together

by Nations Now.

There is no certainty as to the total number of the allied fleet gathered at the Dardanelles, but whatever the number, it is a mistake to say that The most

At La Hogue, May 19, 1692, the son, Newman & Co. The identical French had 76 vessels and the English and Dutch alles 56-60. Blake had 46 vessels at Dungeness, Nov. 28 1652, against Van Tromp's 98, and the Dutch under Van Tromp off Goodwin Bands, Oct. 20, 1639, had 110 vessels to 67 in the Spanish fleet. Sept. 1, 1591, occurred what Rawson in his "Twenty Famous Battles" calls "the nost conspicuously gallant fight in all the annals of naval warfare," when 53 menish vessels were fought single nded at Flores, in the Azores, by the English man-of-war Revenge, commanded by Sir Richard Grenville, who scorned to follow the other five British when they ran from what they regard ed with reason as a hopeless fight. The Spanish had 120 ships in the Armada they launched against Eng-land July 29, 1586, and the English

common among imperfectly educat-ed persons than among college and university graduates. This is not true. It has nothing to do with education, although there is a form of defective vision which prevents the eye from seeing colors perfectly:

true of color blindness.

cent.—one woman in ten thousand —of women are color blind. Wo-men are never color blind. That is an error. Even the most masculine of the sex have not yet been shown to be color blind. to be color blind.

There are two types of complete tained in the mysterious Pandora's 17, 1911. color blindness, each of which has box of dark pigment present in the do with groups of color-red to "nucleus" or yolk spot of the hu-was manoeuvring in the harbor to do with groups of color-red to "nucleus" or yolk spot of the hu-blue and white and black. When man egg. Until science unravels the color blind man has two im- this, color blindness will continue portant colors such as red and to pass on from mother to son.

> ratus were hurriedly summoned to drag the spot where the Submarine Disappeared and after some hours work they succeeded in locating what was be-

HAS COST MANY LIVES IN ITS DEVELOPMENT.

Principal Causes of Accidents Have Been Collision With Other Vessels.

The sinking of the United States chances were that the entire crew submarine F-4 while manoeuvring had perished. in the waters off Honolulu recalls Despite all efforts the Lutin was some of the disastrous accidents not raised until October 28. The that have happened to submarine submarine was towed to the Ferryboats of the other naval powers ville dock near Tunis. Efforts which have experimented exten- were immediately made to remove rively with undersea craft-France, the bodies from the vessel. They England, Germany and Japan. were found de be decomposed, prin-Although the sinking of the F-4 is cipally by reason of the acids that the first fatal accident the United States navy has experienced with A commission was formed to insubmarines, their development in vestigate the accident. On Novem-the case of the four other nations ber 21 Minister of Marine Thomson announced its report. has been accompanied by

Many Terrific Fatalities.

All of them have lost submarines accident. An interior bulkhead of with their crews, the principal one of the water ballast compart-cause of these accidents being the ments near the stern was too weak to withstand the pressure of the inresult of the submarines colliding take of water and had given way. with war vessels acting as guar. This abnormal pressure was due to dians while the submarines were take of water had not closed bemanoeuvring. As a rule the sub-marine alone suffered from these cause of the presence of a pebble in front of the sluice gate of the sea collisions, sinking before aid could valve. reach them. According to the commission most

In 1906 France sustained a subof the crew had taken refuge in the marine loss which not only shocked manoeuvring compartment, but the that nation but stunned the marine members had quickly become afauthorities of the world. On Octofected by the increased air presber 16 of that year the submarine boat Lutin with thirteen men sure. An attempt had been made to open the hood, but had failed principally because of the weakened aboard started out in the morning for her submension trials in the condition of the men. The bodies waters near Bizerta. The vessel of three of the orew were found in conded and did not rise again. a position which indicated they had After waiting for her to re-appear

the officers on the accompanying warship became anxious, but they did not abandon hope, and her fate was in doubt for some time. Finally it was decided that the Lutin lay at the bottom of the sea at a depth of forty meters. Vessels unable to turn the orank because

Made an Attempt to Escape

was discovered immediately and the done.

repair ship Vulkam, tender for submarines, equipped with cranes, was brought to the spot. Divers descended and succeeded in placing

ends of the submarine. A feature of this accident was the fact that during the time the crew lieved to be the sunken submarine. remained imprisoned in the submar-On October 18 word was flashed ine sixty feet below the surface they to the Minister of Marine in Paris communicated that the Lutin had been found at a

With Their Rescuers

depth of 118 feet. He was inform-ed that the vessel was lying on her side and that while the hull of the through a telephone attached to a buoy which was released from the vessel was intact, the probable bow of the submarine a few minutes after she had gone to the bottom. All through the rescuing operations the commander of the U-3 kept in communication with the rescuers and directed the work of rescue. Although the U-3 slipped from the grappling chains of the Vulkan more than once, the rescue ship succeeded in bringing the submarine to the surface in three hours. Eight hours had elapsed from the time the U-3 went down until the The commission found that a pebble had been the direct cause of the

Another statement made in Prot. or an engineer. Can I be outed of the water it was decided that the water it was decided that the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the boundary is the water it was decided that the boundary is the water it was decided that the boundary is the boundary movements, though the government German nation, that part which easily handled, and possessed one it costs nothing to join this movetioned everything that has been

The secrecy enables the authorities to keep doors open for escape in the event of failure, and the government would then be able to deheavy chains around the tapering clare that everything done had been done without its knowledge and would not, had the facts been known, have obtained under any circumstances its permission.

The first movement refers to the collection of funds, already said to have reached several million marks, to be presented as a special reward to the army which has been assembfered have been almost ruinous. led and is now ready to invade

has been substantially reduced by pressed in no incatories have not how waters of Goodwin Sands to light means of submarine attacks and the slightest doubt of Germany's Tromp said: "I have powder enough danelles an impossibility in the ability to crush the countries' en- for both. I will give you half of opinion of the German authorities emies, they nevertheless venture to mine. -must entail.

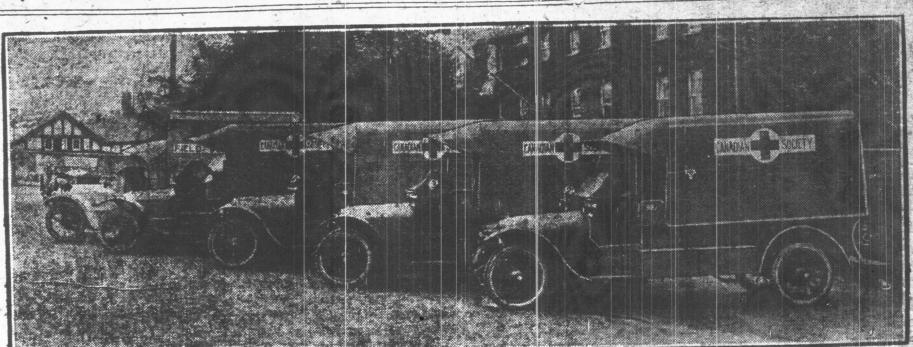
The invasion plan is reported to tail that German railway officials In well-informed circles it is said "I have plenty of masts, a whole have been appointed to take charge that the Kaiser is behind this stop- them to not make, a whole of the railway stations in the par- the war movement; indeed, that he meet me. thorities were not worried by her ticular district where a landing is has even expressed guarded approlonged submersion, because contemplated, and every one of proval of the scheme. In any case, Oguendo, for when the two fleets did they knew that the submarine had these new station masters knows however, it will be interesting to enough oxygen in her tanks to last exactly where to go. The invasion watch developments in connection beaten by the Dutch that of 67 ships only 18 reached Dunkirk in safety.

If we go still further back we find knows where the shoe pinches. As the great indispensable factors of naval success speed, a factor which can never be disregarded with imat any time in Germany-it has punity in the construction of ships. met with much support, especially to the effective force of Octavius.

among business men, house and The largest fleets in numbers were land owners, artisans, these chiefly at Salamis, 481 B. C., when the Peramong the building trade, and last, sians had 700 vessels of the class conbut not least, a certain section of sidered formidable in that day and the the social democrats, the so-called Greeks 380. These vessels were most-"rebels." The promoters' endeav- ly triremes, hoats with three benc for the rowers, and a mast that could it is concentrated upon obtaining be raised or lowered by means of signatures to a petition which it is stays. This mast carried square sails intended to present to the Kaiser, There was some chivalry in a naval having for its object the stopping fight in the good old days of Blake of the war at the earliest possible and Van Tromp, when sneaking sub-moment, as the financial losses sufwere unknown, and naval comm Admiration of the glorious vic- ders "courted war like a mistress." When the Spanish Admiral Oguen Great Britain. This event is to take place when the British fleet has been substantially reduced by pressed in no measured phrasing, in the pressed in the state of the state

> suggest to the Kaiser's advisers that "It is not only powder I need, but peace on reasonable terms would masts for my ships," replied Oguenbe exceedingly welcome to them. do. To which Van Tromp replied:

> > The result justified the caution of meet the Spaniards were so terribly



Fleet of Four Motor Ambulances and a Field Kitchen Presented to the Canadian Red Cross Association for Service in Europe by Major

