

perusal of such a line of type consisting of about six consecutive impressions, independent of each other. Each of these impressions is practically instantaneous, and reading might be accomplished much more rapidly were it not for the fact that the eyes require an appreciable time to make each jump-an interval, in fact, covering about one-fifth of a second.

What may be called the field of distinct vision at the ordinary reading distance is not much bigger than one's thumb-nail. Exceeding specking, it is about three-fourths of an inch across, and everything outside of that area, though we do not realise the fact, is indistinct. It is for this reason that the eyes, in order to take in a whole line of type on a printed page, are obliged to make a series of jumps, a trifle more than a second being occupied in the physical effort of hopping, ocularly speaking, from one end of the line to the other.

Now, it is just about as easy for the eyes, in making these jumps, to take in three words at a hop, if they are properly arranged, as to comprehend only one. Hence it is obvious that there is a great waste of muscular effort and of time as well.

The fact that in reading, the eyes jump in the manner described, has been ascertained by a very curious and ingenious means. A beam of light is thrown directly upon the eye of a person reading, and is reflected therefrom upon a continuously moving photographic plate. In this way a line is traced upon the photographic plate by the beam of light, and the peculiar hops, so to speak, are indicated by zigzags in the line. It is thus possible, when the plate has been developed, to study with the utmost exactness the movements of the eyes incidental to the perusal of a printed page.

A study of such photographic tracings shows that the eyes, when they turn back to pick up the next line at its beginning, have some difficulty in doing so—a difficulty which is indicated clearly on the photo-plate, or on the print made from it, by a trembling. The longer the line of print, the more the difficulty and the greater the trembling. For this reason it is easier to read a newspaper column than a page in a book; and the investigators quoted believe that the newspaper-column has come to be of its present width by accurate, though unconscious, adjustment to the requirements of the human eye in this regard.

Why the Japanese Girl is Pretty.

It is said of the dainty little Japanese woman that she is a past mistress of all the arts of beauty, and the culture of prettiness, health, and freshness is quite a rite with her.

One of her secrets of beauty, and one which endows her with that attractive air of exquisite neatness, is the marvelous care she bestows on her garments. She may wear a silk gown that is ages old, but it is so beautifully kept that it appears ever fresh and increased.

One rarely sees stout Japanese girls or matrons; they are very careful of their slender forms, and this is how they keep slim. They never eat rich foods and many confections. They are up at sunrise, and the daily hot bath is a religion for all women in the world, the Japanese are devotees of the tub. An hour is devoted every day to a very careful toilet by the humblest little woman in Japan, and for the act of an innocent "making-up" she has a perfect genius. The care she bestows on her hair is remarkable, and it is brushed and dressed with an infinite care, scented and rolled off her white, waxy forehead—a typical Japanese beauty—in softest, smoothest rolls, guileless of curls and kinks. The Japanese girl's hair always grows low on the forehead, and this is one of the reasons why it lends itself so charmingly to the quaintly becoming national coiffure. Her complexion is more of a rich olive than anything else, but her skin is very clear and soft, and the contrast afforded by the dusky hair, kept purposely dark by applications of scented oil, and the flashing teeth, bleached to snowy whiteness, makes the Japanese woman a beauty, a decided and piquant little beauty too.

St. Cyril by Crenulan—Windhill, half-brother to Spatheen, changed hands recently for the small sum of £9. He was purchased by a resident of the Great Barrier, and is to perform stud duties there.

The double, Iniskillen and Newtown, was last Friday supported to win the C.J.C. National double. The money was secured on behalf of the stable. The pair are to be shipped to Christchurch at an early date.

The caretaker of the Ellerslie race-course (C. Hill) and his staff are making splendid progress with the improvements to the race track, and if the weather keeps at all fair, a very few weeks should see the work completed.



TURF NOTES.

ANSWERS TO CORRESPONDENTS.

Norfolk Home. The annual subscription to Tattersall's Club for private members is £1 17. There is also an entrance fee of £1 17. The fee for bookmaking members is £100. A list of members and particulars as to membership can be obtained from the secretary at the club. Cannot call to mind any standard work on bookmaking. A book of betting rules can be obtained from Tattersall's Club.

B. Main. As near as we can trace Wairiki won 4069 and Cautep 42210. These figures are pretty accurate.

The annual meeting of the Auckland Racing Club will be held on Monday, August 7th.

C. Weal has had an addition to his string in the shape of a rising four-year-old horse by Calrossian—St. Edith.

Acceptances for the C.J.C. National Hurdles, Steeplechase, and Winter Cup close on the 28th inst.

Rambler is to stand the season in the Auckland district. W. Tozer is to have charge of him.

A. Mitchell is now located at Ellerslie with Te Papa and a two-year-old half-brother to Sonoma by Explosion.

It has been definitely decided that Haydn is to fulfil his C.J.C. National engagements, and he will be shipped South at an early date.

A. Goodwin, private trainer to Mr T. H. Lowry, has been on the sick list for the past few weeks, and was unable to take Mr Lowry's horses to Wellington.

The A.R.C. committee are having a lot of ornamental shrubs planted along the lawn fence and around the weighing enclosure at Ellerslie.

Frank Ross is schooling Whakakahi over the small fences, at Paeroa, and the son of Regal is started to display great aptitude for the jumping game.

The "Australasian," in reviewing the parade before the V.R.C. Grand National Steeplechase, gave the palm for looks to the New Zealander, Up-to-Date.

On Saturday at Ellerslie, Silicia, Manku, Frank Doid, and Straybird were schooled over hurdles, the first pair taking the small fence and the latter going on over the larger ones.

J. B. Williamson's team, consisting of Loch Fine, Venturian, Lorida, and the gelding by Sauter, were given a fair over the schooling hurdles, going in pairs. The quartette jumped well.

Mr W. J. Ralph, judge for the Takapuna Jockey Club, has announced himself as a candidate for one of the vacant seats on the A.R.C. Committee. Mr N. A. Nathan will also be a candidate.

While spurring on the course proper at Ellerslie last Saturday afternoon, the Crenulan Sparkling Water colt ran into one of the trees and came down. Fortunately neither the colt nor his rider was hurt.

Word from Melbourne states that the ex-New Zealander Kilmarnock, while exercising on the tracks at Camhill, fell and broke two of his legs, and had to be destroyed.

St. Cyril by Crenulan—Windhill, half-brother to Spatheen, changed hands recently for the small sum of £9. He was purchased by a resident of the Great Barrier, and is to perform stud duties there.

The double, Iniskillen and Newtown, was last Friday supported to win the C.J.C. National double. The money was secured on behalf of the stable. The pair are to be shipped to Christchurch at an early date.

The caretaker of the Ellerslie race-course (C. Hill) and his staff are making splendid progress with the improvements to the race track, and if the weather keeps at all fair, a very few weeks should see the work completed.

The Billy, Job Lots, by Daystar—Discount, is to be given a spell, and has been turned out at her owner's place. Prince Reg, belonging to the same owner, has been put into work, and has gone into W. Moberley's stable.

In his schooling work at Paeroa, Romeo has had the leading gelding, Franklin, as a companion, and the latter is reported to be a splendid fence, and all going well, will probably be seen out in some of the jumping events during the forthcoming season.

Iniskillen and Haydn were schooled over the steeplechase fences inside the course at Ellerslie on Saturday morning, both jumping well, Iniskillen especially so. At one fence, the sod wall, Iniskillen stood on for eighteen feet, and cleared it without laying a toe on it.

Word from Paeroa states that Romeo has got through a lot of schooling work there in good style. He has been ridden in his tasks by J. P. Reid, and provided he is granted a license, will have the mount on him in the Grand National. It is practically a certainty that Romeo will make the trip to Christchurch.

A large number of rising two year olds were spurted at Ellerslie on Saturday, amongst the number being the South—Princess Alice filly, Crenulan—Drudge filly, South—Lana filly, Mensechikoff—Cessy filly, Mensechikoff—Queen Cole filly, Crenulan—Sparkling Water colt, Crenulan—Sapphire colt, and the South—Caracua colt.

The following names have been claimed for the rising two year olds: Crenulan—Pikau colt, Mober—Hotchkiss—Elo filly, Mober—Mensechikoff—Miss Quill colt, Te Mase—Ted Godfrey—Prestissimo colt, Bengala—Salvatore—Ashore filly, Colleen filly, Crenulan—Sparkling Water colt, Wahanuihanui, Mober—Lustrous filly, Inskore.

The A.R.C. Committee have decided to have the whole of the race tracks from the half-mile post to nearly the old mile post levelled. In order to do this it will be necessary to shift the crossing from its present position to one about the end of the next fence. The course at the present time has a wave to be lowered from a foot to 18 inches.

The many friends of Mr A. Hughes, the well known local horseowner, will regret to learn that he has not been enjoying the best of health lately, and that, acting under the advice of his medical advisers, he intends entering the Cambridge Hospital for a few months. He has the best wishes of all for a speedy recovery.

The handicaps for each of the principal events at the C.J.C. National Meeting are started on a much lower scale than has ever been adopted by Mr Henrys. In 1902 Hurdle Race, in 1903, and last year two, the Steeplechase and Winter Cup are in about the same proportion. It will be interesting to see the view owners will take of the new departure of Mr Henrys.

According to figures compiled by "Pentagraph" of the "Weekly Press," which have been shown to "Sir Roderick," a writer in list of winning owners for the last season, the amount won by his horses last year up to the large sum of £11,450. Stephen was the most successful sizer, the prize of Mr J. B. Williamson being £2856. Mahatona was the most successful stake runner, his winnings amounting to the sum of £2577.

The following dates have been allotted to the various Auckland clubs by the Racing Conference: Arundel Spring, 1905, 20th and 23rd September; Autumn, March 31, April 4; Winter, June 16 and 20. Auckland Racing Club Spring, November 4, 9, 12; Summer, December 29, January and 2, and another day to be decided; Autumn, April 14, 16, and 17; Winter, June 2, 4, and 6; Takapuna Spring, November 25 and 26; Summer, January 27, 29, and February 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31; Papakura Racing Club, February 12.

Although there was nearly a record attendance at Chantilly on the occasion of the decision of the French Derby last summer, there was a slight decrease in the day's totalisator takings as compared with last year. The turnover was, in round figures, £28,185, against £26,846 in 1904. While the actual decrease in the amount invested over the Derby may be attributed to the fact that the bracketing of M. Michel Ephrussi's three horses (of which the winner Finasseur was one), practically reduced the field to half a dozen. The stable returned a 2 to 1 for a week, and even money for a place at the "Mutuels."

Says the Paris correspondent of the "Sporting Times":—It is 17 years since an English jockey rode the winner of the Grand Prix de Paris, the "English" in the sense of one riding habitually in England, not merely English by birth. In the "Sixties" and "Seventies" Fordham, Tom Cannon, and Archer were often in requisition.

Then, Woodburn rode Trenchrose in 1888. Then Tommy Lane had his wonderful run, riding five winners in six years. Dodge, Gordon, W. Price, Kelly, and Kelly, Kelly, and Stern come next. Now that the French stables retain the services of first-class jockeys there is no need to send to England for a special jockey on special occasions.

Says a writer in the London "Sportsman": The last "special" to England had just started moving as one of our best known metropolitan handicappers, with a bag in one hand and a big market-book and a bundle in the other, some running anxiously along the mile-and-a-quarter (it surely must be) of platform at Victoria. Seeing that the official was "all out" and sorely wanted, a sympathetic person in a cutter coat, would have flung open a friendly first class door, but that a certain small owner with a grievance stopped him. "No, no," he growled, gripping the door, "let the lighter realise what it means to be stopped by overwork!"

One of the most unique bets recorded in the one made by Fred Carter and Chris Doyle on the result of the Kentucky Derby. Mr Doyle spent the winter in New Orleans, and was of the opinion that Ram's Horn had all other three-year-olds safe. Mr Carter had seen Aggie run at Memphis, and stood pat on the statement that the brown colt was the first great three-year-old to be bred in the States. There was no chance for them to agree in the ante-post arguments, so they made a bet on Ram's Horn and Aggie, the loser to buy tickets for the winner for the balance of the racing season at the following odds. Mr Doyle responded that whenever Mr Carter intimates that it is a long time between drinks, but he is wishing that his friend would take the Keeley cure.

An exchange says: It is the fact that after the race for the Derby an English owner made to M. Blanc an offer of £15,000 for Jardy, and, furthermore, offered as a condition of the purchase that the horse should at once be scratched for his French engagements, so that the owner might oppose other horses the property of M. Blanc that are entered for these races. The buyer would have had the St. Leger and two or three of the ten thousand pound races before him, but his main object was to secure the blood, precisely as M. Blanc had when he bought Flying Fox, and at once put him to the stud. M. Blanc declined to entertain the offer, which is a bigger one than ever could be made for a horse whose illness may or may not leave him a roarer.

It takes a long purse to win the Derby. Frequently an abnormal sum is given for a horse with a chance of winning the Blue Ribbon of the Turf, and I can well remember two instances during the last five years (save a "fetter" gossip where sums of £10,500 and £21,500 were given for Derby winners) where the owner and neither of them ever ran. Supposing if purchased and not home bred that the purchase money of the Blue Ribbon candidate has amounted to the extremely modest sum of £2500, the other items to be considered are: Training fees, £200; entrance fee £50; racing colours, saddle, horse clothing, and travelling expenses, say £60; jockey's fee, £5 5; present to jockey (at £500) (that is what the King gave his jockeys); sundries, etc., etc., £3465 5. This is putting it moderately.

On the second day of the Wellington Winter Meeting (Camille) being 114, started second day, when the Blue Ribbon Handicap ran over a mile. There were 16 runners. Six of those that competed in the race are engaged with him in the C.J.C. Winter Cup, which is run over the same distance on 16th better terms, and the following horses who ran unplaced—De la Rey on 9th, Sarabanyx on 7th, Lyrd on 7th, Nardana on 13th, and 8th, Lyrd on 13th. Of 10 others which were also entered for the same race but did not compete, he meets from 16th down to 2th better, and not in a single instance worse terms. Golden Vein in the same series, but the horse did not run at Wellington, is set to meet Camille and 2th worse terms, so evidently Mr Henrys has assumed that Mr Chadwick's estimate of Sir Fox, Camille's pair at Wellington was much too high.

The necessity of having thoroughbred months examined by a horse dealer frequently has never been shown than in a recent case of Raven's Pride. The mare had been running away and entering about in the most erratic manner, and Major Healy, unable to explain her conduct, examined her and discovered the horse dentist to examine her mouth. Mr. Enoch at once discovered a fracture of the jaw of long standing, and succeeded in extracting three pieces of bone, thoroughly detaching the jaw from the long. There is no doubt that many horses suffer in a similar way from rough usage with the bit some time during their life, and constantly do we see horses, in horsey parlance, "run away" and even more often see, cannot be too strongly impressed upon all stablemen.

At Epsom, an eminent trainer told me that he had seen a "welscher" running a handicap, and that his state of mind was not exactly felicitous. "I am afraid to back my horse," he averred, "and I dare not let

TRY PETER F. HEERING'S CHERRY BRANDY WITH SODA. SWIFT & COMPANY, 32 O'Connell St., SYDNEY, Agents.