AMERICAN JOCKEY WITH THE FRENCH ARMY



J. Todhunter Sloan, Former American Jockey.

the French army, but was rejected be- as a domesticated pony in the hands cause of his slight build. Besides be- of a child. ing a famous jockey Sloan also is an In matters aeronautical Tod Sloan expert chauffeur, so the French gov- would take as many chances as the ernment officials gave him a place in most fearless of the European birdthe Red Cross service as a motor am- men. It was in the balloon business

erally useful to the allies in more ways | Orphaned at a tender age, Tod ran

chance, no matter what the hazard in came as expert a performer in makconnection with the performance. Operating a motor is only child's was working for.

French courses.

For courier duty there is no one in the combined armies of the allies trial monoplane and biplane performwho might distinguish himself with ances in France the last few years. more utter abandon than the versatile ex-jockey, J. Todhunter Sloan.

mount in convincing style. During accomplished Sloan. his brilliant career on the turf, in Therefore, taking the famous jockey America and abroad, it has been said at all of his working angles, he is a that there was never a thoroughbred valuable adjunct to the French war which looked through a bridle able machine.

Tod Sloan of Kokomo, Ind., has en- | to resist Sloan when he was called listed in the allied armies as a motor upon to take the mount. Horses with ambulance driver, according to a dis- ungovernable tempers, absolutely inpatch from Paris. Sloan, who was at capable of performing sanely in the one time known as one of the best hands of other riders, were as tractajockeys living, applied for a place in ble and docile in Tod's delicate hands

that he got his first real start in busi-Sloan ought to make himself gen- ness in southern Illinois 25 years ago.

than one in the present catastrophe away from his foster parents in Kankakee and engaged with a traveling There isn't anything in modern war- balloon man, and at many country fare in which Tod wouldn't take a fairs in Illinois and Missouri Tod being parachute drops as the man be

play for him; he has been a speed He was as daring in those parademon in many of the automobile chute falls as he was in any other marathons held on the different line of endeavor essayed by him. His early experience in ballooning served to make him absolutely fearless in

Working in a Zeppelin or in any of the several cir machines used in the No matter now fractious the beast, war nowadays in the land of the com-Tod would be able to master his batants would have no terrors for the

PASSING OF FAMOUS

TRACK FOR RUNNERS

The famous Sheepshead Bay

race course has finally been

sold. It is said to have brought

\$2,500,000. The few horses

stabled there, owned by August

Belmont, have been ordered to

other quarters. The purchasers

purpose to erect a mammoth

motordrome for motor car rac-

ing, with track two miles

around. There has been no

thoroughbred racing at Sheeps-

head Bay since 1910, when the

personal liability law caused

the shutting down of the plant.

Sheepshead Bay race course

was one of the most beautiful

in the country and many horse-

men will regret the definite an-

NAME CAUSES MUCH TROUBLE

Yankee Boxer in London is Detained

by English Officials, Accused

of Being German Spy.

The kaiser is now in pretty bad

with Johnny Schiff, the tow-headed

featherweight, who is boxing in Lon-

By reason of his German name,

Johnny was accused of being a spy

and was detained by the English of-

ficials. Whereupon Johnny came back

at the British foreign office by proving

that his real name is not Johnny Schiff

at all, but Porter Newman. He was

released. Henceforth, in England at

Porter Newman.

least, he boxes under the name of

Johnny got the name of Schiff in a

peculiar way. While still a little boy, he

went out into the world seeking ad-

venture and achievement. After going

to sea as a cabin boy, he wound up in

Schiff, and on his cap was embroidered

the firm name. The customers did not

him they hollered, "Hey, there, Schiff."

"Stub" Barron Is Captain. "Stub" Barron, star tackle of Iowa

tain of the Hawkeyes for 1915. Bar-

ers on the team and was chosen as all-

man team during the first year at the

Finland Team at Frisco.

In the event that the team is able

position, Finland will send over half

a dozen weight men whose likelihood

of winning their events is bright in-

Accepts Many Chances.

of the Braves accepted 980 chances.

In 1892 Bob Allen of the Philadel-

The name thereafter stuck.

nouncement of its passing away.

Ciever Minnesota Pugilist, Well Known as Welterweight, Is After Honors in Heavier Class.

weight championship. The clover St. Mike Gibbons is out after the middle-Paul boxer has long been recognized as the best of the welters and now Mike is anxious to annex honors in the heavier class. A year or so ago Gibbons tried out for the middleweight title, but his showing against Eddle



Mike Gibbons

McGoorty was not anything startling. He gave up the idea of becoming middleweight champion for the time being. Now he is in the field once more for the title and stands ready to fight any of the stars in this division.

This Umpire Safe. Baseball is a fight the world over. At the San Quentin State prison, out son is one of the most consistent playin California, recently the "league season" was opened with Warden conference tackle by one expert. The Johnson throwing the first ball. A big black boy, playing second base for tionville and was captain of the fresh-"Captain Randolph's team." became incensed over what he considered the university. weak work of the umpire. "Ah'll knock yo' block off when Ah get outta here," said the negro. "You'll have to go some," grimly answered the unspire | to secure representation at the ath-"I beat you through the gate by three letic games at the Panama-Pacific exyears and a half."

Polo on Pacific Coast. Expert Eastern polo players as well deed. Weight men from Finland find as teams from Hawaii and South life attractive just now in California. America are expected to take part in the championship events to be played on the Pacific coast, starting January 1, 1915. The dates will form a cir- phia Nationals accepted 955 chances cuit in turn of the events at River- at shortstop in a single season. For side, Pasadena, Coronado and San 22 years that mark has stood un-Mateo, to be followed by the opening equaled until the present season, when the Panama-Pacific grounds on Rabbit Maranville of Boston succeeded March 14, for continuous games on in toppling it over. The star infielder

BASEBALL

Garry Herrmann, president of the Cincinnati club, has signed Ivan Olson, infielder, who played last year on the Cleveland American league team. Olson was secured by the waiver route.

The Indianapolis club stockholders have re-elected President J. Edward Krause and all of the other officers for another year. Bill Phillips will manage the team again next year.

Jimmy Sharp, who managed the Wilmington team in the Tri-State league during the latter part of the season, is to be given a tryout by Hughey Jennings at Detroit.

Catcher Paddy Livingstone of the Indianapolis A. A. team will surely be found with the Indianapolis Federal near future. . . .

They can't stay away, George Stone, former Brown slugger, is willing to give up his job as president of a bank at Coleridge, Neb., to become

An Illinois judge sent a man to jail for one day for telling a lie; on that basis calculate how long a baseball magnate would have to serve.

Rumors of Internal troubles continue to come from Philadelphia concerning Connie Mack's action in cleaning out his star pitchers. Mike Kelly, well known in baseball

circles everywhere, may take over Charley Somers' American association club in Cleveland.

Carlisle Smith, who was out of the world's series, will be back as good as ever in the spring, say the bone . . .

If next season is as bad as this year, the major leagues will have to send several food ships to the minors. Both Boston teams will train at the

same place; are they conspiring to corner the pennant market? Ralph Stroud, formerly of Detroit,

will be McGraw's addition to the flingers' squad next season. James Frank, head of the Michigan

league, says the minors are tired of being baseball goats.

PUGILISM

It is libelous to say pugllists cannot earn a living if forced to work. Braddock, the English heavy, is cooking spuds for the British troops.

In fighting the Germans Georges Carpentier is accused of violating The Hague military rules by using the kidney punch. . . .

California cut out prize fighting by Frisco.

The mayor of Toledo has appointed a commission of five to handle the boxing game in that city.

Pittsburgh will have a commission to govern boxing.

..... HORSE RACING

************ William Russell Allen can put it over on any of the breeders when it comes to statistics. Horses bred at the Allen farm took part in 577 races this year and won \$47,705.

Sis Bingen is one of the likely yearlings. By Bingen, she is out of Sis Directum, and recently she trotted a quarter in 0:311/2, a 2:06 clip, at Lex-

which Murphy will point for the Chamber of Commerce and other stakes, has been given a record of 2:10.

The change in administration in that it was a very dangerous power. New York state is apt to give back to Harry S. Nealley his old job of bossing the races at Syracuse.

FOOTBALL

Folwell, coach of Wash and Jeff, who was said to have been offered a position as successor to Gordon Brooke at Penn, states emphatically that he has received no such offer San Francisco cafe, selling cigars. and that he will prefer to retain his flis employers were a firm named present position.

The only ones who do not get exknow his name, so when they wanted cited over the discussion of the relative merits of eastern and western football players are the western boys on eastern teams.

By the way, what has become of the varsity eleven, has been announced as old college spirit that scorned to ask the choice of his teammates as capor take odds in wagering on its football team?

. . . Brickley ought not complain about losing his appendix; it probably would new Iowa leader hails from Correchave been a leg had he played.

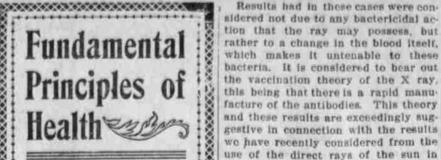
MISCELLANEOUS ------

The performance of Parker, the Frisco sprinter, in equaling the 220yard record, received strong indorse-

Six-day bike racing, tabooed in Elkhart, Ind.; Wayeross, Ga., and Kenne- upon physical life that the dying per- being that any incident which serves bunk, Maine, is still regarded as a sport on the Isle of Manhattan.

It takes something more than war, cholera and the foot-and-mouth disease to squeich wrestlers and six-day bike riders.

Boston has the fastest cinder path in the world. It merely requires a lew ten-second men to prove it.



By ALBERT S. GRAY, M. D.

(Copyright, 1914, by A. S. Gray) CANCER AND THE RADIANT RAYS

It is exceedingly difficult for most of us to grasp offhand a clear understandteam if a truce is not declared in the ing of anything we cannot see with our own eyes, hold in our hands, touch, taste, smell or hear; but with a very little effort we can achieve the seemingly impossible and secure an understanding of phenomena beyond the reach of our personal senses. And this is well worth while because a comprehension of natural forces enables us to live sane, wholesome and therefore happy fives.

An emanation is anything flowing or radiating out from something. For example, we speak of light emanating or radiating from the sun. In the evolution of our modern views of the constitution of matter the study of the radiations has furnished some of the most significant clews in connection with both the undulatory or wave radiations of which light is the characteristic example, and also of the corpuscular radiations, which are proved beyond all question to consist of particles of matter or electricity. These particles are proved to be traveling at speeds varying from one millimeter a second to approximately the velocity of light, which is as we all know, 186, 000 miles a second.

When ordinary bodies are heated to about 500 degrees Centigrade (932 degrees Fahrenheit) they begin to emit visible light, no matter what the substance may be, and the radiations appear to be due to this definite temperature and are referred to as temperature radiations. But in certain cases light is found to be emitted at a temperature far below that at which temperature radiations set in, and these phenomena we know as luminescence, phosphorescence and the like-light without heat, we call it. But one and all are due to the interchange of some form of energy and most of it is beyoud the border line of our ability to perceive without external assistance to our limited senses.

Light wave radiations are propagated exactly like waves in water or sound in air, without the transfer of any matter along the path of propagation, but corpuscular radiations consist of streams of fine particles projected at various degrees of high velocities and may, perhaps, best be illustrated by imaging a stream of fine gravel. Probably all are familiar with the sand blast and how it will cut popular vote. Three world's cham- away the hardest surface and not inpions once lived in the same block in jure the softest fabric. There is a close relationship between the two types of radiation, just as there is between the air and the sand, and the principals involved are undoubtedly those which will be found to account for the many marvelous effects of both the direct and indirect sunlight on human diseases and on life in gen-

eral. We have noted the effects of direct sunlight in a general way and now come to the matter of indirect sunlight, for we should not for a minute forget that all forms of energy on this earth are but converted sun energy. But before considering the subject of radiations in general perhaps it would be best to survey very briefly the fleft of their application to our needs in order to get the connection and show that the matter is worth considering.

Shortly after the X-rays were discovered it was found that they exerted a destructive influence on living tissues, which became more marked Peter Farren, the three-year-old the longer animal structures were exposed to them, and immediately it was suggested that here we had the long hoped for remedy for the destruction of cancer. But soon it was learned

> In Germany a few careful, conscientious workers have very persistently developed the technique and apparatus, as all human experience proves must be done in every department, and have slowly evolved a method that is showing most encouraging results in cancerous conditions and in some

forms of sepsis. Kroenig's clinic at Freiburgis is equipped with modern apparatus and with some 1,700 milligrams of mesothorium and radium. Mesothorium is the ray alone is employed.

LAST HOURS FREE FROM PAIN

Testimony That Tends to Prove Scientific Investigators Right in Their Contentions.

recently given much space to a discus- ness, and upon being asked how he sion of the old, but very absorbing, felt, declared to the amazement of all question as to whether the process of that he had passed a most comfortable dying is accompanied by conscious night. physical pain.

The conclusion arrived at is the tor acknowledges that it is really not ment for official credit at the A. A. U. same to which the scientific investi-needed to strengthen the scientific asgator has always adhered, viz., that a surance that dying is practically painmerciful Nature so benumbs the less, although the problem is of such senses as the body is losing its hold engressing interest to every human son is entirely unconscious of pain.

Among the many incidents which licity. apparently shed light upon the matter one is mentioned which occurred only the other days. It is the case of a man in his eightieth year who was sud- pay for what she breaks?" Suburbs ienly prostrated by a very severe in the amazement !- "Make her pay? duenza.

physicians. He lay gasping for breath break!"

facture of the antibodies. This theory and these results are exceedingly suggestive in connection with the results we have recently considered from the use of the direct rays of the sun in the matter of surgical tuberculosis cases and of heliotheraphy in general. THE X-RAY. The discovery of the X-ray burst upon the world without the slightest warning and completely astounded even the most astute and learned scientists of the time. But we can now see that it was the perfectly logi-

cal sequence of a long series of disous degrees of vacuum, whereby the there. spark became a more or less steady

Crookes became the chief investigator changes because of the damming of the chachalada, or "wild turkey," proalong these lines, and by means of Gatun lake and the consequent ex- duced an impression that must ever miniature wind-wheels and turbines in tensive high water. From a basin be associated with jungle memories. his improved tubes, now known as with no lake worthy of the name. At night mysterious noises were heard Crookes tubes, demonstrated that the with standing water confined largely from unknown sources and one weird negative pole and known as the cath | height of the rainy season, the Gatun | jecture to run rife, kinetic energy. "Radiant matter" was huge dam at the locks into a lake of the term used by Crookes to describe | 164 square miles in extent and a depth | the highly rarefied gas, or "ultra gase- of 70 to 80 feet in many places. ous matter," which he found to produce certain peculiar mechanical and potential electricity was passed through it.

ously argued against it and endeavored demonstrations amounted to nothing. But a few choice spirits pressed on.

Lenard demonstrated that the cathode stream could be detected outside the tube as well as within it and that it could be deflected or attracted by a magnet. A professor of physics in hyacinth, and the probable inhabita- hunter found it necessary to stand the University of Wurzburg, in Bavaria, W. K. Roentgen, noted in 1895 that substances such as potassium platinocyanide became luminous when brought near to a tube exhausted to a vacuum so that the glass was brightly phosphorescent. About this time also he noticed that a large number of photographic plates placed within range of a Crookes tube with which he was experimenting were fogged, although they were simply protected from light by the usual light-tight plate holders, and he began to suspect a connection between the two phenomena. A few more experiments and the idea crystallized-he viewed his own bones through the flesh of his hand and knowledge of the new ray was born November 8, 1895.

Because the ray which produced porescence showed him the bones in the living human body, affected photographic plates while inclosed in lighttight box's and could not be reflected, refracted nor deflected by a magnet, Roentgen knew that he had discovered a new and unbroken ray and he therefore called it the X-ray.

It may be asked how it is possible to distinguish between such radiations of different wave lengths. This is achieved through demonstrating by means of photography, or a fluorescent screen, or the electroscope, the "penetrating power" or "hardness" of the short wave emanations after traversing various thicknesses of a medium which absorbs X-rays, such as, for example, aluminum. The shorter the wave length the "harder" the ray, and the "barder" the ray the greater its penetrating power. Soddy has dem: onstrated the penetration of one-half inch steel. This discovery of the complex character of the X-ray tube emanations and those from radiant substances in general created the need of a system for designating the different rays, and they have therefore been named alpha, beta, gamma from the Greek alphabet corresponding with

our a, b and c. The original X-ray tube shot the rays from the cathode directly against the glass at the opposite end; subsequently a metal target known as the anti-cathode was introduced to receive the rays, but the bombardment from the stream of corpuscles or electrons was so intense that the target was soon raised to a white heat, and it would become necessary to stop the action. For these and other reasons which we will discover later radium with its gamma rays seemed to offer certain advantages over the X-ray tube, but recently Dessauer of Franksome 300 times as concentrated as ra- fort-on-Main has perfected a tube by dium, but gives similar results in which he can produce rays practically shorter time. At the clinic, where for identical with the gamma ray from cancer only a slight operation is re- radium or mesotherium, the ratio of quired, the operation is performed and hardness being as 1 to 1.2. These then the ray is used; where a severe results were obtained by employing a operation ordinarily would be required special and highly efficient water cool ing device in the anti-cathode.

and apparently in the most intense agony. The long hours of the night were terrible to his family, who sat

to end at any moment. As he was a man of strong constitu tion, he became better in the morning, An English scientific publication has finally returning to entire conscious-

by his bedside expecting the struggle

in citing this case, the English edi to illuminate it is well worth pub-

Grateful Suburbanites.

Towne-"Do you make your cook should say not! Why, every month The malady progressed until all besides paying her salary, we reward hope of his life was abandoned by the hor liberally for what she didn't



has adhered to the policy he the actual facts. maintained during the engi- Other interesting mammals encounneering work in the region, tered here were the pretty squirrelcoveries, following numberless experi- that the isthmus shall be a game like marmoset, the short-haired antments by many individuals with a preserve, and the zone is proving a eater and several species of opossum, scientific toy known as the Geissler rich field for naturalists. Several while we were continually wondering tube. Geissler had demonstrated the months ago H. E. Anthony accompa- at the variety of the bird life and the

current of electricity flowing from the to marshy areas except during the laughing call in particular caused conode stream could be transformed into region has been transformed by the

Animals Seek New Homes. This flooding of ground formerly luminous effects when a charge of high high and dry, it was anticipated. for bats. would drive many animals to seek new homes or might even threaten As with all new thoughts, the idea some of the more restricted, lowlandwas fiercely attacked by many of the living animals with extermination. Inscientific men of the time, who strenu- cidentally many of the islands and matter how much its beauty was to be ridge crests left above water might admired from the boat, its impenetrato prove that both the theory and the have a concentrated fauna driven bility was no less to be deplored. It there from the adjacent flooded localities. Other phases of the question trail without recourse to the machete, dealing with the newly created lake, the long brush knife of Latin America. were the wiping out of the lowland and many were the varieties of briers forests by submergence, the rise of and thorns to be avoided. Once into new aquatic flora such as the water the thick growth of the jungle, the

OLONEL GOETHALS, as civil large animal, a lion for example, that governor of the Canal Zone, I found it hard to reconcile myself to

peculiar behavior of electric dis nied an expedition to the zone, and in diversity of the bird songs and callcharges through different gases con- the American Museum Journal he notes. The noisy parrots that shouted fined in a sealed tube and under vari- writes interestingly of what he found in the morning until the jungle rang with their tumult, the grotesque tou-It was expected, says Mr. Anthony, cans which at times vied with the that faunal conditions in the Canal parrots, the calling of the parrakeets Following Geissler, Sir William Zone would be undergoing abrupt and the peculiar choruslike calls of

> Besides the work done on the Rio Trinidad, several long trips by launch were made up the Rio Chagres, one as far up the river as the launch could ascend and two others up the Rio Chilibrillo to some limestone caves

Jungle Almost Impenetrable. Whenever one left the waters of Gatun lake the dense, unaltered jungle was at once encountered and no was useless to attempt to leave the



NEWLY FLOODED FORESTS ON THE RIO TRINIDAD

tion of the lake by water birds. Such | minutes in one spot in order to look were some of the items in the purpose into all the arboreal nooks and cranof the expedition and we were nies, so many were the possibilities, so equipped to take advantage of these many the great orchid-covered limbs was conditions if the foregoing as and wide branching trees, and so loath Autoptions traved correct.

a launch and small boats for side us leaving Gatun with the houseboat

"Black Howler" Monkeys. It was at this spot that we made Panamanian monkeys, the "black distances. They howl oftenest just nuisances. before or during a rain storm and the

to move the denizens of the jungle.

As Gatun lake was the center of Mosquitoes, the former bane of earinvestigation, it was planned to work ly canal days, were found but sparfrom a houseboat as a base camp with ingly. Even outside the district of government patrol we were bothered trips. Late afternoon of March 6 saw but little by them, although we were told that later, during the rainy seaand by three o'clock the next morning son, they were much worse. A few we were tied up at the head of a wa- spots were encountered where mosterway or trocha that branched off quitoes were bothersome, thus arguing from the Rio Trinidad. This was our a local distribution. The ticks and red main camp and we hoped to be able bugs however made up in diligence to work the undisturbed jungle from for any slights we might feel we had suffered from not being met by mosquitoes. The jungle everywhere seemed to harbor these pests and they the acquaintance of the largest of the did all they could to make life miserable for us. Ants also were found in howlers." Frequently their queer abundance and it was fortunally inbooming, roaring, howl echoed through | deed that our camp was a floating one the jungle, a call that carries for long and thus cut off from inroads of these

Concentration of animal life had natives thus look upon them as weath- taken place at the rising of Gatun jake. er prophets. Upon one occasion I and most of the islands formed had stood almost under some trees through | many inhabitants at first. The Gatun which a troop was passing, while the Hunt club however soon reduced the first big preliminary drops of a sud- population of these islands by hunting den shower pattered upon the leaves them with hounds and as the quarry about me. The volume of sound that in most instances could not leave the issued from the black shaggy throats island the result was a clean sweep of was so great and so suggestive of a all the larger species.

Carrier Pigeon in Warfare.

sade. Indeed, history tells us that into your coffee. Christian commanders employed falcons to intercept pigeons and substituted misleading messages.

British Crown Made for Victoria. king was originally made for Queen his opportunity for achieving char-Victoria, at her coronation, in 1838, acter and doing good. But there is The principal jewels were taken from nothing else that is so determinative older crowns. The most noted stone of a man's character, nothing else is the great ruby which was given to that so furnishes hands for his benethe Black Prince by Peter the Cruel ficence and feet to run his errands of after the battle of Navarette, in 1367. good-will.-John White Chadwick. It also was worn by Henry V in the crown encircling his helmet at the

battle of Agincourt in 1415.

It is as plain as the nose on your about that?" "He ought to know that face. All the germs and microbes humans are put on earth to fulfill misfasten themselves on the fly's feet. He sions, not to be happy."

| brings them into the house and wipes Germany, France and Belgium have them off his feet. The fly that you been breeding carrier pigeons for see walking over the food you are years. Their value is well known to about to eat is covered with filth. all these nations, yet on the other Watch him as he stands on the lump hand it is no new thing. Even their of sugar wiping his feet. He is wiping use in war is not new. The Saracens off the disease germs, rubbing them used them at the time of the first Cru- on the sugar you are about to put

Developer of Character.

We are too apt to underrate the moral quality of a man's regular vocation, his daily task, his business, to The present crown of the English look somewhere apart from this for

Back Number.

"I wouldn't dream of marrying him. Why, he said he would do everything to make me happy." "What is wrong