This letter is but one out of a large number equally interesting and instructive, . ut from the private natir publication to be proper.
g, The symptoms arising from soltary though they are here mentioned.
The hospital, the lunatic asylum, and the gract
ing this habit, if their records were truly written. The immediate effects of this vice are, greatoms, many of which are never susThis is followed, after a time, by ond som to fail, and pected to arise from this cause. the mind cannot be directed to one thing for any leng on complete fatuity retinually; sometimes it even becomes unsettled a sults. The senses are very apt to fail, particure ind even blindin various ways, from mere weakness to every degree the hen will be subject to a disness. The hearing will often become affected, and the head wil be subividual benesssing fullness, with dizziness, noises, and soreness all over. The ind dislikes tressing excessively nervous, full of apprehension, irritable, and iretched. He dislikes society, from mere incapability of exertion, becomes at last melancholy, or mad, and society, fronates his existence by suicide. The different organs become more or les often terminates erform their functions imperfectly : this is particularly the case with deranged, and perform their kidneys, and bladder. In males, the genital organs the digestive apparatus, the khrink away, the gratification becomes less, and finally themselves begin to fail; they shonk follow.
complete impotence and aversion follow.
All these symptoms are, it is true, seldom will begin to experience them very soon, they characterize every case. Some persons is but rare, however, that any one who while others will will
practices abuse witate to say that a very large portion of the human race are guilty of
I do not hesitate to say that a very large porthat a large portion of the evils and this excess, probably the great licentions suffering which afflict society are prose nearly all the disease, both of body and ness, in one form or older, in mind, which exists !
Solitary vice, however, is much more prevalent than any other form of excess, in ness, and much worse in its effects. Dreadful as are the consequences of excess, the natural way, they are but trivial compared with those which fhllow
vice; nor do I think they can, under any circumstais, and that it is injurious, but it
Most persons are aware that this practice prevails, and wat of mactice and study, is only those who have long been familiar with it, as a subjes The truth, in fact, can that can be aware of its great extent and fearful a arcely be believed by those not familiar with it. My own opportun with this terrible ararchion information have been very great, so as to make me acquainted widur thio of the ing informary particular, and I do not hesitate to say that it is the master evi mind, evil present day! I and premature decay, than all other causes put toycther! Hert more suffering and on the contrary, I feel convinced that my romer is inder than over the truth.
my statement is under rather than over the truth.
This vice is almost universal, the exceptions to it being very rare, particularly is
the rising generation. I believe it may be safely asserted that ninety-nine out of every hundred are addicted to it! And such are the circumstances in which young people are now placed, that, instead of its decreasing, it is every day becoming more confirmed and extended.
I have reason to suppose that it is as general in the one sex as the other. If there be any difference, it is possible that females practice it most; but simply because they less frequently have natural indulgence in their power.
It is often commenced in extreme youth-nay, even in childhood. I have known dieted to it. In most of these rietims were fast hurrying to an cases no such thing was suspeeted, and the poor could scarcely believe the to an untimely grave. Even when told, their guardians was true. They tunately, They were then extremely anxious to bave the evil removed, which, foraver but was in is not merely an error of youth, howand his growing habit, to which the individual is a victim il his days. Thave known middle-aged, and even old persons, who had never been With emancipate themselves from it.
With regard to the commencement of this practice, some persons have supposed hat it must always be learned from another, or at least that some intimation must be had of its nature before it is begun. This, however, I know is not always neces sary. From various causes, most of which we have stated in a former part of this rork, the genital organs become precociously developed, and highly sensitive. This produces slight irritation and uneasiness, to relieve which the hand is directed to them, the friction of which produces a new and pleasant sensation before urected to When once this has been experienced, the desire to create it again becores ime. ble, and with each new indulgence the habit strengthens and becomes more rmed. In most cases the individual is completely ignorant of the more con eew indulgence, and knows nothing of its probable consequences This of the if given in time, would often destroy the habit, but it is seldom given till too late to e of service; indeed, in most cases, the vietim has to find it out by dear-bought experience.
Nevertheless, this practice is most generally aequired from others, and for thi reason prevails in nearly all institutions where young persons are congregated; no can this be prevented under present arrangements. Many conductors of these estabey nature of the pre to prevent or suppress it, though often without success. From the the offender is In my pulicpunder constant survelllance!
lan it withic lectures I have always made this a special topic, speaking the truth has mole grs to me confaant of hundreds, who would never have disclosed their failso to any one else, and has enabled me to gather more facts bearing on the subject min, pernaps, ever came in the way of any one individual before. It is neither usenor just, however, to expose the weaknesses of human nature, more than is neces the their correotion. I shall, therefore, only make use of the information I have When acquired in a general way, and for that purpose.
When in New York City, a few years ago, I was accosted, after my lecture on this subject, by an old gentleman, who desired to speak with me in private. When
we were-alone, he said to me: "Doctor, you are the first person I ever heard speals plainly on this evil practice, and as I am, unfortunately, aware, by sad experience, plainly on this evil practice, ans i felt much interested in your discourse, and resolved, if yeu thought fit, to communicate the details of a case with which I am but too if you thought fit, to communicate the dideter, and he gave me the following parfamilar.
ulars
He had a son, a fine, healthy, lively child, about eleven years old, whom he sent a celebrated academy for young gentlemen, in the suburbs of a neighboring city. For the first six months he continued to receive the most flattering accounts of his on's progress, and was highly pleased with him when he returned home at the vacation. In a short time after he was surprised and grieved to hear that his health was failing, and that he was much more backward than formerly. Medical advice was sought immediately, and the assurance was given that there was nothing serions the matter, and that he would probably rally in a short time. The chid kop this manner for twelve months longer, gradually becoming worse, untir at distressing. brought home. The father described his condition at this time as most distreessing. He was thin as a skeleton, weak in body and mind, and completely sunk in a deep despondency, from which nothing seemed permanently to rouse him. At last he took to his bed, and died before he was thirteen. One night, however, while he was sick, the father was sitting up with him, and, being weary, leaned back in his chair, with his eyes closed, as if asleep. While in this state, some motion of his son partially roused him, and through his half-open eyes, he saw him in a situation which left no doubt that he was practicing masturbation. The feelings of the father can better be conceived than deseribed. Being a man of information, he partly knew the consequences of this vice, and immediately the idea rushed upon him that this was the cause of his son's sickness, and he at once resolved to discover if his suspiwions were true, In the morning after, he began to talk with his child about his cenol-fellows, asking him as to their practices in play, etc.; and at last fixing his ses him if any ever practiced this habit before him ? The chila ey burst into tears, and laid his head in the sice ever since the went to led him school, having been taught it bere in four times in a day. He also asse bing considered a meritorious thing, and one the sehool but what did the same, it being considered a meritorious awa, , himself, which every boy should aim at. The poor fellow had become partly aware, himsell, that it was causing his misery, and wished he had not done it, fut if a thunderso much a part of his nature, he could not refrai. . bolt had broken upon him. Here was his only child stricken before his eyes, and nobody suspecting the cause till it was too late. Said he to me-"I hope my sul experience may enlighten some one else in time."

A short time after, while lecturing at the city where his son was sent, I was in troduced to the principal of the very school, whom he had already mentioned to me by name. Finding him a man of intelligence, I commenced talking on the subjec of solitary vice, and observed that he appeared much interested. As confidence be came established, he at last confessed that the prevalenee of this practice among his pupils was a constant annoyance to him.
"I know," said he, "that my establishment is only like others, for I do not think there is one in which it does not prevail m.rere or less ; but as I know how baneful it
is, I am deeply concerned about it. I find it impossible to prevent it altogether, do but still I know the evil exists ; and a peon them, comes tainted with it. I am firmly young people are brought together but ind there is no intation where have no faith in any moans practice may be found, and I
Numerous indeed are the melancholy int such as you propose."
Many a youth, robust with helth ard ind the be mith. is sent by his parents to some time debilitated in mind and ene his education, and returns after They mourn over his ruin, body, and without either hope, energy, or capobility could not, in of what caused it; and even if told of this kind in many cases, understand how it had been brought about I oftainments a now. It is that of a young man who had made case the land. Hi a gave promise of being one day among the first ond ohest he land. His friends looked upon him with pride and confidene and greatest in he prospect of his future exaltation. But alas 1 a blight ame, and gloried in he began to fade, his mind became imbecile, and at last he came over their hopes ; mystandard, without even the desire to rise. He wes pointed ordiwho also told me that it was the practice of solitry ris pointed out to me by a relative, nade him the melancholy wreck he was. On another occesiony wreek he was.
he had a son who had long been man spoke to me after my lecture, and told me that he had never been able to ascertain. "But," condition, whose cause of complaint effects of this practice, I think that, "But," said he, "from what you say of the immediately." The next week I saw the medical man, who had his son in again, and he told me that he had asked and he immediately replied, "Yes ! nowge, whether he thought such was the case, that practice, and nothing, it condition. I did not ilve ion to his present pitiable many others, merely offere for you might be, like presume you desire to "" me for speaking the truth ; but since yon ask, I stand, and so moung man was then so weak he could scorcely to prevent him to prevent him committing suicide. I saw the father, a little time after, again and not been for you"" in his eyes, that his son had died in the mean time. "H and now deen for you," said he, "I should never have known what killed hi Had it I kow the chin, much younger, who might have died in the same way; I have Another evil, I trust I shall be able to prevent it."
been tanght the practice tunately disce the practice by a female servant with whom she slept. The mother formonately discovered it beforo the evil was gone too far, and by a proper courserrecorered. recovered.
Which one instance I knew a boarding-school where fourteen young females reside sick, and to be entirely broken up on account of this practice. One after another fell sick, and all eventually were sent home ; previous to which, the principal ascertained, from the confession of one among them, that for a length of time they had all lieen adidicted to this vice. Nine out of these fourteen died in less than five years afrer i
interesting fagts relating to pairing and courtship
The very lowest beings have more in common with man than most people imagine. Not only have they the same bodily organs and functions, and the same emotions; but they have also the same mental powers, and moral impulses, though of course infinitely less in degree. Even love itself, with all its toying and dalliance, to say nothing of mere sensual pleasure-may be experienced by creatures so far down in the scale as to be scarcely considered sentient.
down in the scale as to be scarcely considered sention
The accounts given elsewhere of the snail and its amours, will prove this, but we
The accounts given elsewhere of the snath for their interest, and also because they will serve to broaden our views of life in general, and show that man has not a monopoly either of mind or of the finer feelings.
nopoly either of mind or of the sussiz remarks, that no one who has seen them, during
In regard to the snails, Agassiz remarks, that no one who has seen thon, their amours, can have the least doubt that and Mr. Lonsdale stated a fact to Mr. O . propriate movement show that they are even capable of some degree of permanent Darwin, which was quite feeble, in attachment. He placed a pair whes the the the in a short time
 climbed over the wall into a bettor pat strange to say, twenty-four sickly companion behind; apparently it was deserted ; butstrange to sall together. I hours after, the truant returned, and the two then went over the wall with the nelis would seem as if the strong one went to of better quarters to its weakly companion.

Among some of the cuttle-fishes a very singular mode of impregnation takes place. The whole of the male element accumulates in one of the arms, or tentacles which is then cast off, and becomes an independent being, which attaches itsoltion the female by its sucker, and lives so for a considerable time, till the impreguaike is fully effected, when it falls off and dies. This cast-off fragment is so much lit the real separate animal that Cuvier actually described it as a parasite, and namberg hectocotyle. There are several instances known, however, in which the male oig体 its own.
In many of the crustaceans, like crabs and lobsters, the male has certain of In many aring the colation. He also often carries her about with them for weeks togeture if to fully secure her to himself. These singular organs appear to be used solely as if to fully secure her theren for has been discovered. oonnection with the generative act, as often used to fight with, for the male crust
reans, like those of the higher animals, will fight over their females.
As a rule, these singular parts are not fully developed till the male is full grown wrile he is immature they resemble the corresponding parts in the females.
Mr. Bate tells us that he once took a mad enale sand-hopper, such as we with a crowd of others in a vessel. Some time after, puting the female vessel, and he at once dashed in her away ; this showed memory, rocoritio, and ther, and took being.
at, even in this hamble
Gardner tells us of a purrowns Mr, he had rolled a shell. Th own whose hole he had rolled a shell. The crab not only brought out the shell and carried it to a safe distance, but seeing two others so near his hole that there was danger they also of also. Now this showed both appreciation Canestrini reason enough to take precautionary measures against it.
Cif of choose one out of a numher of males, that have been fighting for her favors, and drive the rest oway . In doing so she probably discerns some points of perfection in the chosen one, In make him more pleasing to her. It is often, however, a very perilous thing to be he favorite, for not unfrequently the lady makes a meal of her paramour. As a rule, male spiders are remarkably small, and to this they no dowb their safety. Compared with the females, they frequently rather than animals of the same kind, and literally can hide themselves parasites mbs and body. In fact, nature appears to hare redued them litte about her noving male organs, intended solely to serve the purpose of to little more than seem to be fully aware of the danger they run in porpose of impregnation. They in most other beings, the sexual impulse is too sur play great caution, skill, and agility in thir strong to be resisted. Still they disaost favorable moment Some others of the
lemale during the act of coition ; of beings have suckers with which they hold the and hold the males. In short th
copulation, are very varivances for enabling the sexes to be conjoined, in the act of modified to servery varied, and often remarkably curious. Sometimes the jaws are of some to serve this purpose, and at other times some of the limbs; thus the males with which they hombing dragon flies have immense jaws, smooth and toothless, the same they hold the female without hurting her. In some wasps also there is nith, to parts to burrow in the ground , to make their nests.
The females of some water-beetles have their wing cases deeply grooved, or covmales thith hairs, or sometimes with holes in them, to give the males better hold; the It is common being provided with parts adapted for using these aids,
times remmon with insects ior the male to be smaller than the female, and someWorm is so mubly so, as in the case of the spider. The cocoon of the male silkWorm is so much smaller than that of the female that they can be separated by weigh, and a similar disparity is found in other cocoons. Still there are exceptions have to rule, especially among the beetles and dragon flies, and in those males who It would the female in the air, during the copulative act, as some do.
It would be a great mistake to suppose that only the larger, more perfect, or
 Lubbock tells us that the males of certain little, ugly, misshapen, dull-colored insects . and and the male runs after her, gets in front, and are part, preta if besful, turns away, and he faces her again. Then they faces her; while sile, an and tor ther in all kinds of amusing ways, whip one another with the enjoyment is the same as Evidently they enjoy this, and it seer
that which is experienced by the males and females of some insects, as the locust for
It is supposed that the pecuiliar note or the sem and indeed they instance, is uttered for the purpose of anding This is particularly noticeable been seen to flock around a male whie thas in the seventeen-year loeust, the male of which only drums, and. They may also be pose of calling the females to him, and probably exciting them. They may aiso be frequently seen to select, or choose, one particular female out of the number so called.

The male cricket will also place himself at the entrance to the burrow in whicd is the female, and sing in a peculiar manner till she appers, won is the female, and sing in other ways shows his admiration.
with his antennæ, and in other
M. Fabre, in describing the cerceris, a wasp-like insect, tells us that he has fre
M. Fabre, in describing the cerceris, a wasp-in of some particular female, she al quently seen the males aghes the fight was over flying away with the conqueror-all the whi cory human like. The same insects recognize each other, even when they which is show real attachment. Huber tells us that ants which have been had been separated for four mones,
met, though mixed the female to call the
The ticking noise of the common dealla-warticular spot by imitating the noise male, and the males may often oftracted by the ticking of a watch.
It is probable that they are thus oft in their amours. The males will fight fiercely
Butterflies are very demonstrative in their ars wings in their combats for possession of the females, and often mine ancouraging The females will also coquet with their admirers, others. A pair will often spend an hour or more in daliance bero the females, but i
During the marriage flight, the males of some kinds suppor structure. others the females support the males. This is owing to diferencole are provided Several kinds of fishes, especially sharks and rays, which copele, ated them, with claspers to hold the female; and an old fisherman, who had often watorks. ssured me that the act is often prolonged for half an hour or in a
The capelin does not copulate, but the males assist the female in a very like s
ay in laying the spawn. They are provided with a ridge of close-set scales, like tiff brush, and one of them will get on each side, so as to support her, and then The保 pork-like scales enable them to hold her, and to keep her up, she being heavier tha he males on sccount of the spawn
This engs is paralleled by other beings, as This assistance to the females in laying the eggs Is is quite probable also that the by some frogs for instance, as explained elsewhere. same time, and thus insure fertiliaction may cause
zation of the ovæ.
The males of many fishes fight for the females, and some of them pair in single
couples. The male stickleback also makes the nest, in which the fomale eggs, and conducts her to it with most undoubted indications of pride in his work, and admiration and love for his partner. The combats between the male sticklebacks over the females are most furious, and often result in serions injure stickleback

The male salmon is even worse in this
them are killed every season while fighting over the ferkeback, and number ,es. the conqueror the greatest jealousy, M. Carbonier
nacropus, which he kept in confins details as to the courtship of a Chinese fish, the The males are most brilliantly cont for the purpose of studying them.
playing themselves before the females ; while and seem to take great pleasure in diswim slowly are appreciation,
It is not all mere play, however, for pleasure from contemplating them.
for the possession of thay, however, for the males contend with each other fiercely has succeeded has succeeded, he waits upon his bride when she emits the eggs, and cares for them in a very curious manner. He blows air from his mouth into the water, so as to make a little disk of froth, which floats on the surface. In this raft of froth he do posits the eggs, taking care to keep it always in good order, and watching it till deyoung are fairly hatched.
The males of some other fishes retain the eggs in their mouths till they develop into young.
In these instances, as in some others which have been mentioned, the male plays the principal part in the actual hatching of the eggs, and caring for them. He fact does much that usually falls to the female's share in the higher animals.
It is worthy of especial note, that though the eggs of the female fish can be pregnated artificially, without any association whatever with the male, as in our fish. breeding establishments, still, naturally, the two sexes do seek each other at the timi of spawning, and seem to delight in the ossociatios that, as a rule, the female neve denoit ence of the male, and he, on his cort,
This proves that all animals buring ther
are amatively excited, the deriving pely excited, the two sexes evidently seeking each other's company, and The moles use fore, arintation.
partners, and these force, artifice, and allurements of various kinds to obtain female partners, and these, on their part, exhibit caprice, choice, or dislike, and coquet just as in the heings themselves. In short, it is love and courtship in the lowest beings as in the highest. Even where there is no actual union of the two sexes-no bodily contact of any kind-there is evidently some form of pleasure in the mere act of With the sperm and germ together, as in the case of the fishes last mentioned imit ors other's presence, or elose pros Saity merely, at the time when impregnation occurs.
some of the male sticklebacks are also excellent nurses of the young, taking the them back of them till able to fully shift for themselves. They will gently take them back to the nest when they stray too far, and constantly guard it against all enemies. The female, on the contrary, would destroy her own young if the male been notive her away. In this instance, therefore, as in many others that have been noticed, the two sexes seem to chance, tharesore, as in many others that have

Some of the pipe-fishes and sea-horses possess pockets, or sacs, in which the
 eggs are in some species the female has the pifferent offices, in the process of reproduction, ehange the male. So curiously do the
places between the two sexes. Reptiles would seem, to most peopre, sten do so, and sometimes very remarkably. of love-making; nevertheless curiously modified, to enable them Some of them also have parts of their structure curiously mory, occurring only in the to hold the female, and these modifications matm (Triton palmipes), the hind feet are pairing season. Thus, in the cosme ne in the pairing season the web disappears, usually webbed, so that he swims well, but in the pairing season the web disappears, learing the claws free, which enables him to hold the female mer, makes a great act of cohabiting. He is very eager in his pursuit of his partner, and makes a great display of himself before her, by vibrating his broad tail, and elevating the crest on
his back. This crest also, it is worthy of remark, is only developed during the pairing season.

The male crocodiles also, like their small brethren the newts, make a great display of themselves before their female partners, by fighting together fiereely, and play of themseives and pirouetting around them in the water; at the same time emitting a powerful musky odor.

Indeed most animals, at such times, emit a peculiar odor, which probably attract Indeed most anmans, may thus enable them to find each other. It may also cause excitement.

The male lizards are very pugnacious, and fight fiercely for the females during
The male lizards are very pugnacious, will lose his tail in the combat, and when the pairing season. Very frequentllows it.
Birds are very callant, and practice many curious habits in their amours. Some Birds are very gallant, and practice many curiousle degree. The bower bird for of these exhibit both intellect and taste in a remarkide size, and ornaments it with all instance, makes a real bower, often of consi It is not a nest, nor a dwelling-place, the bright and curious objects it can find. It is not a nest, nimes, especially in the but simply a play-place, where the birds resort at certain times, especi. The neatpairing season, for the purpose of amusement and amative enjosment.
ness, taste, and real beauty of some of these love-bowers is really surprisio.
Other birds even plant gardens before their places of assemblage, aneed, stick, and always full of flowers. They begin by carefully removing every wem, stone, so as to have a perfectly smooth bed, which they farpes they wither new ones bring flowers and arrange them with great taste. As ast This also is prompted are brought, so that the garden is always bright and fresh. This also is prompting by gallantry, and by the desire to have their love-making, in every way, as pleasin as possible.
Some birds sing only at the pairing season, and others assume their most brilliant colors at that time, the object apparently being to attract their partre to cause mutual admiration.

No animals fight more fiercely for the farors of the females than do birds of all finds, and sometimes they have special weapons for the purpose.
kinds, and somet mes of the besutiful and tiny humming-birds even will fight, in the loreseason, with the most reckless ferocity. Not unfrequently indeed death ensues frow their are thing occurs with many other birds, and often the excio
ment of battle so carries them away that they can be readily captured by their enemies. Usually in such encounters, the female looks placidly on, and goes off with the victor. This, however, is not always the case, for sometimes she will watch the fight between two of her admirers, and when they are both exhausted, or one dead even, she will quietly take herself off with some new-comer, who has not fought at
all. all.

The males of some birds, as the polygamous ruff, for instance, are so remarkobly pugnacious, especially in the spring, that whole companies of them will fight together in the fiercest manner, so as often to kill one another. These fiel of tle are always at the places where the females are about to lay their ears ; ond the ground will often be so trampled during the fight that the fowlers oaily fin as the birds come day after day to fight at the same place, they and it, and
Some birds, however, it is said, never fight Andubo meariy caught.
of our woodpeckers (Picus Averatus), the males of which never fight, eral of them may be courting a female the the the sevare, however, are, however, very exceptional, for as a rule the males always fight, and especially in
pairing time. pairing time.
The caper
daily for the curzie, and the black cock, like the ruff, fight in companies, assembling daily for the purpose, for weeks together. The black cock also practices a peculiar love-dance, and sings a peculiar love-song, which the Germans call balz, in pairing time. In fact, the bird seems crazy from amative excitement. He atters the strangest noises, and indulges in the most curious antics, jumping about, often in circles, spreading and flapping his wings, stretching out his neck, and rubbing his head along the ground. So absorbed does he become in these capers that he seems both blind and deaf, and may be shot readily, or even canght by the hand
After these curions dances are over, the combat begins, and often rages furiously for several hours ; very often the same dancing-places are visited year after year, and very victorious male will frequently make a kind of triumphant tour from one to nother, in a single day, fighting at each.
Grouse also fight in companies, in the same way, but only in the breeding eason.
Audubon tells us that the female of the Virginia goat court, where she calls around her a number of male admirers, and from among them nakes her choice; the favored one then fights the others and drives them Contrary to the usual course, in this case, the pairing comes first, and the combat afterwards.
Some good observers, however, assure us that the male birds often make sham fights only, just to display themselves before the female, so that she may the better choose among them. Audubon indeed says, that after one of these make-betier combats, both victors and vanquished will go off together to seek the female, and if she does not at once make a choice, the fictitions together to seek the female, and if tield-starlings will make a choice, the fictitious struggle recommences. The male fighting at once, and all right fiercely in flocks, but if the female appears they cease The male birds all rush after her as if they were crazy.
ing season, by which many species have a peculiar song, or call, during the breedvery remarky which they attract, and appear to charm the female. And what is enable them to, certain parts either grow, or change in form, at that season, to
The mem to make these songs or calls.
The male turkey scrapes his wings on the ground, the peacock rattles his wings,
and the male grouse drums, to call or please the female ; that this is so is proved by the fact that after one has made this drumming noise the females near will all ly to him.

Our common gronse, it is well known to hunters and naturalists, perform a very curious love-dance, during the pairing season. They will assemble in large numbers on some level place, and then run round and round, in a regular circle, some to the right and some to the left, till they wear the ground quite bare. During the the right and some the most comical antics, and the most extravagant gestures dance, they indulge in thi

The solemn long-legged heron even makes himself equally ridiculous by his aball birds the disgusting carrion vulture makes surd capers, while courting; and of all birds the disgust
himself as ludicrous as an ang her admirers is beyond doubt,
That the female bird makes a choice from among her admirers is beyond iouth, and probably this is usually determined by some singing, or greater splendor in their plumage; but sometimes it is merely the conqueror in battle that wins her affections. Very frequently, as stated before, the males meet and fight, or practice their peculiar dances, for many days, or even weeks, before the actual pairing takes place. Thus our partridge dances often lasi over a month, and so with snipes, who frequent the same ground often for many years in succession.

Mr. Darwin shows admirably how this process of selection operates to effect improvement, or change, in many ways. Thus the best fighters and singers, and the handsomest in plumage, being constantly preferred, will in consequence propagate more than the less favored ones, and, by the law of heredity, transmit their superior qualities to their offspring.

It does not appear that the males show any particular preference in regard to the females, except in some few instances, but take them as they find them.
Some birds in Australia make regular hillocks on which to fight, and others Sth large hollows for the same purpose.
cratch large hollows for the same purpose.
Either from dispurity of numbers in the sexes, or from mere caprice, there Either from dispurity of numbers in the two sexes, or from thorich coming toare frequently unpaired birds, both male and female, and these, though comid are diffigether, do not
cult to please.

It to please.
Although, when paired, the two birds usually remain together during the whole reeding season, yet it is not always so. A very close observer assures me he has requently $e=e$, frequently seen a quarre, apparently about the cest, As a rule, when the male is male going off, and the female finding a new mate. As a rule, when the maie is killed, the female soon obtains another, or even several in succession.
when the males were shot, the widow got three new ones the same day.
Sometimes if the female be killed, after the eggs are laid, the male will find 4 new partner, and they will rear the brood between them.
Although the usual habit is for birds to pair, still we sometimes find two, or evel three females to one male, and one nest; and still more rarely, two or more males to one female.

In polygamous birds, as the common fowl for instance, it is the best fighter whe monepolizes several females for his own use, and drives the other males away. In connection with their young also, birds show more of real human feeling o sympathy, an: more intelligence too, than they commonly get credit for. Darwi
mentions a caie where a game-keeper killed all the young hawks in a nest, except one, nest solitary orpher shot, and then two others came to feed the poor solitary orphan, and they too were shot; but still others came, till three pairs poor for this? for this?
With many kinds of birds, when paired, if one dies the other always pines away refusing to be consoled. And a bird fancier assures me that when two birds have long been kept together, if one be taken away the other often refuses to eat, and dies. That those who have long been together can recognize each other, whent, and dies together, after a long separation, is well known, and they ofter, when again put delight at the reunion. Their memories are undoubtedly return to their old homes even after they have been good, for pigeons will months.
Dirds are not only kind to young o to each other. Thus blind birds have been fedhers as well as to their own, but often when crippled have been carefully tended till fed and protected by their fellows; and There are, therefore carefully tended till well.
usually supposed, both sympathetic and intell of humanity in the bird than is coquetry are plainly shown the caprice, jealousy, and sight. Thus Damien shown by them, and also sudden attachment, or love at first her mate, of Dap her. Something with. Something in the new-comer took her fancy at once, and she divorced herself ithout spouse, in order to enjoy his society, thongh he On the forst both shy and afraid of her.
On the contrary, some females cannot be made to accept certain males by any mateans whatever. They may be confined with them, and kept away from all others, but to no purpose ;-that particular one they will not have. Some male birds, however, like certain men, appear attractive to all the females they meet with, and are urariably preferred before all their fellows. Breeders call them gay binds, and are aten are obliged to confine them when their partieular breed is not wented and they Many instances are recorded where females have deseed is not wanted.
heir gay feathers, and taken others who stiil retained thesed males who had lost re never chosen by their own kind for porners, but thi Ablos, it is stated strangeness.
It is not always the male that cours instances the female courts the male. This is thale, though usually so ; but in some ing to Audubon, with the old neaver round the male while temales will also fight wher the is dancing, and evidently try to attract him. The Some female birds shis is the case, it is and fiercer than the males, and when the female foeds he hat and hatches out the young, while progeny. This is the and with, the necessary, for the proteetion of her partner and here has olso ane case with the Australian emu, but, strange to say, the female battled and and irresistible tendency to destroy her young, and the male, who has an. Th. cared for them, has to defend them against the mother the best way he anme To rage seems to last even for some time after nesting, so that if the two me together they almost always fight, and the female is usually the victor. Thi
seems singular love-making and parentage, but is probably as pleasing to them as other modes are to other birds. To show the singular contrasts nature presents us with, in regard to these matters, the male ostrich is much larger and more powerful than the female, and yet he also takes the whole care of the eggs and young, equally with the small gentle emu.

Among the mammalia, till we ascend to civilized man, the male almost always wins the female by the law of battle, or by simple violence. The very weakest and most timid, when excited by the erotic fever, will combat for female favors. Even two male hares have been known, when so stimulated, to fight till one was kilied. Moles, squirrels, beavers, and sheep are equally pugnacious and daring at such times

In fyct fighting is the rule, and many animals are provided with special weapons, me torions kinds, which seem to be used only or chiefly in these seymal sragles Trives away his rivals, or kills them, and enjoy these his bride of and instances have been known of two or tolerate each other's company at all; and yet instances howerful for either to master alone.

A gentleman residing at the Fanlkland Islands, imported an English stallion, with some brood mares; there were also two droves of wild mares on the Island, each with their wild stallion, and these in turn attacked the English horse, and tried to with their wild stallion, and mese failed. They were then seen to come together, get his mares away from him, but ailed. and while the one fought with him the other endeather, by running them into a cor ted females. They were however all captured tog
ral, the wild stallions refusing to leave the molions tusks of the elephant, are both
The bony horn of the narwhal, and the prodigious tusks of ornithorhynchus has a used in fighting for possession of the females. Even the male oratho which is prorided with a bag of fluid, like that at the root of a snake's poison fang; but it isquie harmless. This spur, however, serves another purpose in all probability, for there hollow in the corresponding part of the female's leg, in which the spar fits, and most likely this enables him to hold her better during copulation.
It is singular that the stag, if castrated, never renews his horns, showing the nnection they have with his sexuality. With the male reindeer, however, it is or for he may be castrated and still renew his horns as before. Eunuchs, it is Rell hams when castrated do not always lose their en men they retain them become smaller.
orns entirely, but even when they retain them they become smailer.
Captain Bryant, gives us some very . Their tendency appears to be polygamous, seals, who are nats each male keeping as many females to himself island where they breed, appear to be "Many of the females, on their arrival at ore frequently climb the outlying desirous of returning to sor for a familiar roice; rocks to overlook the rookeries ; calling out and istening, as if for a soon as a female then changing to another place they a the making a noise meanreaches the shore, the nearest male goes down to coaxes her, while like the clucking of a hen to her chickens. He bows, Then his till he gets between her and the water, so that she cannot escape hi. Tarem, and manner changes, and with a harsh growl he drives her to a place in his higher up this continues till the lower row of harems is nearly full. Then the males higher uf
select the time when their more fortunate neighbors are off their guard to stal their wives. This they do by aking them in their mouths and lifting them over the heads of the other females, and carefully placing them in their own them, them as cats do their kittens. Those still higher up pursue the same method, until the whole space is occupied. Frequently a struggle ensues between two males for the possession of the same female, and both seizing her st once pull her in the for bly lacerate her with their teeth. When the space is all flled the terricomplacently around reviewing his fomily, soalding others; and fiercely driving off all inmily, scolding those who disturb or crowd the others; and fiercely driving off all intruders.
capture the hen by main force ; boll it is well known will commonly run down and capture the hen by main force ; but he will also use stratagem, when it suits his purpose better. He will pretend to find something to eat, and call the females round him to have it, but when they have all come he changes his note, and at once seizes the flock for fear of ceremony. A young cock, who is obliged to keep away from The power of the old ones, will often adopt this stratagem.
they have ner of the amative mania in dogs is well known; while under its influence they have no regard for anything but the object of their pursuit, and will endure anything rather than abandon it. Still, Mr. Mayhew assures us, the females will often make a decided choiee from among a crowd of suitors; evidently showing a preference for some particular dog. The females of small breeds, he says, almost always choosing a large mate. Breeders also notice that sometimes particular nimals always pair together, and will not do so with others. Mr. Cupples even gives in instance where a female, who had been separated from her favorite male, would never after associate with another, although in condition. Whether the male equal constancy is not stated ; but most probably not. Instances have bee lnowed however, of male dogs refusing to associate with stran fas from those they had been accustomed to. Stallions and mart ven boars and sows, heows, and $t o$ exhibit much constancy in their to stanta
One strance pertiarity aheir attachments.
reeding season the nose becomes the sea seal, may here be mentioned. During the capable of being erected like a trunk. Whed, sometimes to a foot or more, and is it occurs at that secsod like a trunk. What purpose this serves is unknown, but as It would be interesting it is doubtless in some way or other connected with pairing. the probability is it wh to know if this would ocenr in males that had been castrated; the probability is it would not ; for the males of several animals that have scent bags, castrated deer, castrated deer, as before stated, develop no antlers.

