HENRY DAVID THOREAU



EXCURSIONS

EXTENDED ANNOTATED EDITION

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Henry David Thoreau

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Henry David Thoreau - A Biographical Primer

1817-1862 - American recluse, naturalist and writer, was born at Concord, Massachusetts, on the 12th of July 1817. To Thoreau this Concord country contained all of beauty and even grandeur that was necessary to the worshipper of nature: he once journeyed to Canada; he went west on one occasion; he sailed and explored a few rivers; for the rest, he haunted Concord and its neighbourhood as faithfully as the stork does its ancestral nest. John Thoreau, his father, who married the daughter of a New England clergyman, was the son of a John Thoreau of the isle of Jersey, who, in Boston, married a Scottish lady of the name of Burns. This last-named John was the son of Philippe Thoreau and his wife Marie le Gallais, persons of pure French blood, settled at St Helier, in Jersey. From his New England Puritan mother, from his Scottish grandmother, from his Jersey-American grandfather and from his remoter French ancestry Thoreau inherited distinctive traits: the Saxon element perhaps predominated, but the "hauntings of Celtism" were prevalent and potent. The stock of the Thoreaus was a robust one; and in Concord the family, though never wealthy nor officially influential, was ever held in peculiar respect. As a boy, Henry drove his mother's cow to the pastures, and thus early became enamoured of certain aspects of nature and of certain delights of solitude. At school and at Harvard University he in nowise distinguished himself, though he was an intelligently receptive student; he became, however, proficient enough in Greek, Latin, and the more general acquirements to

enable him to act for a time as a master. But long before this he had become apprenticed to the learning of nature in preference to that of man: when only twelve years of age he had made collections for Agassiz, who had then just arrived in America, and already the meadows and the hedges and the stream-sides had become cabinets of rare knowledge to him. On the desertion of schoolmastering as a profession, Thoreau became a lecturer and author, though it was the labour of his hands which mainly supported him through many years of his life: professionally he was a surveyor. In the effort to reduce the practice of economy to a fine art he arrived at the conviction that the less labour a man did, over and above the positive demands of necessity, the better for him and for the community at large; he would have had the order of the week reversed — six days of rest for one of labour. It was in 1845 he made the now famous experiment of Walden. Desirous of proving to himself and others that man could be as independent of this kind as the nest-building bird, Thoreau retired to a hut of bis own construction on the pine-slope over against the shores of Walden Pond — a hut which he built, furnished and kept in order entirely by the labour of his own hands. During the two years of his residence in Walden woods he lived by the exercise of a little surveying, a little job-work and the tillage of a few acres of ground which produced him his beans and potatoes. His absolute independence was as little gained as if he had camped out in Hyde Park; relatively he lived the life of a recluse. He read considerably, wrote abundantly, thought actively if not widely, and came to know beasts, birds and fishes with an intimacy more extraordinary than was the case with St Francis of Assisi. Birds came at his call, and forgot their hereditary fear of man; beasts lipped and caressed him; the very fish in lake and stream would glide, unfearful, between his hands. This exquisite familiarity with bird and beast would make us love the memory of Thoreau if his

egotism were triply as arrogant, if his often meaningless paradoxes were even more absurd, if his sympathies were even less humanitarian than we know them to have been. His Walden, the record of this fascinating two years' experience, must always remain a production of great interest and considerable psychological value. Some years before Thoreau took to Walden woods he made the chief friendship of his life, that with Emerson. He became one of the famous circle of the transcendentalists, always keenly preserving his own individuality amongst such more or less potent natures as Emerson, Hawthorne and Margaret Fuller. From Emerson he gained more than from any man, alive or dead; and, though the older philosopher both enjoyed and learned from the association with the younger, it cannot be said that the gain was equal. There was nothing electrical in Thoreau's intercourse with his fellow men; he gave off no spiritual sparks. He absorbed intensely, but when called upon to illuminate in turn was found wanting. It is with a sense of relief that we read of his having really been stirred into active enthusiasm anent the wrongs done the ill-fated John Brown. With children he was affectionate and gentle, with old people and strangers considerate. In a word, he loved his kind as animals, but did not seem to find them as interesting as those furred and feathered. In 1847 Thoreau left Walden Lake abruptly, and for a time occupied himself with lead-pencil making, the parental trade. He never married, thus further fulfilling his policy of what one of his essayist-biographers has termed "indulgence in fine renouncements." At the comparatively early age of forty-five he died, on the 6th of May 1862. His grave is in the Sleepy Hollow cemetery at Concord, beside those of Hawthorne and Emerson. Thoreau's fame will rest on Walden; or, Life in the Woods (Boston, 1854) and the Excursions (Boston, 1863), though he wrote nothing which is not deserving of notice. Up till his thirtieth year he dabbled in verse, but he had little ear for metrical music,

and he lacked the spiritual impulsiveness of the true poet. His weakness as a philosopher is his tendency to base the laws of the universe on the experience-born, thoughtproduced convictions of one man — himself. His weakness as a writer is the too frequent striving after antithesis and paradox. If he had had all his own originality without the itch of appearing original, he would have made his fascination irresistible. As it is, Thoreau holds a unique place. He was a naturalist, but absolutely devoid of the pedantry of science; a keen observer, but no retailer of disjointed facts. He thus holds sway over two domains: he had the adherence of the lovers of fact and of the children of fancy. He must always be read, whether lovingly or interestedly, for he has all the variable charm, the strange saturninity, the contradictions, austerities and delightful surprises, of Nature herself.

Excursions.

Natural History Of Massachusetts.

Books of natural history make the most cheerful winter reading. I read in Audubon with a thrill of delight, when the snow covers the ground, of the magnolia, and the Florida keys, and their warm sea-breezes; of the fence-rail, and the cotton-tree, and the migrations of the rice-bird; of the breaking up of winter in Labrador, and the melting of the snow on the forks of the Missouri; and owe an accession of health to these reminiscences of luxuriant nature.

Within the circuit of this plodding life, There enter moments of an azure hue. Untarnished fair as is the violet Or anemone, when the spring strews them By some meandering rivulet, which make The best philosophy untrue that aims But to console man for his grievances. I have remembered when the winter came, High in my chamber in the frosty nights, When in the still light of the cheerful moon, On every twig and rail and jutting spout, The icy spears were adding to their length Against the arrows of the coming sun, How in the shimmering noon of summer past Some unrecorded beam slanted across The upland pastures where the Johnswort grew; Or heard, amid the verdure of my mind, The bee's long smothered hum, on the blue flag Loitering amidst the mead; or busy rill, Which now through all its course stands still and dumb Its own memorial,—purling at its play Along the slopes, and through the meadows next, Until its youthful sound was hushed at last In the staid current of the lowland stream; Or seen the furrows shine but late upturned, And where the fieldfare followed in the rear, When all the fields around lay bound and hoar Beneath a thick integument of snow. So by God's cheap economy made rich To go upon my winter's task again.

I am singularly refreshed in winter when I hear of serviceberries, poke-weed, juniper. Is not heaven made up of these cheap summer glories? There is a singular health in those words, Labrador and East Main, which no desponding creed recognizes. How much more than Federal are these States. If there were no other vicissitudes than the seasons, our interest would never tire. Much more is adoing than Congress wots of. What journal do the persimmon and the buckeye keep, and the sharp-shinned hawk? What is transpiring from summer to winter in the Carolinas, and the Great Pine Forest, and the Valley of the Mohawk? The merely political aspect of the land is never very cheering; men are degraded when considered as the members of a political organization. On this side all lands present only the symptoms of decay. I see but Bunker Hill and Sing-Sing, the District of Columbia and Sullivan's Island, with a few avenues connecting them. But paltry are they all beside one blast of the east or the south wind which blows over them.

In society you will not find health, but in nature. Unless our feet at least stood in the midst of nature, all our faces would be pale and livid. Society is always diseased, and the best is the most so. There is no scent in it so wholesome as that of the pines, nor any fragrance so penetrating and restorative as the life-everlasting in high pastures. I would keep some book of natural history always by me as a sort of elixir, the reading of which should restore the tone of the system. To the sick, indeed, nature is sick, but to the well, a fountain of health. To him who contemplates a trait of natural beauty no harm nor disappointment can come. The doctrines of despair, of spiritual or political tyranny or servitude, were never taught by such as shared the serenity of nature. Surely good courage will not flag here on the Atlantic border, as long as we are flanked by the Fur Countries. There is enough in that sound to cheer one under any circumstances. The spruce, the hemlock, and the pine will not countenance despair. Methinks some creeds in vestries and churches do forget the hunter wrapped in furs by the Great Slave Lake, and that the Esquimaux sledges are drawn by dogs, and in the twilight of the northern

night, the hunter does not give over to follow the seal and walrus on the ice. They are of sick and diseased imaginations who would toll the world's knell so soon. Cannot these sedentary sects do better than prepare the shrouds and write the epitaphs of those other busy living men? The practical faith of all men belies the preacher's consolation. What is any man's discourse to me, if I am not sensible of something in it as steady and cheery as the creak of crickets? In it the woods must be relieved against the sky. Men tire me when I am not constantly greeted and refreshed as by the flux of sparkling streams. Surely joy is the condition of life. Think of the young fry that leap in ponds, the myriads of insects ushered into being on a summer evening, the incessant note of the hyla with which the woods ring in the spring, the nonchalance of the butterfly carrying accident and change painted in a thousand hues upon its wings, or the brook minnow stoutly stemming the current, the lustre of whose scales worn bright by the attrition is reflected upon the bank.

We fancy that this din of religion, literature, and philosophy, which is heard in pulpits, lyceums, and parlors, vibrates through the universe, and is as catholic a sound as the creaking of the earth's axle; but if a man sleep soundly, he will forget it all between sunset and dawn. It is the three-inch swing of a pendulum in a cupboard, which the great pulse of nature vibrates by and through each instant. When we lift our eyelids and open our ears, it disappears with smoke and rattle like the cars on a railroad. When I detect a beauty in any of the recesses of nature, I am reminded, by the serene and retired spirit in which it requires to be contemplated, of the inexpressible privacy of a life,—how silent and unambitious it is. The beauty there is in mosses must be considered from the holiest, quietest nook. What an admirable training is science for the more active warfare of life. Indeed, the unchallenged bravery,

which these studies imply, is far more impressive than the trumpeted valor of the warrior. I am pleased to learn that Thales was up and stirring by night not unfrequently, as his astronomical discoveries prove. Linnaeus, setting out for Lapland, surveys his "comb" and "spare shirt," "leathern breeches" and "gauze cap to keep off gnats," with as much complacency as Bonaparte a park of artillery for the Russian campaign. The quiet bravery of the man is admirable. His eye is to take in fish, flower, and bird, quadruped and biped. Science is always brave, for to know, is to know good; doubt and danger quail before her eye. What the coward overlooks in his hurry, she calmly scrutinizes, breaking ground like a pioneer for the array of arts that follow in her train. But cowardice is unscientific; for there cannot be a science of ignorance. There may be a science of bravery, for that advances; but a retreat is rarely well conducted; if it is, then is it an orderly advance in the face of circumstances.

But to draw a little nearer to our promised topics. Entomology extends the limits of being in a new direction, so that I walk in nature with a sense of greater space and freedom. It suggests besides, that the universe is not rough-hewn, but perfect in its details. Nature will bear the closest inspection; she invites us to lay our eye level with the smallest leaf, and take an insect view of its plain. She has no interstices; every part is full of life. I explore, too, with pleasure, the sources of the myriad sounds which crowd the summer noon, and which seem the very grain and stuff of which eternity is made. Who does not remember the shrill roll-call of the harvest fly? There were ears for these sounds in Greece long ago, as Anacreon's ode will show.

"We pronounce thee happy, Cicada, For on the tops of the trees,

Drinking a little dew, Like any king thou singest, For thine are they all, Whatever thou seest in the fields. And whatever the woods bear. Thou art the friend of the husbandmen, In no respect injuring any one; And thou art honored among men, Sweet prophet of summer. The Muses love thee, And Phoebus himself loves thee. And has given thee a shrill song; Age does not wrack thee, Thou skilful, earthborn, song-loving, Unsuffering, bloodless one; Almost thou art like the gods."

In the autumn days, the creaking of crickets is heard at noon over all the land, and as in summer they are heard chiefly at nightfall, so then by their incessant chirp they usher in the evening of the year. Nor can all the vanities that vex the world alter one whit the measure that night has chosen. Every pulse-beat is in exact time with the cricket's chant and the tickings of the deathwatch in the wall. Alternate with these if you can.

About two hundred and eighty birds either reside permanently in the State, or spend the summer only, or make us a passing visit. Those which spend the winter with us have obtained our warmest sympathy. The nut-hatch and chicadee flitting in company through the dells of the wood, the one harshly scolding at the intruder, the other with a faint lisping note enticing him on; the jay screaming in the orchard; the crow cawing in unison with the storm; the partridge, like a russet link extended over from autumn to spring, preserving unbroken the chain of summers; the

hawk with warrior-like firmness abiding the blasts of winter; the robin [Footnote: A white robin, and a white quail have occasionally been seen. It is mentioned in Audubon as remarkable that the nest of a robin should be found on the ground; but this bird seems to be less particular than most in the choice of a building spot. I have seen its nest placed under the thatched roof of a deserted barn, and in one instance, where the adjacent country was nearly destitute of trees, together with two of the phoebe, upon the end of a board in the loft of a saw-mill, but a few feet from the saw, which vibrated several inches with the motion of the machinery.] and lark lurking by warm springs in the woods; the familiar snow-bird culling a few seeds in the garden, or a few crumbs in the yard; and occasionally the shrike, with heedless and unfrozen melody bringing back summer again;—

His steady sails he never furls At any time o' year, And perching now on Winter's curls, He whistles in his ear.

As the spring advances, and the ice is melting in the river, our earliest and straggling visitors make their appearance. Again does the old Teian poet sing, as well for New England as for Greece, in the

Return Of Spring.

"Behold, how Spring appearing,
The Graces send forth roses;
Behold, how the wave of the sea
Is made smooth by the calm;
Behold, how the duck dives;
Behold, how the crane travels;
And Titan shines constantly bright.

The shadows of the clouds are moving;
The works of man shine;
The earth puts forth fruits;
The fruit of the olive puts forth.
The cup of Bacchus is crowned,
Along the leaves, along the branches,
The fruit, bending them down, flourishes."

The ducks alight at this season in the still water, in company with the gulls, which do not fail to improve an east wind to visit our meadows, and swim about by twos and threes, pluming themselves, and diving to peck at the root of the lily, and the cranberries which the frost has not loosened. The first flock of geese is seen beating to north, in long harrows and waving lines; the gingle of the songsparrow salutes us from the shrubs and fences; the plaintive note of the lark comes clear and sweet from the meadow; and the bluebird, like an azure ray, glances past us in our walk. The fish-hawk, too, is occasionally seen at this season sailing majestically over the water, and he who has once observed it will not soon forget the majesty of its flight. It sails the air like a ship of the line, worthy to struggle with the elements, falling back from time to time like a ship on its beam ends, and holding its talons up as if ready for the arrows, in the attitude of the national bird. It is a great presence, as of the master of river and forest. Its eve would not quail before the owner of the soil, but make him feel like an intruder on its domains. And then its retreat, sailing so steadily away, is a kind of advance. I have by me one of a pair of ospreys, which have for some years fished in this vicinity, shot by a neighboring pond, measuring more than two feet in length, and six in the stretch of its wings. Nuttall mentions that "The ancients, particularly Aristotle, pretended that the ospreys taught their young to gaze at the sun, and those who were unable to do so were destroyed. Linnaeus even believed, on

ancient authority, that one of the feet of this bird had all the toes divided, while the other was partly webbed, so that it could swim with one foot, and grasp a fish with the other." But that educated eye is now dim, and those talons are nerveless. Its shrill scream seems yet to linger in its throat, and the roar of the sea in its wings. There is the tyranny of Jove in its claws, and his wrath in the erectile feathers of the head and neck. It reminds me of the Argonautic expedition, and would inspire the dullest to take flight over Parnassus.

The booming of the bittern, described by Goldsmith and Nuttall, is frequently heard in our fens, in the morning and evening, sounding like a pump, or the chopping of wood in a frosty morning in some distant farm-yard. The manner in which this sound is produced I have not seen anywhere described. On one occasion, the bird has been seen by one of my neighbors to thrust its bill into the water, and suck up as much as it could hold, then raising its head, it pumped it out again with four or five heaves of the neck, throwing it two or three feet, and making the sound each time.

At length the summer's eternity is ushered in by the cackle of the flicker among the oaks on the hill-side, and a new dynasty begins with calm security.

In May and June the woodland quire is in full tune, and given the immense spaces of hollow air, and this curious human ear, one does not see how the void could be better filled.

Each summer sound Is a summer round.

As the season advances, and those birds which make us but a passing visit depart, the woods become silent again, and but few feathers ruffle the drowsy air. But the solitary rambler may still find a response and expression for every mood in the depths of the wood.

Sometimes-I hear the veery's[+] clarion, Or brazen trump of the impatient jay, And in secluded woods the chicadee Doles out her scanty notes, which sing the praise Of heroes, and set forth the loveliness Of virtue evermore.

[Footnote +: This bird, which is so well described by Nuttall, but is apparently unknown by the author of the Report, is one of the most common in the woods in this vicinity, and in Cambridge I have heard the college yard ring with its trill. The boys call it "yorrick," from the sound of its querulous and chiding note, as it flits near the traveller through the underwood. The cowbird's egg is occasionally found in its nest, as mentioned by Audubon.]

The phoebe still sings in harmony with the sultry weather by the brink of the pond, nor are the desultory hours of noon in the midst of the village without their minstrel.

Upon the lofty elm-tree sprays
The vireo rings the changes sweet,
During the trivial summer days,
Striving to lift our thoughts above the street.

With the autumn begins in some measure a new spring. The plover is heard whistling high in the air over the dry pastures, the finches flit from tree to tree, the bobolinks and flickers fly in flocks, and the goldfinch rides on the earliest blast, like a winged hyla peeping amid the rustle of the leaves. The crows, too, begin now to congregate; you may stand and count them as they fly low and straggling

over the landscape, singly or by twos and threes, at intervals of half a mile, until a hundred have passed.

I have seen it suggested somewhere that the crow was brought to this country by the white man; but I shall as soon believe that the white man planted these pines and hemlocks. He is no spaniel to follow our steps; but rather flits about the clearings like the dusky spirit of the Indian, reminding me oftener of Philip and Powhatan, than of Winthrop and Smith. He is a relic of the dark ages. By just so slight, by just so lasting a tenure does superstition hold the world ever; there is the rook in England, and the crow in New England.

Thou dusky spirit of the wood,
Bird of an ancient brood,
Flitting thy lonely way,
A meteor in the summer's day,
From wood to wood, from hill to hill,
Low over forest, field, and rill,
What wouldst thou say?
Why shouldst thou haunt the day?
What makes thy melancholy float?
What bravery inspires thy throat,
And bears thee up above the clouds,
Over desponding human crowds,
Which far below
Lay thy haunts low?

The late walker or sailor, in the October evenings, may hear the murmurings of the snipe, circling over the meadows, the most spirit-like sound in nature; and still later in the autumn, when the frosts have tinged the leaves, a solitary loon pays a visit to our retired ponds, where he may lurk undisturbed till the season of moulting is passed, making the woods ring with his wild laughter. This bird, the Great Northern Diver, well deserves its name; for when pursued with a boat, it will dive, and swim like a fish under water, for sixty rods or more, as fast as a boat can be paddled, and its pursuer, if he would discover his game again, must put his ear to the surface to hear where it comes up. When it comes to the surface, it throws the water off with one shake of its wings, and calmly swims about until again disturbed.

These are the sights and sounds which reach our senses oftenest during the year. But sometimes one hears a quite new note, which has for background other Carolinas and Mexicos than the books describe, and learns that his ornithology has done him no service.

It appears from the Report that there are about forty quadrupeds belonging to the State, and among these one is glad to hear of a few bears, wolves, lynxes, and wildcats.

When our river overflows its banks in the spring, the wind from the meadows is laden with a strong scent of musk, and by its freshness advertises me of an unexplored wildness. Those backwoods are not far off then. I am affected by the sight of the cabins of the musk-rat, made of mud and grass, and raised three or four feet along the river, as when I read of the barrows of Asia. The musk-rat is the beaver of the settled States. Their number has even increased within a few years in this vicinity. Among the rivers which empty into the Merrimack, the Concord is known to the boatmen as a dead stream. The Indians are said to have called it Musketaquid, or Prairie River. Its current being much more sluggish, and its water more muddy than the rest, it abounds more in fish and game of every kind. According to the History of the town, "The furtrade was here once very important. As early as 1641, a company was formed in the colony, of which Major Willard of Concord was superintendent, and had the exclusive right to trade with the Indians in furs and other articles; and for this right they were obliged to pay into the public treasury one twentieth of all the furs they obtained." There are trappers in our midst still, as well as on the streams of the far West, who night and morning go the round of their traps, without fear of the Indian. One of these takes from one hundred and fifty to two hundred musk-rats in a year, and even thirty-six have been shot by one man in a day. Their fur, which is not nearly as valuable as formerly, is in good condition in the winter and spring only; and upon the breaking up of the ice, when they are driven out of their holes by the water, the greatest number is shot from boats, either swimming or resting on their stools, or slight supports of grass and reeds, by the side of the stream. Though they exhibit considerable cunning at other times, they are easily taken in a trap, which has only to be placed in their holes, or wherever they frequent, without any bait being used, though it is sometimes rubbed with their musk. In the winter the hunter cuts holes in the ice, and shoots them when they come to the surface. Their burrows are usually in the high banks of the river, with the entrance under water, and rising within to above the level of high water. Sometimes their nests, composed of dried meadow grass and flags, may be discovered where the bank is low and spongy, by the yielding of the ground under the feet. They have from three to seven or eight young in the spring.

Frequently, in the morning or evening, a long ripple is seen in the still water, where a musk-rat is crossing the stream, with only its nose above the surface, and sometimes a green bough in its mouth to build its house with. When it finds itself observed, it will dive and swim five or six rods under water, and at length conceal itself in its hole, or the weeds. It will remain under water for ten minutes at a time, and on one occasion has been seen, when undisturbed, to form an air-bubble under the ice, which contracted and

expanded as it breathed at leisure. When it suspects danger on shore, it will stand erect like a squirrel, and survey its neighborhood for several minutes, without moving.

In the fall, if a meadow intervene between their burrows and the stream, they erect cabins of mud and grass, three or four feet high, near its edge. These are not their breeding-places, though young are sometimes found in them in late freshets, but rather their hunting-lodges, to which they resort in the winter with their food, and for shelter. Their food consists chiefly of flags and fresh-water muscles, the shells of the latter being left in large quantities around their lodges in the spring.

The Penobscot Indian wears the entire skin of a musk-rat, with the legs and tail dangling, and the head caught under his girdle, for a pouch, into which he puts his fishing tackle, and essences to scent his traps with.

The bear, wolf, lynx, wildcat, deer, beaver, and marten, have disappeared; the otter is rarely if ever seen here at present; and the mink is less common than formerly.

Perhaps of all our untamed quadrupeds, the fox has obtained the widest and most familiar reputation, from the time of Pilpay and Aesop to the present day. His recent tracks still give variety to a winter's walk. I tread in the steps of the fox that has gone before me by some hours, or which perhaps I have started, with such a tiptoe of expectation, as if I were on the trail of the Spirit itself which resides in the wood, and expected soon to catch it in its lair. I am curious to know what has determined its graceful curvatures, and how surely they were coincident with the fluctuations of some mind. I know which way a mind wended, what horizon it faced, by the setting of these

tracks, and whether it moved slowly or rapidly, by their greater or less intervals and distinctness; for the swiftest step leaves yet a lasting trace. Sometimes you will see the trails of many together, and where they have gambolled and gone through a hundred evolutions, which testify to a singular listlessness and leisure in nature.

When I see a fox run across the pond on the snow, with the carelessness of freedom, or at intervals trace his course in the sunshine along the ridge of a hill, I give up to him sun and earth as to their true proprietor. He does not go in the sun, but it seems to follow him, and there is a visible sympathy between him and it. Sometimes, when the snow lies light, and but five or six inches deep, you may give chase and come up with one on foot. In such a case he will show a remarkable presence of mind, choosing only the safest direction, though he may lose ground by it. Notwithstanding his fright, he will take no step which is not beautiful. His pace is a sort of leopard canter, as if he were in nowise impeded by the snow, but were husbanding his strength all the while. When the ground is uneven, the course is a series of graceful curves, conforming to the shape of the surface. He runs as though there were not a bone in his back. Occasionally dropping his muzzle to the ground for a rod or two, and then tossing his head aloft, when satisfied of his course. When he comes to a declivity, he will put his forefeet together, and slide swiftly down it, shoving the snow before him. He treads so softly that you would hardly hear it from any nearness, and yet with such expression that it would not be quite inaudible at any distance.

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Of fishes, seventy-five genera and one hundred and seven species are described in the Report. The fisherman will be