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Library of Congress Cataloging in Publication Data
Eiseley, Loren C., 1907-1977

The immense journey.

I. Human evolution. I. Title.
GN281.E36 1973 575 72-7434
ISBN 0-394-70157-7

Manufactured in the United States of America
Vintage Books Edition, 1959
8E9

dedicated to the memory of
CLYDE EDWIN EISELEY,
who lies in the grass of the prairie frontier
but is not forgotten by his son

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century voyagers, is confused by strange beasts or monstrous thoughts or sights of abortive men, these are no more than my eyes saw or my mind conceived. On the world island we are all castaways, so that what is seen by one may often be dark or obscure to another.

THE FLOW OF THE RIVER



If there is magic on this planet, it is contained in water. Its least stir even, as now in a rain pond on a flat roof opposite my office, is enough to bring me searching to the window. A wind ripple may be translating itself into life. I have a constant feeling that some time I may witness that momentous miracle on a city roof, see life veritably and suddenly boiling out of a heap of rusted pipes and old television aerials. I marvel at how suddenly a water beetle has come and is submarining there in a spatter of green algae. Thin vapors, rust, wet tar and sun are an alembic remarkably like the mind; they throw off odorous shadows that threaten to take real shape when no one is looking.

Once in a lifetime, perhaps, one escapes the actual confines of the flesh. Once in a lifetime, if one is lucky, one so merges with sunlight and air and running water that whole eons, the eons that mountains and deserts know, might pass in a single afternoon without discomfort. The mind has sunk away into its beginnings among old roots and the obscure tricklings and movings that stir inanimate things. Like the charmed fairy circle into which a man once stepped, and upon emergence learned that a whole century had passed in a single night, one can never quite define this secret; but it has something to do, I am sure, with common water. Its substance reaches everywhere; it touches the past and prepares the future; it moves under the poles and wanders thinly in the heights of air. It can assume forms of exquisite perfection in a snowflake, or strip the living to a single shining bone cast up by the sea.

Many years ago, in the course of some scientific investigations in a remote western county, I experienced, by chance, precisely the sort of curious absorption by water—the extension of shape by osmosis—at which I have been hinting. You have probably never experienced in yourself the meandering roots of a whole watershed or felt your outstretched fingers touching, by some kind of clairvoyant extension, the brooks of snow-line glaciers at the same time that you were flowing toward the Gulf over the eroded debris of worn-down mountains. A poet, MacKnight Black, has spoken

of being “limbed . . . with waters gripping pole and pole.” He had the idea, all right, and it is obvious that these sensations are not unique, but they are hard to come by; and the sort of extension of the senses that people will accept when they put their ear against a sea shell, they will smile at in the confessions of a bookish professor. What makes it worse is the fact that because of a traumatic experience in childhood, I am not a swimmer, and am inclined to be timid before any large body of water. Perhaps it was just this, in a way, that contributed to my experience.

As it leaves the Rockies and moves downward over the high plains towards the Missouri, the Platte River is a curious stream. In the spring floods, on occasion, it can be a mile-wide roaring torrent of destruction, gulping farms and bridges. Normally, however, it is a rambling, dispersed series of streamlets flowing erratically over great sand and gravel fans that are, in part, the remnants of a mightier Ice Age stream bed. Quicksands and shifting islands haunt its waters. Over it the prairie suns beat mercilessly throughout the summer. The Platte, “a mile wide and an inch deep,” is a refuge for any heat-weary pilgrim along its shores. This is particularly true on the high plains before its long march by the cities begins.

The reason that I came upon it when I did, breaking through a willow thicket and stumbling out through ankle-deep water to a dune in the shade, is of no con-

cern to this narrative. On various purposes of science I have ranged over a good bit of that country on foot, and I know the kinds of bones that come gurgling up through the gravel pumps, and the arrowheads of shining chalcedony that occasionally spill out of water-loosened sand. On that day, however, the sight of sky and willows and the weaving net of water murmuring a little in the shallows on its way to the Gulf stirred me, parched as I was with miles of walking, with a new idea: I was going to float. I was going to undergo a tremendous adventure.

The notion came to me, I suppose, by degrees. I had shed my clothes and was floundering pleasantly in a hole among some reeds when a great desire to stretch out and go with this gently insistent water began to pluck at me. Now to this bronzed, bold, modern generation, the struggle I waged with timidity while standing there in knee-deep water can only seem farcical; yet actually for me it was not so. A near-drowning accident in childhood had scarred my reactions; in addition to the fact that I was a nonswimmer, this "inch-deep river" was treacherous with holes and quicksands. Death was not precisely infrequent along its wandering and illusory channels. Like all broad wastes of this kind, where neither water nor land quite prevails, its thickets were lonely and untraversed. A man in trouble would cry out in vain.

I thought of all this, standing quietly in the water,

feeling the sand shifting away under my toes. Then I lay back in the floating position that left my face to the sky, and shoved off. The sky wheeled over me. For an instant, as I bobbed into the main channel, I had the sensation of sliding down the vast tilted face of the continent. It was then that I felt the cold needles of the alpine springs at my fingertips, and the warmth of the Gulf pulling me southward. Moving with me, leaving its taste upon my mouth and spouting under me in dancing springs of sand, was the immense body of the continent itself, flowing like the river was flowing, grain by grain, mountain by mountain, down to the sea. I was streaming over ancient sea beds thrust aloft where giant reptiles had once sported; I was wearing down the face of time and trundling cloud-wreathed ranges into oblivion. I touched my margins with the delicacy of a crayfish's antennae, and felt great fishes glide about their work.

I drifted by stranded timber cut by beaver in mountain fastnesses; I slid over shallows that had buried the broken axles of prairie schooners and the mired bones of mammoth. I was streaming alive through the hot and working ferment of the sun, or oozing secretively through shady thickets. I *was* water and the unspeakable alchemies that gestate and take shape in water, the slimy jellies that under the enormous magnification of the sun writhe and whip upward as great barbeled fish mouths, or sink indistinctly back into the murk out of

which they arose. Turtle and fish and the pinpoint chirpings of individual frogs are all watery projections, concentrations—as man himself is a concentration—of that indescribable and liquid brew which is compounded in varying proportions of salt and sun and time. It has appearances, but at its heart lies water, and as I was finally edged gently against a sand bar and dropped like any log, I tottered as I rose. I knew once more the body's revolt against emergence into the harsh and un-supporting air, its reluctance to break contact with that mother element which still, at this late point in time, shelters and brings into being nine tenths of everything alive.

As for men, those myriad little detached ponds with their own swarming corpuscular life, what were they but a way that water has of going about beyond the reach of rivers? I, too, was a microcosm of pouring rivulets and floating driftwood gnawed by the mysterious animalcules of my own creation. I was three fourths water, rising and subsiding according to the hollow knocking in my veins: a minute pulse like the eternal pulse that lifts Himalayas and which, in the following systole, will carry them away.

Thoreau, peering at the emerald pickerel in Walden Pond, called them "animalized water" in one of his moments of strange insight. If he had been possessed of the geological knowledge so laboriously accumulated since his time, he might have gone further and amusedly

detected in the planetary rumblings and eructations which so delighted him in the gross habits of certain frogs, signs of that dark interior stress which has reared sea bottoms up to mountainous heights. He might have developed an acute inner ear for the sound of the surf on Cretaceous beaches where now the wheat of Kansas rolls. In any case, he would have seen, as the long trail of life was unfolded by the fossil hunters, that his animalized water had changed its shapes eon by eon to the beating of the earth's dark millennial heart. In the swamps of the low continents, the amphibians had flourished and had their day; and as the long skyward swing—the isostatic response of the crust—had come about, the era of the cooling grasslands and mammalian life had come into being.

A few winters ago, clothed heavily against the weather, I wandered several miles along one of the tributaries of that same Platte I had floated down years before. The land was stark and ice-locked. The rivulets were frozen, and over the marshlands the willow thickets made such an array of vertical lines against the snow that tramping through them produced strange optical illusions and dizziness. On the edge of a frozen backwater, I stopped and rubbed my eyes. At my feet a raw prairie wind had swept the ice clean of snow. A peculiar green object caught my eye; there was no mistaking it.

Staring up at me with all his barbels spread pathet-

ically, frozen solidly in the wind-ruffled ice, was a huge familiar face. It was one of those catfish of the twisting channels, those dwellers in the yellow murk, who had been about me and beneath me on the day of my great voyage. Whatever sunny dream had kept him paddling there while the mercury plummeted downward and that Cheshire smile froze slowly, it would be hard to say. Or perhaps he was trapped in a blocked channel and had simply kept swimming until the ice contracted around him. At any rate, there he would lie till the spring thaw.

At that moment I started to turn away, but something in the bleak, whiskered face reproached me, or perhaps it was the river calling to her children. I termed it science, however—a convenient rational phrase I reserve for such occasions—and decided that I would cut the fish out of the ice and take him home. I had no intention of eating him. I was merely struck by a sudden impulse to test the survival qualities of high-plains fishes, particularly fishes of this type who get themselves immured in oxygenless ponds or in cut-off oxbows buried in winter drifts. I blocked him out as gently as possible and dropped him, ice and all, into a collecting can in the car. Then we set out for home.

Unfortunately, the first stages of what was to prove a remarkable resurrection escaped me. Cold and tired after a long drive, I deposited the can with its melting water and ice in the basement. The accompanying

corpse I anticipated I would either dispose of or dissect on the following day. A hurried glance had revealed no signs of life.

To my astonishment, however, upon descending into the basement several hours later, I heard stirrings in the receptacle and peered in. The ice had melted. A vast pouting mouth ringed with sensitive feelers confronted me, and the creature's gills labored slowly. A thin stream of silver bubbles rose to the surface and popped. A fishy eye gazed up at me protestingly.

"A tank," it said. This was no Walden pickerel. This was a yellow-green, mud-grubbing, evil-tempered inhabitant of floods and droughts and cyclones. It was the selective product of the high continent and the waters that pour across it. It had outlasted prairie blizzards that left cattle standing frozen upright in the drifts.

"I'll get the tank," I said respectfully.

He lived with me all that winter, and his departure was totally in keeping with his sturdy, independent character. In the spring a migratory impulse or perhaps sheer boredom struck him. Maybe, in some little lost corner of his brain, he felt, far off, the pouring of the mountain waters through the sandy coverts of the Platte. Anyhow, something called to him, and he went. One night when no one was about, he simply jumped out of his tank. I found him dead on the floor next morning. He had made his gamble like a man—or, I

should say, a fish. In the proper place it would not have been a fool's gamble. Fishes in the drying shallows of intermittent prairie streams who feel their confinement and have the impulse to leap while there is yet time may regain the main channel and survive. A million ancestral years had gone into that jump, I thought as I looked at him, a million years of climbing through prairie sunflowers and twining in and out through the pillared legs of drinking mammoth.

"Some of your close relatives have been experimenting with air breathing," I remarked, apropos of nothing, as I gathered him up. "Suppose we meet again up there in the cottonwoods in a million years or so."

I missed him a little as I said it. He had for me the kind of lost archaic glory that comes from the water brotherhood. We were both projections out of that timeless ferment and locked as well in some greater unity that lay incalculably beyond us. In many a fin and reptile foot I have seen myself passing by—some part of myself, that is, some part that lies unrealized in the momentary shape I inhabit. People have occasionally written me harsh letters and castigated me for a lack of faith in man when I have ventured to speak of this matter in print. They distrust, it would seem, all shapes and thoughts but their own. They would bring God into the compass of a shopkeeper's understanding and confine Him to those limits, lest He proceed to some unimaginable and shocking act—create perhaps,

as a casual afterthought, a being more beautiful than man. As for me, I believe nature capable of this, and having been part of the flow of the river, I feel no envy—any more than the frog envies the reptile or an ancestral ape should envy man.

Every spring in the wet meadows and ditches I hear a little shrilling chorus which sounds for all the world like an endlessly reiterated "We're here, we're here, we're here." And so they are, as frogs, of course. Confident little fellows. I suspect that to some greater ear than ours, man's optimistic pronouncements about his role and destiny may make a similar little ringing sound that travels a small way out into the night. It is only its nearness that is offensive. From the heights of a mountain, or a marsh at evening, it blends, not too badly, with all the other sleepy voices that, in croaks or chirrups, are saying the same thing.

After a while the skilled listener can distinguish man's noise from the katydid's rhythmic assertion, allow for the offbeat of a rabbit's thumping, pick up the autumnal monotone of crickets, and find in all of them a grave pleasure without admitting any to a place of preëminence in his thoughts. It is when all these voices cease and the waters are still, when along the frozen river nothing cries, screams or howls, that the enormous mindlessness of space settles down upon the soul. Somewhere out in that waste of crushed ice and reflected stars, the black waters may be running, but they appear

to be running without life toward a destiny in which the whole of space may be locked in some silvery winter of dispersed radiation.

It is then, when the wind comes straitly across the barren marshes and the snow rises and beats in endless waves against the traveler, that I remember best, by some trick of the imagination, my summer voyage on the river. I remember my green extensions, my catfish nuzzlings and minnow wriggings, my gelatinous materializations out of the mother ooze. And as I walk on through the white smother, it is the magic of water that leaves me a final sign.

Men talk much of matter and energy, of the struggle for existence that molds the shape of life. These things exist, it is true; but more delicate, elusive, quicker than the fins in water, is that mysterious principle known as "organization," which leaves all other mysteries concerned with life stale and insignificant by comparison. For that without organization life does not persist is obvious. Yet this organization itself is not strictly the product of life, nor of selection. Like some dark and passing shadow within matter, it cups out the eyes' small windows or spaces the notes of a meadow lark's song in the interior of a mottled egg. That principle—I am beginning to suspect—was there before the living in the deeps of water.

The temperature has risen. The little stinging needles have given way to huge flakes floating in like white

leaves blown from some great tree in open space. In the car, switching on the lights, I examine one intricate crystal on my sleeve before it melts. No utilitarian philosophy explains a snow crystal, no doctrine of use or disuse. Water has merely leapt out of vapor and thin nothingness in the night sky to array itself in form. There is no logical reason for the existence of a snowflake any more than there is for evolution. It is an apparition from that mysterious shadow world beyond nature, that final world which contains—if anything contains—the explanation of men and catfish and green leaves.