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University of **Montana**

THE CONSOLATION OF PHYSICS

By

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B.A. University of Montana, 1971

M.E. University of Montana 1980

Presented in partial fulfillment of the requirements

for the degree of

Master of Fine Arts

University of Montana

1992

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The Consolation of Physics

Poems by

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Robin Hamilton

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Thanks to the publications in which the following poems either have appeared or will appear.

CutBank: "Blue and Green"

Northwest Poets and Artists Calendar, 1993: "Autumn on the Great Plains" For my father, who sang to me, and my mother, who taught me to create, and Peggy, who inspires me.

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This is What Comforts

Blue and Green

Her favorite present is a blue glazed bowl filled with limes, like leaves curled in a palm of wave.

She touches her blue dress, sees the gray lake, but in mid-sentence she forgets his name.

Behind her, the huge trunk of a ponderosa pine disappears into long-needled branches.

In the house, upstairs, behind the chifforobe, hides a trunk filled with her dead brothers' things:

a football trophy, several textbooks, a school annual, three photos that show how brothers can look like sons

of different parents. Her father, the patriarch in a cream suit, will be dead in two years.

Her mother will live lonely with her biases. Now, surrounded by ceremony, the name of the man

she hopes to love escapes her. She hears rain on a green tent in Brittany, sees

the cabin on Thompson River, blue water, feels his strong hands. She remembers his name.

"The way we order represents the way we think." -Steven Jay Gould

This is What Comforts

We learn early that things with four legs have sharper teeth and never take off their coats. We learn about fire and warmth, what burns and what comforts. We explore the world with our mouths, pull tongues across taste and texture, spit out what gives no pleasure. Distinctions become difficult, categories specific but abstract: early flowers that are also purple: crocus, hyacinth, lilac; people we respect: Dick Hugo, Ghandi, Joan Benoit; reasons to be married: shared meals, an end to loneliness. freedom to depend on someone else. a bed warmed by another's dreams.

This is how we make sense of a world as complex as spring, societies, or the way two people live together. My wife, according to Jung, is an extrovert who validates her day with words. She needs to share each day's intricacies with Nancy or Vicki and together they remake the world with the balm of speech. I, an introvert, reorder my life in quiet thought or poetry, relish the difference between imply and infer, solstice and equinox, skin and sheet. We try to teach how words can shape a thought and bloom in action. We believe a bus full of medicine, food, and tools for Nicaragua makes a difference, though the White House calls such aid "intervention."

Peggy, we complement each other the way magnets do, the way force fields circle the earth, or green confirms spring. We need to know why warm light wakes us hours earlier in April. This caress means years and miles as well as passion. Every night evening Venus shifts retrograde and in June shines a morning star. In Place of Chocolates: A Valentine for Peggy

Though I know you love a rich heart inside sweet dark, I'll try to please you more with treats saved from other seasons, hand-wrapped in bright paper.

In silver are six-mile runs. Dissolve one slowly under your tongue and feel deliciously relaxed, virtuous.

Gold hides fine summer days at Swan Lake, when you ski water or glass and lean your shoulder to cold, blue, and deep.

The rest have French names I can't pronounce, but the pictures on the wrappers show afternoon in a Beaune vineyard, winter in Chamonix, spring in Brest.

Save the one wrapped in white for a day when rain obscures the Mission Mountains and your appetite is lost in doubts.

Don't eat it. Remember the scent of an early hyacinth. Smooth the wrapper and read it over and over as if it were a poem from someone who loves you. This poem. This someone. Harvest

for Peggy

When your brother says, "The barley's ripe," You hang up the phone, pack bib overalls and old shirts, drive 300 miles east through mountains to flat, dry land, Rudyard, the family farm. Our house is empty but calm without your anger at an imperfect world, a drawer that won't close, a stubborn stain, or colleagues who don't teach as hard as you do.

When the winter wheat ripens I join you to drive truck behind the combines. A north wind blows August cold and Scott fears hail that can shell grain wasted to the ground. You both worry. Two years ago a storm flattened 200 acres of good wheat. Scot and I hammer all afternoon in the shop replacing sickle sections broken on rocks that bloom every year between rows. You watch gray sky from the kitchen.

But the rain drifts east, across the Bear Paw Mountains, and you wrestle the old Massey-Ferguson around a strip, grin dirty from the cab. I throw you a wheat kiss. Weather has held for the first good harvest in three years since your father died. Scott needs grain bins bulging full all winter and the price up twenty cents. to feel finally comfortable as father and farmer instead of little brother, last son. You're still shaping yourself: French teacher, athlete, woman strong in a man's world. You are both learning to live without the help of Clarence Patrick, who taught you sun and rain are both important.

Rows of stubble point toward Canada or west to the Sweetgrass Hills. I watch two machines grind confidently north while last sun slants hot across the strip we'll finish in darkness. The last load groans to the elevator and the sample reads 14.6% protein, 13% moisture. Good news. Hose down the equipment, pick chaff from your hair and clothes, enjoy the last of the August heat. Take this harvest warmth, hard kernel reward of hard work, to your teaching, to everything you do. Cold Night

My wife's round warmth and two brandies cannot dull my infected body to sleep, sinuses clogged like a creek in December, ice accumulating until sluggish water gathers enough weight to swell frozen pastures liquid glazed and even stout horses slip behind the squalid barn.

This helplessness defeats me, though I stumble through the day inside my brown paper bag head snuffling and blowing toward dinner, Monday night football, tissue, and yoga for expecting parents. Peggy bulges the bed warm but I cannot sleep, anchored fevered beside her, one nostril free to breath. I cough thick phleghm, spit, and walk dark windows and floors until grey light mumbles me to fragile sleep. The Consolation of Physics

Lately, I have been reading theoretical physics. I am disturbed to learn that laws of science do not distinguish between past and future. Leaves outside my window fall, have always fallen,

will fall. My retirement plans are absurd. My mistakes are always with me. But Newton provides direction and names it: entropy. Disorder increases with time. This year I could see my whole life fall apart,

but I will not see a broken bowl fly up off the floor and reassemble itself on the table. A blue bowl on a checkered tablecloth is high order. I understand how Heisenberg proved uncertainty is all we really know.

Next week my wife will be sedated for surgery to remove the tumor swelling her pituitary big as two thumbs. Growth hormone blocks ovulation. Her wedding ring cuts and her shoes pinch. The surgeon will start the knife

under her upper lip, set aside the cartilage knob of nose, follow nasal passages to the phenoidal vacuum behind the eyes, above the roof of her mouth. Then tiny, cunning tools can carve away the intrusion.

I hope and wait. Physics posits a consolation: gravity. Even light bends to the pull of another body and speed warps time. Each orbit balances another. Everything else in our universe hurtles away,

our pasts, plans, stars, galaxies, but friends are close as touch. All hope pulls toward center, a state of "infinite density," a singularity, a birth. I have never doubted a beginning. At the Health Club

My feet pound the banked track round again, 22 laps a mile, circling bodies stretched in bright nylon tights, racks of dumbbells, bars, clever machines of balanced weights, levers, oiled cogs and chains linking us to January, renewed effort. Every lap seems fast in so small a space, so humid with resolution. I promise to drink less, maintain my fading fitness, not just for vanity now, but because the son we expect in March will never see his father young. I want our lives to overlap years more than adolescence.

Wall posters of heroic figures pose with no skin, each muscle group a different color, show how any body may be improved, any weakness remedied by exercise. Serious builders shuffle steel disks after each set of grunting lifts, add or subtract exact kilograms for precise, sculpted effect. Their optimism inspires me but I have no desire to occupy more space, carry more weight, however shapely, though I believe work sweated today blossoms next month as taut abdominals or springy steps up three flights of stairs. Compare the optimism of parents sifting a book of names for the perfect combination of ordinary and unique, sound, meaning, history and, of course, possible nicknames shouted across playgrounds, hoping the curled fetus becoming child in just two more heavy months will make them happy, complete, or at least less alone.

At the other end of the long room men and women strain gently, row, ski, bike, or climb nowhere, read magazines, and glance at the steaming mirror, all hoping for less bulky but equally tangible results: strength to endure another winter, the comfortable illusion of a day made meaningful, or enough careful hurt to justify an hour in the sauna or steam room.

In the pool, my wife plows lap after slow lap, breathing in, stroke, out, stroke, in, trying to remember to relax and push at the same time, each hand cupping water like a spoon, pulling along her body, past the swelling keel of her abdomen, and releasing at arm's length to reach through air to stroke again until she touches the wall, turns, pushes off in the same, warm water.

AMNIOCENTISIS

A sonogram shows the skeletal fetus curling safely above, more completely formed than I had imagined. A thin, elegant needle slips smoothly through her skin just above the pubis while gloved hands attach a vial, tap firmly, twice, and amniotic fluid pale as chenin blanc fills the cylinder. The needle slides away without even a spot of blood.

My wife closes her eyes, leans her head against the wall of the small, blue office and exhales a slow breath. Today she taught three French classes, two English and will teach until early March, shortly before we finally become parents at 39 and 44, surprised by simple addition.

"Still hoping for a girl?" she asks, thinking of my brothers and nephews. I say yes mostly to please her though I secretly refuse to wish for what I cannot control, like praying rain for spring wheat or sun for the picnic. Difficult enough to practice acceptance, relish change at any age or try not to fear a July storm hailing half the harvest flat in minutes. The doctor glides in, smiles congratulations, and hands us the lab report, twenty-three pairs of spiraling hieroglyphics which determine intelligence, health, hair, whose nose, but mean nothing until I see the last X and Y.

Peggy looks to the doctor, then me, and I realize for this language she has no Rosetta stone, or simply wants to embrace all possibilities a few seconds longer. In the brief space before words, limited but enriched, I mourn a daughter and celebrate a son.

I cup private knowledge in my hands like a flame, breathe the fire larger, toward her, "boy." Let Me Give You Some Background

My friend Tom tells every story from the beginning, understands talk for its own sake, and feels a whisper of loss when my restlessness begs a conclusion. He knows what many women and some men know, that words work long after meaning, touching what philosophy and fact can not.

My impatience is a hound that wants to run, fetch a stick, tree the cougar, get to the point when he tells me more than I need to know. But I am learning to appreciate a caress of voices that lingers like an embrace instead of a handshake, that means as much as coyotes calling along Thompson River in September, my wife retelling her blue day, or Tom's elaborate accounts of each marble step climbing to this long hall of Hellgate High School and the way people live together. Five Lilacs for Glen

This morning I pulled down a high branch on my lilac bush and broke off five sweet blooms that now purple my room with scent.

I walked to school wrapped in spring, lilacs in one hand, the whole blue sky and Lolo Peak in the other. I found your note on my desk.

Glen, I can't accept an apology if I can't remember the offense. Maybe if your pointing hand bloomed lavender lilac I'd have remembered

the gesture. Your words are friends and sound sweeter than any finger point except the glorious branch tips of spring that shout lilac, lilac. Resurrection of the Artist for my mother

You do not remember collapsing on the floor

of the Fred Meyer variety section, so this is just a story

told and retold by friends, sister, and sons, like a legend

of death and rebirth you believe because your cracked ribs

still ache. The young grocery clerk pounded blood to your brain

four minutes before paramedics arrived with the shock cart

and insulted your tired heart to beating again. You woke

protesting, strapped down, tubes attached to each bruised arm.

"Why am I a prisoner, " you said. But you have forgotten this, too,

as though some kind thief had cut all power and in the quiet

dark, entered through your ears to steal five days of hospital beds,

nurses, roses, and chrysanthemums, your room a scented palette

of color and bedside concern you felt but couldn't find names for except

as figures in a Rivera wall mural defaced by revolutionary violence.

Healthy enough now to sketch all morning, you paint spiraling mandalas in blue:

cobalt, prussian, manganese, cerulean between viridian and burnt sienna

on taut canvas, opening each day like a gift of landscapes and portraits

brushed three dimensional in time almost lost, like a seed lodged

in the corner of an envelope, saved and planted when April

warms earth for another circle of colors around the sun.

From England 1985

to Jeanne

The terrible surprise, the betrayal by your strong heart hurt almost as much as hours of pain before you knew you'd need help to live. So you live.

A water color week of doubt, drugs and hope washed you new and ready to go home. Free of obligation and ambition, you learn to rest, paint each day, walk yourself healthy.

In London, I imagined your voice, your firm hand dabbing canvas blue. I felt farther away than myth or dream and rowed a hopeful boat through nights ringed with rocks and doubt.

You're blessed by change, though not comforted. You grew with us, after Dad died, and now you'll grow again, without chores and errands and debts every day. Take time, accept

all the help that's offered, just paint and love. You're good at both. In spring I'll show you London, Paris, Florence. Keats said, "Beauty is truth, truth beauty--

that is all ye know on earth, and all ye need to know." He almost had it right. Add love. Teach, learn, love: we all will. That's the beauty of it. Love, Robin. April Seventh, For Chris

In Montana spring is only fat buds weeks away from open but I imagine you on your birthday Brother kneeling in your Seattle garden digging away the office pressure arms swinging a planting rhythm moist ground warm and heavy with smell of leaf mold and a warm wind familiar as touch, rich with smells of early hyacinth and pear blossoms announces your birthday number forty

echoes green through new leaves a bell-like reverberation shivering the hair on your neck.

The surprise you feel stands around you, tangible as a shopping mall or the new banks that may earn you partnership or at least a good bonus.

I see you pause

sit in the red garden chair your hands on the arm rests like a gymnast on parallel bars ready to straddle press into a handstand, then swing down between bending bars and up, tucking somersaults to stick the landing. Whose body do you wear now and what connection do you feel with the lean 17 year old tumbling clean routines and perfect toe-pointed form

to 2nd place all-around in the state

though Dad was too embarrassed by praise

and too untouched by his own whiskey father to tell you what he bragged about to friends?

Maybe the seeds of cancer germinated then, fertilized by beer, a smoldering pipe and the anger that sometimes ran through the fingers of his controlled fists like water he swam so well

anger at life that failed to appreciate how far a Montana boy has to travel how many battles survived in Normandy or high school classrooms before retreating to a climate he understands

anger you let evaporate

on flower garden afternoons or burn away with a bike ride on winding trails anger that rotted him in a cool fire summers at Flathead Lake couldn't extinguish.

You escaped to rock bands, Bozeman, architecture, Calgary, finally Seattle, where you grew up settled down, married, and learned to dress for success, where you live comfortably by Lake Washington and swing confidently through a career linking form and function like fine tools that fit your hand and make work easier. You know how space molds people and distance

separates brothers. We lost you for two years through loving neglect but you worked your way back and rebuilt the family on the concrete foundation of yourself. I love how you've learned

to value the human in your work

the way I loved and envied the giant swings you looped on high bar, scooping air and building speed for the release of secure steel, twisting free and high to land on soft blue mats, feet planted, hand raised to judges. Summer Session 1980 for John Hunt

I heard all words true or not in time to remember the flattery of imitation, density of words black between lines. I saw myself walking pale July dawns toward a long hallway whispering philosophy, theory. A new song echoes the wall of trees along the clear lake, bats of summer evenings lurching through dusk with the blind desire of insects, cold water vomiting smooth gravel on a private beach.

Do you know why clay holds its shape, reflects spinning tension? How three needles in a bunch attract thunder? How the color of good wine rhymes with time? Let the committee decide if the rainfly is necessary, if the fish will bite.

You know you have to run, that competence is the exception, rewards rare. You still believe people matter. You repeat it like a litany every day. Students can learn to trust the ground that shakes the theory of touch. The Lost Son

Terra cotta tiles reflect Heat from pastel walls To a patio Where two older children Feed cans to a goat.

A quetzal glides magically Through the green jungle And lands on a lawn In Sacramento, crying Fear of B-52's.

The third son releases bees From jars to attack Blue-green feathers Until the bird dies, flapping Wings on sandy ground.

The captain, father of sons, Sings their quick retreat To stark Montana, Far from oceans, desert air And flying insects.

His older boys build snow caves And fight over ice Crystals. The youngest, left alone, learns to hoard grief Until he burns cold

In his bed, dreaming of days When sun shines on him Alone. His hands grow Blue steel and carbon fibers, A machine quick-forged Of oil, gears, flame. The boy runs West to the sound of Water, builds models Of a man he wants to be when his name matters.

Ten years later he returns To bury parents And fight his brothers For the right to sharpen knives And teach the children

Who know his name. Horses graze In a brown meadow And even the deer Accept him. Years of neglect Settle in fingers

Of his left hand. He instructs Children to cut them Off with knives dry-honed On fine stones. Rage disappears. He holds them all close. Stalking the Competition

Every Decision

A cow elk lunges through dim November morning, uphill across a road and between black trees,

barely disturbing two feet of new snow. You start tracking, rifle heavy in gloved hands. Your partners

are miles away, circling to where they don't know you will be. Each muffled step is slower than heartbeats or cold

that reminds you how you are foreign, vulnerable. Twenty years ago you rejected the arguments of violence, swore

not to kill for anyone, even your country, protested jungle deaths more remote than democracy.

Now, after fifteen years of teaching and poetry, you stalk an animal elusive as doubts. Absolutes mean less

than how well something is done. On a ridge above thick spruce you see where she rested, her head

and one heavy ear outlined in snow. Half a mile later she paused again to browse tender willow, then ran twenty yards. She may have heard your delicate steps, smelled wool or man, and chewed like cud an idea

that must keep moving or die. You wonder how long you can listen, breath held, and look for a dark back against

green and white. Is it more honest to kill your own meat? You promise to waste nothing, thank whatever God understands

how man and animal depend on random death for meaning, a reason to continue the repetition of step

pause, step, pause until you know that you can do it, can pull the trigger, see her leap

suddenly sideways, run ten quick yards, stand half hidden, listening, bleeding, until the second shot

drops her heaped brown and quiet. All winter, this wildness will feed you in your warm house.

You will remember cold hours, hard curve of knife, steaming guts, long pack out, and two echoing booms

that stab the quiet confidence of every decision you make.

Morning Run

Shivering despite stocking hat and gloves, I run along the Clark Fork River trail, over frost shadows of aspen and pine. Seven miles later I sweat up the hill from Toole Park, and ahead of me, head down, shoulders hunched in thought or daze, a figure in blue jogs slowly toward town. My wife runs too, and tells me how her heart accelerates when she hears a faster runner pounding behind her, so I stay on the other side of the street.

But the woman hears steps or my breath rasping each stride, stops, turns, her fingers fragile bars over a startled mouth, and her eyes echoing a scream that hits me like a fist. I lurch sideways and hold my palms up and try to look harmless, smaller. "It's OK, OK," I say, unsure how to undo centuries of arms and knees muscling women open, nights or streets made dangerous by the hungers of men.

She gasps to scream again but her eyes discover soft October air, fresh snow on Stuart peak, orange leaves at her feet. The echo of her voice fades like frost in weak sun.

We stand a moment, the whole street between us, traffic gurgling across the Higgins Street Bridge, and we both apologize, not quite sure why. Then, as if nothing had happened, she turns and shuffles west past the intersection. I turn left, and all the way home, dead leaves fall like small birds stunned by cold. The Butchers

A rounded wedge of dark muscle still anchored to bone lies before me on the scrubbed plywood. I hone my knife dangerously sharp. "Thanks for helping," Ken says, social studies teacher and hunting partner as he hands me an apron. I trim yellow-white fat and filmy membrane from seams between muscle groups while he describes the hunt and the long drag out: "Five miles, mostly downhill, but cold and two feet of snow." Beneath the words, like bone beneath flesh, I hear awe and apology moving together.

Near the scapula I see where a 30-06 lamed the elk before the last killing shot, remove white fragments from shattered meat, save the worst for dogs, the rest for burger. "I wish," he says, "every kid who thinks war is patriotic could see what a bullet does." I carve one large section into beautiful, lean steaks, arranged and wrapped in shiny freezer paper.

We warm our hands, sip beer, and I admire the antlers, nearly twenty pounds of phosphorus and calcium carried for no other reason than rattling aspen, alder and small pines, trumpeting the right to mate. If all men hunted and became the animals they consumed, they might cast off old beliefs as often as elk drop antlers, suddenly light-headed in spring. All left with raw pedicule stumps for a few days before soft velvet begins to form, based on another year's experience. But no, the new rack is bigger, just as hard, with more points, and every fall, the woods fill with hunters. Racquetball for Chip

I'll admit I enjoyed winning close three times last week. You compete as lovingly as I do

and understand why I contest each point, even in the third game. Two days later

I'm still stiff. At 43 I recover slower. I wonder how many fast days I have left,

how many quick steps before I lose speed, flexibility, the chance to win a close match.

You know how sport can make us, on a good day, feel fast and alive. Smacking concussion of ball,

strings, and wall echo after each point ends and we meditate in the square, white silence.

This week we'll play your court, a bounce you know, how high the ball climbs the back wall.

Vary your serve, lob or Z, and make me compute another acute angle, double the abstraction.

And smash a few right at me, the hell with touch. I'll be calculating possibilities and hit weakly

to your strength. The few I get will make me feel fast and young. I'll settle for that, even losing. Mountain Lion Dialog

Rifle balanced loosely over my left arm, safety on, I muffled through new snow in slow, uneven rhythm, scanned the lodgepole mountainside for movement,

a horizontal line of backs among black trees, or mule deer ears sprouting like huge leaves from a slender stalk. On Thanksgiving morning, alone with the warm cloud of my breath,

weak sun loosening snow from branches, I heard irrregular soft falls hitting like fists in fat gloves.

A new sound, like tearing paper or guttural wind, and close,

twisted me toward it. A mountain lion crouched ten feet away, waiting perhaps for me to jump, deer quick, exposing a long neck to his hunger.

Imagine waking,

stomach sucked up to backbone, restless, to stalk open hillsides and brushy creek bottoms for deer scent, the weak, careless, or young, and hurtle the last long yards to land

snarling on graceful shoulders like a stone wrapped in burlap. A cougar in winter must kill every seven days, gorge and return until only scapula and ribs remain. The black-tipped tail twitched.

Too scared

or proud to run, I stood in the frost air on his ground and counted my chances. He rasped a cough and lifted one padded paw

so I, the bigger animal, roared back-my first error.

He stepped closer, stopped, and until that moment I was his, but I thumbed the safety off, waved

my rifle and backed away--another error. Encouraged, the lion oozed forward. I aimed, braced for tumbling contact, claws, and resorted to language, clearest English:

"Go away! I don't want to shoot you! Go!" Confused by such diction in a clean forest, the puma epiphany circled once and slipped into woods,

bored by conversation or the game. Still tracks marked the snow around me and I exhaled a tight breath, my pulse thudding the wild air.

Marathon

At the starting line You look for calm beneath deep breaths and long stretches but your body beats alive beyond control. The gun spills caution and adrenalin dictates pace faster than strategy. Fight for a second wind, don't think of distance, only the leap through space leaving every step behind.

At five miles your body breaks through to theories of perpetual motion. Your mind, transmigrant, floats free and remembers why: air is only important when you run gasping to the end of it.

One foot shadows the other, passes, is passed. Thighs lift and stretch, feet slap ground in a primative rhythm that rings hurt to an inner ear, pumps blood new red to smallest capillaries. Muscles discover ancient truths.

At fifteen miles you look for meaning to outlast reasons. Some racial memory hums across a landscape old as lies where a man runs because he must, where swift motion wins food, safety, life another day. Your mind drifts to shorter times. After twenty miles only structure, burning pale, is left to fuel motion's demands. You wonder what necessity makes you choose to hurt this much. Run on will and begin to know that without pain would be without meaning. Look into every small corner of your inadequacy and see it feeding greedy on itself leaving, at last, the heart, a kinetic miracle beyond your control or reason. Love this steady wear, essential motion, because it is yours.

Skinning

The deer hangs in the dark garage, front legs frozen stiff in mid-leap. I open the door, pause, hold my breath, as if noise might startle him. Touching the fine stiff hair, hard curve of antlers, delicate hoofs, I remember the mountain where he died. My wife helps with the skinning. "I'm glad," she says, "you put his tongue back in."

We work together. A line through hair tipped white follows my blade around the neck. Peggy begins to peel hide from solid red muscle, amazed how loosely skin surrounds a body, how much pain and death sustain us. We pull down, touch knives to translucent film between hide and flesh. Naked shoulders, back, and ribs appear. A small hole behind one shoulder echoes a bloody smear on the other flank. No meat wasted.

My thumb touches cold fingers around each thin leg as I cut skin loose at knees. Three black ticks still burrow close to the body under the left foreleg though live warmth whispered away days ago. Even the long cavity from neck to pelvis gapes cold. Thick pads of tallow around the hips make skinning harder. I cut the tough fiber on hamstrings and hang the hide to dry. The carcass is no longer deer, just bone and meat. In the house we wash dulled knives in warm water and our numb hands touch. Triathlon

1 Some call it escape, selfish, vanity but I love this celebration of human power, internal combustion of carbohydrates instead of petroleum, no stock cars, snowmobiles or monster trucks. iust rows of delicate bicycles arranged for take-off, arcs of wheels and handlebars echoed two hundred times like a huge cornucopia spiraling away to the green lake. All around me lean bodies move purposefully, like lazy cats hoarding energy, clothed in colorful skins designed to slip through air like fish in current. At the very least I can hold one aging body together and wish I could learn how to burn the fat blocking flacid arteries of a country marble sure of its right to consume every tree, ore body, fertilized field, even air in the race for Gross National Product.

2

Red-capped swimmers flock at water's edge like ducks, then explode across the lake, arms flailing to the far shore I stroke and breath toward forever, unable to think beyond my own buoyancy, the rush of cool motion around me, beneath me, until sand grates under my feet and I run on unfamiliar legs to my bicycle where I change skins, evolve into a black-helmeted piston hunching a sleek frame and thin wheels dizzy around the course, pursuing what I love, not winning, but the leap through space that says any action is better than doing nothing in the shadow of mountains that can't hide missiles bristling security and plenty among fields of hard red wheat.

3

Thousands of revolutions later I abandon the bicycle, exchange cleats for soft shoes, stagger tired legs to a different rhythm, run as though it were important to prepare for a time when oil wells bubble dry, when Safeway fails to satisfy basic needs and electricity flickers out, when legs are the only vehicle that can pedal me warm to work or to my mountain refuge, an enlarged badger den below a talus slope. Sometimes ten pounding miles is less painful than news of rape two blocks away or a car bomb in Palestine, dull television gameshow afternoons, a bridge game or a stadium with ten thousand people cheering a few high-paid athletes. My warm-shower mornings need the bite of a particular muscle's hurt, a connection to the history of human endurance, the pain I chose to sharpen convenient push-button days.

Recipes For Teachers

My Week to Cook

Pale liquid bubbles and a bouquet garni floats in the stockpot. Carrots, onions, and celery soften around a turkey carcass another hour before every sweet pocket of meat slips from breastbone and back. I pour off clear stock, skim fat, save the small corners and feathers of flesh, add rice, pepper, a thumb of Indian curry, and set it all simmering thirty minutes until dinner. My wife abandons student papers, follows her nose to the table. Her compliment: "I don't trust a man who doesn't cook."

Ten years ago when I first heard that bias I thought it silly. What about humor, skill with wood, numbers, paint? "A man is as good as his bechamel." How could a woman ignore strength, security, adventure, biceps? The answer: Ockham's razor. My wife says no other rule is easier, more dependable. A man who cooks, she says, understands the history of kitchens and the women who occupied them in all seasons. The shopping, too, selection of bell pepper, ripe cantaloupe, cheese like God's feet, or spices for stew fosters sensitivity that is hard to fake. A woman can love and forgive a man who cooks well.

If he cleans up afterward, tucks each spoon, leftover and saucepan home, it is no act. Anybody can taste, enjoy a meal, gorge, but someone who has rubbed garlic into chicken, kneaded bread, or arranged paella can truly nourish, and love the result the way women love their children and refuse to send them to war. Autumn on the Great Plains

Remember the lonely quail woman whose hands mix feta cheese and small birds lovingly, her wrists twisting like waves of soft copper echoes. Bald October

dances wheat dreams she hears at dusk and her ash eyes compose the sky. No stars hesitate. Musk candles burn shorter on the pine table. Believe months

of walking toward home will end. Imagine ripe apples and wine. Watch how her elegant breasts appear at the window of a church open to an autumn of singing. The Domesday Book, 1086

Fire smolders under a pot of boiled grain hanging over the hearth and day repeats a wet, grey litany my husband endures since he won this land, me, and five thousand sheep on a foggy morning near Pevensey, charging uphill through orange beeches and killing three men defending their blond king who also died, a Norman arrow in his startled eye.

My first husband died the same October, his estate forfeit, so I won this knight to my bed and marriage folded us together, separated by language, joined by conquest. Twenty years later he calls orders to the shearers in English blurred by the lilt of a language shaming native speech to shadows and fields of dirt and dung. I keep his house and raise his dark children in cold comfort despite the wool robes on our beds and tapestries lining walls.

I wish another great star would freeze the sky for weeks, water become bone, a new champion march across the sea bringing a new son to kill the King in his drunken castles, and burn all the maps and deeds that spell my race in bleeding knees and unrecorded tongues. Learned Helplessness: The Seligman Experiment

- Dogs in group A receive a mild shock that ceases when they push a panel with nose or paw.
 Dogs in group B receive the same shock but no action they take will stop the shock which stops only when a dog in group A pushes the panel.
 Dogs is group C receive no shock.
- All dogs are transfered to shuttleboxes (large boxes divided into two compartments by a low wall) and shocked again.
 Dogs in group A jump the barrier and escape the shock a few seconds after it starts.
 Dogs in group B whimper and lie down, although the shocks continue.
 Dogs in group C jump the barrier and escape the shock.
- 3. Substitute human volunteers for dogs and noise for shock.
- 4. Results: two of three people in group B give up, endure the noise.
- 5. Conclusions:

Helplessness is more than punishment and reward. We learn to accept pain. We can learn to stay in an unlocked house.

According to the director

of the domestic-violence program, Sarah Reilly "was doing everything right," but her husband Joseph rented a car in Coeur d' Alene, drove to Missoula, and waited in the parking lot of the Southgate Mall for his wife to leave the first job she ever had. "She's my wife," he said, and shot her three times with a 9mm and then himself. I sit on the shore of Swan Lake, hear birch leaves blown brittle from trees and see them flutter into deep water, then drift slowly toward the grey foot of the lake and ten miles of white water before spilling over the dam past Bigfork and into Flathead Lake, more rivers and dams, through the wide mouth of the Columbia to the brackish sea. Entelechy

Cold milk wind whines through the old osier in a parabola of thin branches. Last year's thistles

bang dryly against the garage. First flowers, crocus, hyacinth, tulip, rinsed by rain,

shout a soliloquy of red and violet at indelicate air. Small bright birds retreat from the late blizzard

to thick branches near the willow's heart. April snow hisses horizontal and accumulates

like piles of rice, white among iris leaves stabbing upward, early season scimitars.

Tomorrow sun will erase a last scrawl of winter and green enforce the theme of spring. Teaching at Gayton High School, London

For six months I have been trying to teach Daniel enough to pass the O-level test he knows he will fail. He liked me for the first three weeks of school, asked questions about Indians, Yellowstone Park, and loose American girls. At sixteen he can play charming, ingratiating, even polite, "Yes, Sir," in his blue school blazer, striped tie, and official gray trousers. When I read Lennie, "Tell me about the rabbits, George, tell me about the farm," he listens like an honors student. But he will not write, will not think and write, will not shut up, and disrupts a class as ruthlessly as a terrorist.

Today his own anger surprises him. He throws a pencil hard across the room, swears out loud, "Bloody, fucking paper." kicks over his chair, and stands at the back of the room thudding the soft outside of his fist against rotting plaster. Prashant and Graeme cheer. Michael cowers. and I ask Daniel to stay after class. We have talked before. But this time I indulge my anger in the British school tradition, tell him I don't care if he fails, I have never known, in fifteen years of teaching, such a nasty, inconsiderate waste of an intelligence, I soon return to Montana where even poor students have the quiet dignity of someone who keeps his family warm all winter by cutting, hauling, and splitting dry larch or kills an elk each November to fill the freezer, I don't care if he doesn't do another piece of writing for the rest of the term, I won't bother him if he sits in the corner and sleeps.

but if he continues to make it impossible for anyone else to learn or speak I will throw him out of class and make sure he never comes back.

He is stunned. For the first time I have earned his respect. This is how a teacher acts. He mumbles, "Sorry, Sir," and for two weeks he is quiet and cautious, even composes a letter for his thin portfolio. I have learned something about failure, authority, class, empire. We despair. Driving the Swan Valley in March

West, the Mission Mountains sharpen gray shadows and hide high lakes. East, the Swan Range hoards snow

in granite niches for summer streams, reflects short orange waves of evening light. Below treeline geometric clearcuts

glow white among darker forests, variations of rectangle, trapezoid, and obtuse, blunted triangle, empty shapes

connected by strips and huddled islands of trees marked for future harvest. In the highway barrow pit a deer carcass

disolves in ribs and fur, winter road kill, exposed as plowed snow melts. Ravens erupt, circle, and return to carrion coyotes ignore.

In a field near Beck's road two boys hump their snowmobiles from fence to fence, leave a blue stink in fading light.

Downstream toward Swan Lake the river flows wider, swells, and bulltrout bludgeon their way upstream to spawn, gorged

on smaller trout, whitefish, sculpins. This year eggs laid in Jim Creek suffocate in sediment washed from bare logged slopes. Long-stemmed beargrass thrusts upward toward June and flowers like white clubs when water will crest, flooding, then ebb.

Tonight, my headlights find bright deer eyes and brake lights flash, hooves slip on asphalt, white tails disappear in growing dark. Manifest Destiny

So many arguments build on concrete slabs the passionate speakers call rights, tons of gray conglomerate

displacing sagebrush, fescue, manzanita, wild oats, the winter range of mule deer, a healthy herd thinned

by Kennworths, Toyotas, and subsistence hunters who leave steaming gut piles near the eighteenth green

unplayable four months, snow crusted and tracked by suburban neon country skiers

whose successful pursuit of happiness lies distant from wild mountains viewed through clean glass of cathedral vaulted rooms

where no baby can be conceived in poverty, neglect or infection scabbing eyes blind at birth, abandoned

beyond an asphalt cul-de-sac for coyotes whose rights are where they find them in every city

from Boston to Los Angeles, encouraged, fattened on well-fed schnauzers and garbage so rich the landfill burns deep into the twenty-first century when everyone's rights born or unborn, black or female, will be measured in teaspoons of crude oil

and the lifespans of winged insects who cannot survive on the carcinogenic sweat of a race secure

in its own inalienable privilege, its children dying within the impregnable walls of islands like fortress America

where all survivors are free, equal in fault, skins thickened by genetic engineering, united in Patriotism. The First Mathematician.

Last year I invented the zero to prove nothing sometimes counts. This morning I finger my abacus and glimpse a flash of blue through a rift in the pervasive clouds. blink as it vanishes like an oddly timid jay into thick brush. A new concept, infinity, blossoms like an exotic flower in the safe dark behind my eyes where I live. "Flight," I think. Flight will show me where parallel lines never meet. Wings grow from my small white shoulders; when my feet leave the ground I am afraid. Sudden hunger for a sun I scarcely remember urges me higher, faster. The speed of my ascent pull my eyes into my mouth.

From thirty thousand feet clouds hang low and dull below me, horizons diminished except for the next sad storm even jackals hide from. A huge swell of ground curves west in haze, beyond theory. Neat geometry (the word is new, my mouth trips on the sound) arranges itself in circles, arcs and rectangles all the way to the sea. Suddenly mad, I curse the farmers. "Fools. Ingrates! Why haven't they told me about the lines, angles, and shapes pregnant with meaning? Me, who taught them how to count more sheep than fingers, how to add their debts and subtract the bad years." I substitute new figures into the old formula for gratitude. I discover how ratios in proportion indicate more and less equal relationships, different as people, more manageable than children.

I do not feel tired. I calculate loft, vectors, drag and plan to fly forever. Something on the ground keeps pace with me and I am startled until I recognize my shadow. I watch fascinated how the darker self below proves the lines of light. the way the sun bends the shine of stars older than stone. Pressure of so much knowledge forces a yawn. My ears pop. The shadows of what I don't know are longer than I had guessed. I want to know more. I fly away from land toward water's end until I realize the color of infinity is blue. The sun beats on my shoulders and my shadow follows; I see it, him, me, moving exactly beneath the waves. Water whispers in a language older than figures about the explosive singularity of birth.

Later, days, months, years, I don't remember, as though a dark hole swallowed all time, barefoot men in fields stop behind plows at the sight of my small shape growing nearer in the eastern sky. The strong certainty of my flight, my bronze skin, scares them. "Mathematician," they shout, "don't you remember?" I do not reassure them. When I land all clouds evaporate. A dark-haired woman hands me three golden braclets.