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New Earth Politics

Essays from the Anthropocene

Edited by Simon Nicholson and Sikina Jinnah

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For our boys: Liam, Lyosha, Julien, Zia, and Ash.

For you shall inherit the New Earth.

Michael Maniates follows with a chapter on hope. Many of us enter our learning and teaching about the environmental condition with a desire to find or instill hopefulness. Yet as Maniates argues, an urge to “teach hope,” as though there is a step-by-step guide to a hopeful orientation, can be counterproductive. Instead of reaching for trite, rote responses when students ask, “How can I find hope?” Maniates urges his fellow educators to adopt a new pedagogical orientation, focused on exploding what he calls “hope-diverting myths.” Maniates’ identification and unpacking of a range of myths and misconceptions about the environmental condition, effective social action, human nature, and the possibilities for large-scale change will provide much grist for classroom discussion, in addition to serving as a challenge to all of us to give deep consideration to the assumptions we make about life on the New Earth.

Studying and teaching global environmental politics is, by its nature, a difficult undertaking. *Difficult*, though, does not mean “bad.” Litfin and Maniates help us understand that hope ultimately comes not from averting one’s gaze from the severity of the challenges that lie ahead, but rather from fully embracing them and working out how to respond in meaningful, effective, and deeply humane ways.

Framing Questions Posed to the Authors in Section 3

- What are our obligations as educators concerned with environmental matters?
- With what intellectual and other tools should our students be equipped?
- What is the current state of environmental education? Is it appropriately oriented to the contemporary environmental condition, or is some course correction called for?

in Simon Nicholson and Sakina Jinnah (eds.) *New Earth Politics: Essays from the Anthropocene*. Cambridge, MA: MIT Press, 2016.

5 Person/Planet Politics: Contemplative Pedagogies for a New Earth

Karen T. Litfin

Stand still. The trees ahead and the bushes beside you
Are not lost. Wherever you are is called Here,
And you must treat it as a powerful stranger,
Must ask permission to know it and be known.
—From David Waggoner, “Lost”

In recent years, those of us who teach Global Environmental Politics have watched enrollment in our courses skyrocket. When I brought this course to the University of Washington in 1991, I was lucky to have 15 students. Enrollment in the same course today is capped at 150, a tenfold increase that is fairly representative of our subfield. While we global environmental politics scholars might feel gratified by the growing popularity of our courses, we must concede that this trend is driven more by the urgency of the issues than our talent and charisma. Given this mounting urgency, it behooves us to consider what we are actually teaching. Any student who completes our courses—and most other environmental studies courses, for that matter—can recite a litany of crises that together comprise an unfolding planetary megacrisis: deforestation, collapsing fisheries, freshwater scarcity, the mass extinction of species, climate change, and more. But what deeper messages—the ones they will remember long after the final exam is over—are they internalizing about how to live on a “new Earth”? As Michael Maniates so cogently prompts us to ask in the next chapter, does the knowledge we convey “make way for hope,” or does it elicit fatalism and paralysis?

Over the years, I have come to the conclusion that a purely cognitive approach to global environmental politics tends to engender the latter. Observing my students’ faces go blank or glum during my lectures, I realized that I needed to somehow bring the material home for them. Otherwise global problems and international treaties run the risk of

seeming too abstract and remote, rendering effective responses seemingly impossible. I also saw that “bringing the material home” required making my 100 to 300 student lectures feel more intimate. At one point in the late 1990s, I learned that a group of my best students was meeting on Thursday nights to get drunk together. According to the student who informed me, “It’s just so crushing that we need to put our minds in a different space. We do it together because it’s better than being with this stuff alone.” I felt simultaneously chastened and intrigued by this extracurricular exercise in emotional catharsis and community building. I soon vowed to teach global environmental politics not only as something happening “out there” but as something happening “in here.”

Witnessing my students struggle with fear, anger, grief, despair, and guilt (and, I should add, wrestling with the same dark emotions internally), my first step was to acknowledge their inner lives. In a lecture hall, this might mean simply asking each student to offer a one-word response to the day’s material. “Taking the classroom pulse” came to mean a cascade of heartfelt words switchbacking their way down from the top corner to the bottom corner of the room. In three minutes, we could hear two hundred words running the gamut from *overwhelmed* and *hopeless* to *amazed* and *grateful*. Invariably this torrent of words would end with a pregnant pause, a moment of focus far more potent than anything my PowerPoint slides could evoke.

These initial forays into contemplative practice led me to develop a plethora of pedagogical approaches oriented toward the student as a whole person, not simply a disembodied mind. The core question of these in-class exercises is, “Who am I in relation to this?” In some cases, this means having students keep a journal; in others, it means offering guided meditations about course material; in yet others, it means articulating emotional responses to lectures or readings. Some of these experiments were spectacular successes and some awkward failures, but over time I saw the value of this approach and began calling it “person/planet politics.” I have even come to suspect that a significant cause of the unfolding planetary megacrisis is the human mind disconnected from the full-hearted and full-bodied life.

Both my confidence and my competence got a big boost in 2009 when faculty from colleges and universities around the Puget Sound came together under the auspices of Curriculum for the Bioregion to study contemplative approaches to sustainability education. Although we hailed from disciplines ranging from poetry to the information sciences, we were united in our commitment to holistic education. This meant engaging our whole selves—mind, heart, body, and soul—not just in our teaching but in

our daily lives. From our first meeting at the Whidbey Institute, a conference center working “for Earth and Spirit,” we shared our classroom experiences along with good food, poetry, and music. We found common ground in our sense of the profound value of this work alongside experiencing ourselves as iconoclasts in our fields and at our institutions. That core group of about twenty scholars grew into a dynamic learning community that has shared its collaborative work in an online collection of classroom practices (<http://serc.carleton.edu/bioregion/index.html>), two conferences (2012 and 2014), and a forthcoming book of essays.¹ I have benefited tremendously from the originality and collegiality of our work together.

This chapter draws on my nearly twenty years of teaching person/planet politics as well as what I have learned from my colleagues in the Curriculum for the Bioregion initiative. The first section offers a rationale for contemplative pedagogical approaches to higher education in general and global environmental politics in particular, highlighting the profound and underappreciated value of “the pause” in our harried and distracted culture. The second section, which explores the affective dimension of contemplative pedagogical approaches, makes the case for working consciously with the dark emotions—fear, anger, grief, despair, and guilt—elicited by the subject matter of global environmental politics. The third section focuses on somatic experience as a gateway to a genuinely creative response to living on a new Earth. As literally being of the Earth, our bodies offer a window into the self-awareness, creativity, and sense of sufficiency that may well be the cornerstone of a sustainability culture. In this context, the intersubjective space of the classroom serves as an important counterbalance to the inwardness of contemplative inquiry, which otherwise runs the risk of fostering a tendency toward self-absorption. I conclude by framing each of these domains of contemplative pedagogy—“the pause,” the emotions, and the body—in light of the question of personal resilience and how we might assist our students in sustaining themselves for the long haul. The developmental challenge for young people coming of age at the dawn of the Anthropocene is beyond what most of their instructors have had to face. As a consequence, those of us who teach global environmental politics are now called on to step beyond our traditional role as instructors into a more profound quality of mentorship. For this, we must come to see that sustainability is, as much as anything else, an inside job.

“Don’t Just Do Something, Sit There”

The mounting socioecological multicrisis looms as the problem of all problems. Consequently our global environmental politics courses tend to focus

on the many tentacles of the crisis, lightly seasoned with a few success stories like the ozone treaties. The overarching message of our courses is often one of urgency and alarm, although this message is increasingly tempered by solutions-oriented research and hands-on learning experiences. This makes sense: we certainly want our students to be good problem solvers and, given what they are learning, they are hungry for solutions. Yet, reflecting the larger culture, they gravitate toward individualized solutions. The "solutions" abound: Go vegan! Shorter showers! And for the technophiles: Electric vehicles! Algae biofuels! Geoengineering! For the few with a stronger political bent: Cap and trade! Carbon tax! Reform the World Trade Organization! The strong propensity of the human mind when faced with a problem is to generate solutions—all the more so under great urgency. Yet the problem with acting on a fix-it impulse to the wicked problems that characterize global environmental politics is that many offered solutions are too partial or end up generating more problems. Inadequate solutions follow inexorably when we fail to truly understand the deeper nature of a problem or the unintended consequences of our actions.

Nonetheless, every good teacher wants to help students learn to approach problems in general, including global environmental problems, with self-awareness, focus, patience, discernment, empathy, integrative thinking, and imagination—none of which is likely to be enhanced by a fix-it mentality. Indeed, the rush to solve a problem may well be a defense against the discomfort of not knowing inherent in taking the time to see deeply its genesis and character. Problem solving generally begins with a period of open-ended receptivity in which one simply takes stock of the problem. Seen from this light, contemplation takes on a more practical hue: the more complex the problem, the greater the need for stepping back and taking stock.

In many ways, the Anthropocene presents us with the problem of all problems for the following reasons:

- It was a colossal accident.
- It is a consequence of the everyday life choices of over 7 billion people.
- These choices are strongly driven by an amalgamation of psychological and institutional forces with deep historical and even biological roots.
- The everyday actions of a few of us are far greater drivers than those of most us, but our lower-impact members are quickly adopting the habits of the affluent.

Taken alone, each of these factors presents a conundrum; taken together, they cry out for deep inquiry into the peculiar place of the *anthros* in the

scheme of things. The dawning of the Anthropocene seems to compel us to ask ourselves not only, "What on Earth are we doing?" but even more fundamentally, "What on Earth *are* we?" If nothing else, the new geological era highlights our species' paradoxical relationship to the rest of creation. While these questions can be illuminated by the social sciences and humanities, so too can we investigate them through personal and interpersonal introspection. Our complicity in the Anthropocene implies that each of us must answer the question, "Who am I in relation to this?" Whether we as college instructors are sensitive to this implication, we can be sure that if our students are not asking this question of themselves, then they are, along with much of the culture, engaging in some fancy footwork to evade it. The very magnitude of the problem and its undeniable biophysical dimensions tend to transfix our gaze outwardly, yet coming to understand the *anthros* must surely also entail looking within.

Many environmental studies courses, including those focusing on global environmental politics, introduce students to a big-picture formulation of "the problem" by means of " $I = PAT$," where environmental impact (I) is measured as human population (P), their level of affluence (A), and the kinds of technology deployed (T) (see Ken Conca's problematizing of this approach in chapter 1). When students come to see that the average American consumes as much as fifty sub-Saharan Africans and that the acquisition of more energy-efficient technologies typically leads to higher levels of consumption, they soon recognize that the A factor is the crucial variable in the equation. This is not to say that curtailing our numbers and using more environmentally friendly technologies are unimportant; it is only to say that any gains from these measures are likely to be, and currently are being, swamped by the apparently insatiable A factor. If globalized, a process that is well under way, the American (Canadian or Australian) lifestyle would require six Earths.

We might therefore conclude that consumption is the primary problem, but this begs the larger questions of consumption's deeper political, social, economic, and psychological roots. Many global environmental politics courses no doubt delve into these larger questions, but they tend to approach $I = PAT$ as if the variables and their product were occurring solely "out there" in the material world or in abstract intersubjective cultural or institutional arenas. As important as these arenas are, they leave out the inner dimension of the myriad everyday choices that permeate consumer society. Most crucial from a pedagogical perspective, they leave out the vitality and intimacy of the lived experiences of our students, who are on the cusp of becoming full-fledged members of consumer society. Indeed, a

primary function of a college degree is to improve their prospects on the job market. Our global environmental politics courses therefore place our students in a highly awkward relationship with their own lives. In the context of the New Earth, the not-so-subtle message is that our students themselves, along with the rest of us in the affluent world, are the problem. The natural response is guilt or, for those with a low tolerance for guilt, evasion. This dead-end of a conclusion—that we are the problem—is certainly one way of bringing the material home but not one that most of us would actively choose. Yet if we are not sensitive to our students' lived experience, this is exactly where our courses will land.

There is a powerful truth to the recognition that we are the problem, one that need not end with guilt and evasion, for this recognition is simply an awareness that our soft-skinned brainy species has unwittingly begun to unravel its own life-support systems. For those of us in the affluent world, this comes with an awareness of being most privileged, most culpable, and most reliant on the ceaseless work of unseen others. Seen from this vantage point, we can view ourselves not so much as a cancerous scourge but as an intriguing puzzle, a riddle whose solution must emerge from a place beyond business as usual. Surely a puzzle of this depth is antithetical to a quick fix; surely it is worthy of earnest contemplation. And surely, since we are (despite our varying levels of privilege and culpability) in the same boat, our reflections should have an intersubjective dimension—all the more so because the truly effective responses will be matters of collective action. As Michael Maniates argues in the next chapter, the challenges of living on a New Earth must be addressed politically and structurally. Contemplative inquiry is therefore the yin to the yang of collective action.

Given these parameters, our global environmental politics classes offer an ideal field of practice. If we have the courage to enter into the space of not knowing and the patience to accompany our students as they take stock of the problems, which includes facing the riddle of ourselves, then their solutions will be far less likely to be the veiled evasions that spring from a fix-it mind-set. As our students grapple with "Who am I in relation to this?" (see box 5.1) they need not lose their capacities for objectivity, analytical thinking, or pragmatic action; they simply add to these an enlivened capacity for introspection and integrative thinking. In so doing, they learn to bring their whole selves to the world's pressing problems.

How do students respond to such an unconventional use of class time? Because most of my teaching is in large lectures, I have little opportunity to interact with students on a one-to-one basis. I therefore do anonymous electronic polling to get their feedback. The following responses are typical:

Box 5.1

Who Am I in a Changing Climate?

This exercise aims to develop students' capacities for self-awareness and integrative learning. I generally offer this fifteen-minute exercise at the end of an eighty-minute class period. This gives students who do not wish to participate the opportunity to leave. Over the years, I have found that a few leave but nearly all choose to participate. If there is time at the end, I bring the exercise into the intersubjective space either by "taking the collective pulse" or inviting students to share something they learned with a neighbor.

Sit in a comfortable yet alert position. You may wish to close your eyes. If you leave them open, please have them downcast so as not to make others feel uncomfortable. Feel yourself in your chair and take a couple of deep breaths as you settle.

We have spent the last two weeks studying climate change and learned that there is a strong scientific consensus that our Earth's climate system is being destabilized by human activity. Take a moment to let this information sink in. Notice what happens in your body as you sit with this information. Simply observe.

We also learned that people in developing countries, people who are already living on the edge but whose greenhouse gas emissions are minimal, will bear the brunt of the impacts. Again, notice your sensations and emotions as you sit with this information. Just notice. If your mind wants to run in another direction, just notice and breathe.

We've also learned that some people's lifestyles are responsible for emitting far more greenhouse gases than others. As Americans, we emit (on average) about four times the global average. Again, sit and watch whatever arises.

Now breathe into your belly and simply relax. There's nothing you need to do, nowhere to go. This is your time to simply be. [Pause] Into this empty space, allow yourself to return to these big issues around climate change, and introduce this question very gently but with a clear focus: Who am I in relation to all of this? Introduce this question into the silence: Who am I in relation to global climate change? And simply observe what arises, and take note. [Repeat this a few times]

Consider that the world you are entering as a young adult is very different from the world of any previous generation. Our species has embarked on a planetary experiment, and you will be living in the results of that experiment. Who are you as you enter this world? [Pause] Just welcome whatever comes as a guest: images, emotions, ideas, sensations. Simply be an open field of perception, asking yourself who you are in a changing climate. [Silence]

As you prepare to bring your focus back to the classroom, take note of what has transpired. [Pause] Now take a breath and open your eyes slowly. Take a few minutes to gather the harvest by writing some notes to yourself.

1. This exercise was not a good use of my time. 4 percent
2. I feel neutral about the exercise. 2 percent
3. I was grateful for the respite from my harried life. 60 percent
4. I gained significant insights into myself in a changing climate. 34 percent

Even more gratifying are the personal responses. One student who had never spoken in class told me after "Who Am I in a Changing Climate?" that he now knew that his calling was to teach environmental science to children in the primary grades. Another told me that he recalled early childhood memories of living in a Mexican village before his family moved to the United States and that he now knew that something in him knows how to live sustainably. Perhaps the most predictable result of these practices is that I am always surprised.

Human Dimensions of Global Change

A good communicator must take into account the context of her audience, a requirement no less necessary for university instructors than other public speakers. We might therefore consider that our students have grown up during the warmest two decades in recorded history, a time that represents the hinge-point when our home planet left behind the 10,000-year sweet spot in which human civilization emerged and eventually became a geophysical force. For our students, who literally inhabit a different planet from the one on which their elders came of age, the question of who they are in a changing climate is a vital one—even if the dominant culture would have them ignore it. Yet when teaching about topics like climate disruption or species extinction, our scholarly proclivity is to present abstract data about these ominous trends without acknowledging the existential challenges they present. Indeed most graduate training prepares us for little else, potentially rendering us technically competent in the classroom but emotionally inept. If we fail to accompany our students as they walk through the anguish that arises in the face of an honest assessment of the facts, we do our students and ourselves a disservice. As global environmental politics instructors, we are called on to balance cognitive learning with more spacious and open-ended modes of inquiry that foster emotional intelligence and more reflective forms of self-awareness. In my experience, the personal rewards of responding to this call are tremendous, not least of which is a sense of coming home to our own basic humanity.

Having watched my students struggle with fear, anger, grief, guilt, and despair—and having personally grappled with them for decades—I have learned to value these dark emotions as potentially powerful catalysts. Without turning the classroom into a group therapy session, I like to end my lectures with a few minutes of personal reflection and sharing. The overwhelmingly positive response from the students confirms what most of us already know: in the absence of emotional engagement, cognition alone can be a dry and disempowering exercise. According to public opinion polls, most people know that the climate is changing, but do we allow ourselves to truly feel it? Or do we tend to distract ourselves, much as we avert our attention from our own mortality? If we truly felt the magnitude of the facts, would we continue with business as usual? Even putting aside our responsibility to the external world, what of our inner life? What does our psychic numbing desecrate within ourselves? In repressing our anguish, which, after all, is rooted in our care for the world, we simultaneously undermine our capacity for effective action and deaden our own hearts. While apathy is typically taken to mean a failure to act, the term actually denotes a failure to feel. Given that a crucial role of emotions is to generate motion, a failure to act may follow as a natural consequence the failure to feel.

As we all know, though, action impelled solely by emotion tends to be reactive and counterproductive, and our cognitive capacities alone do not necessarily supply the missing ingredients. Appropriate action does not follow from simply adding a dollop—or even a generous helping—of reasoning, critique, and analysis to feeling. Rather, effective action in the face of thorny problems requires a willingness to just sit there with uncomfortable facts and emotions rather than cogitating on a solution or rushing into action. In our extroverted and action-addicted culture, this pause may seem like a waste of valuable class time. As instructors, our information-laden minds may have to fight the impulse to fill up the space. Yet our willingness to allow the students to "just sit there" and observe their emotional reactions to the course material sends a host of subtle but powerful messages.

First, by acknowledging our students' subjective reactions to our course material, we convey a sense of empathy and an attitude of respect for their wholeness, thereby fostering these qualities within and among themselves. Since we cannot base their grades on their emotional authenticity or capacity for inner silence, we send a discreet message that we value something about our students beyond their academic performance. In my experience, as students tend to engage more wholeheartedly with the material, they

release their obsession with grades. Without ever saying as much, we are communicating in a visceral way that something far more important than their GPA is at stake. For those of us whose training was solely cognitive, bringing our empathic and intuitive qualities more directly into our teaching can also contribute to our own sense of wholeness.

Second, as our students learn to acknowledge and bear their own anxiety, sadness, fear, and confusion, they operate with greater ease and confidence in the world. Paradoxically, sitting with uncomfortable facts and emotions tends to generate insight, resolve, and empowerment. Or perhaps this outcome is not so paradoxical, for any psychologist worth his or her salt will tell us that the dark emotions are most harmful when they are ignored.² Is it any wonder, then, that in a culture dedicated to “the pursuit of happiness” (very often through consumption) we have an epidemic of depression? Most of us are—and quite literally so in a car culture—driven to distraction. Yet if we peel away the veneer of so many of our pursuits of happiness and observe ourselves carefully, we see that most of us are perpetually running from the present moment. Turning a blind eye to the existential questions that arise in response to global environmental problems is just one strand in this vast machinery of evasion and complicity. The denial of our feelings about our perilous entry into the Anthropocene may be just as problematic as the climate-denial movement. Is not the majority who passively accepts the reality of climate change and goes about its business as disconcerting as the minority who actively denies it? Or perhaps these two seemingly antithetical positions are rooted in a common aversion to painful emotions—in one case through denying their factual basis and in the other through approaching the facts through cognition alone. In this context, to “just sit there” and steep in self-awareness in the face of world awareness becomes a radical act. When we reconnect with life by willingly enduring our pain for it, the mind regains its clarity and generates new possibilities for relational living and creative action. As Michael Maniates argues in the following chapter, exiting the place of hopelessness is not difficult once we know we are in it. I would add that when we encourage our students to not only know that they are in a state of despair, fear, anger, or guilt but to actually experience and name these emotions in the classroom, we erode some of the psychological and cultural structures that foster hopelessness.

Third, we send a subtle but powerful message by having the courage to set aside our expert personas and enter into the empty space of the pause. In essence, we are modeling a willingness to not know. From the standpoint of our professional training and our students’ grades, this state of not

knowing might appear as dangerous or absurd. Yet if we are honest with ourselves, we must acknowledge that this state is likely to become increasingly relevant—for better or for worse—as we move more deeply into the terra incognita of the Anthropocene. As valuable as our climate models, UN forecasts, and other predictive tools are, the stark reality is that we live in a mind-bogglingly complex world that defies prediction. We know the climate is changing, but the specifics (which are, after all, where life is lived) are unknowable. We know that climate surprises are inevitable, but surprises are by definition unpredictable. We know that many creatures that constitute the web of life will be extinct in a few decades, but we don’t what this will mean for ourselves individually or collectively. Nor do we know what it means to live in the Anthropocene: Will humans take charge of the planet, or is this a hubristic fantasy? In the face of all of this, one of our primary jobs as global environmental politics faculty is to model not knowing not merely as a vacuous respite from the hard facts but as an earnest dive into self-awareness and focus. As Aldo Leopold observed decades ago (and as Simon Nicholson and Sikina Jinnah repeat in this book’s Introduction), “One of the penalties of an ecological education is that one lives alone in a world of wounds,” and the wounds have only deepened since. The future is dark—in both the sense of unknown and most likely undesirable. We cannot retrieve what has been lost, but we can bring our whole selves to what is here.

Coming to Our Senses

The human animal is a splendid oddity: the species with the capacity of separating itself from whole—at least in our own minds. The very term *environment* assumes that separation. In just a blink of geological time, industrialized societies have enacted a story of separation, altered the face of the Earth, and brought the Cenozoic age (from the Greek, the age of “new life”) to an abrupt close. Barring a drastic change, of course, the Anthropocene looms as an age of the impoverishment of life. Ironically, however, the story of separation carries within itself the seeds of its own demise, for the message of collapsing ice shelves and the unraveling web of life is that we are decidedly not separate. Oddly enough, this is also the message of modern science: that we are the astonishing result of nearly 15 billion years of cosmological evolution and 5 billion years of terrestrial evolution. The so-called autonomous individual is inextricably reliant on a vast web of external ecosystems and internal microbial networks. Yet as much as we might know this, for most of us, our everyday lives are radically

out of harmony with the community of life. If our lives are out of sync with reality, then practices that allow us to step outside our habitual grooves become all the more important.

Fortunately, we have available at every moment a window into present-moment awareness: our own sensory perception. Mindfulness practices like observing the breath enable us to shift from doing mode to being mode and, in the process, potentially witness our mind's compulsive activity rather than being swept up in it.³ When my students walk mindfully through a shopping mall, for instance, their sensory awareness serves as an anchor that enables them to become aware of their impulses without acting on them (see box 5.2). Their internal experience often becomes more compelling than the consumer goods. As they walk through the mall, the students frequently report a surprising sense of calm. This confirms psychologists' finding that "mindful attention prevents mindless impulses."⁴ Physiologically, mindfulness practices elevate the responsiveness of the parasympathetic and sympathetic nervous systems, thereby generating a simultaneous sense of calm and heightened attention. This state is proving to be of great value in reducing stress and healing a range of psychological problems, including addiction, trauma, and depression.⁵ This state of relaxed attentiveness also turns out to facilitate learning, including in college classrooms. The Association for the Contemplative Mind in Higher Education has assembled a rich collection of practices in disciplines from architecture to astrophysics—including global environmental politics. Paul Wapner's webinar, "Contemplative Environmental Studies: Pedagogy for Self and Planet," offers a straightforward rationale for integrating contemplative practices into the global environmental politics classroom.⁶

Sustainability education is particularly amenable to contemplative inquiry. Its implicit critique of the growth imperative invites both a stepping back from impulsive consumption and a deep inquiry into the *anthros*. The special role of somatic experience in contemplative inquiry points to another connection: as organs of perception, our bodies are our intermediaries between Earth and mind, just as they are literally of the Earth. While science tells us this, few of us deeply consider it, much less translate it into lived experience.

The breath, for instance, can be a gateway to a profound experience of interdependence. At the end of a three-week study of global atmospheric politics, for instance, I lead a guided meditation called *Living in Eairth*. As David Abram notes, we do not so much live on Earth as within its atmospheric membrane.⁷ With each breath, we inhale molecules that have been

Box 5.2

Mindful Mall Walking

Given consumer culture's deep reach into our psyches, a ready channel for person/planet politics involves working with the impulse toward acquisition. In this out-of-class exercise, I ask students to take a solitary thirty-minute stroll through a shopping mall while attending to their emotional and somatic experience, followed by twenty minutes of journaling. Below is a rough sketch of the assignment.

Please block out an hour (not including travel time) for this exercise. Go to a shopping mall alone with no intention of buying anything. Bring a timekeeping device and set it for thirty minutes. Then simply walk slowly enough to be able to attend to whatever draws your attention and your own reactions. If you find yourself walking slowly and aimlessly, you're probably getting it right; the point is to have no agenda beyond observation. The following prompts can serve as anchor points:

- Notice not only what you see but also smells and sounds.
- Notice what you like and what you don't like, including your perceptions and judgments about the people around you.
- Notice which shops draw you in, which items attract your attention, and whether it is difficult to shift your attention elsewhere. What happens in your body?
- Notice your breath. Is it shallow or deep? Notice your body. Are you comfortable or uncomfortable?
- Notice when your mind wanders to outside your immediate experience. Where does it go?

At the end of thirty minutes, find a place to sit down and write about your experience. Write spontaneously about your immediate experience and any insights about yourself or the world, or both. This writing will not be graded; it is for yourself.

The students later share their experiences in small-group discussions and, depending on the course, draw on those experiences in a short paper on the politics of consumption. Students report a range of reactions to this combination of acute visceral experience and the sharing of these experiences in peer groups: insight, embarrassment, empathy, frustration, guilt, gratitude, and so on. All of them report learning something important about themselves or the world, or both. From the intensity of their papers and conversations, I see that the exercise helps them to come alive.

breathed by countless creatures, and with each exhalation, we emit a minute quantity of carbon dioxide to taken up by plants and minerals. The simple act of conscious breathing invites each of us into a visceral experience of living in the circle of life. As important as it is to understand the logic of sufficiency,⁸ having the flesh-and-blood experience of sufficiency is of a different order.

Food offers another such opportunity. Integrative thinking is a key learning objective in my upper-level lecture course, Political Ecology of the World Food System. Much of the course is designed to reveal the hidden in the world food system: hidden costs, hidden ecological impacts, hidden relations of power and authority, and hidden surprises. Contemplative practices help the students step back from the facts and analysis into a more spacious and connective approach to the material, and the visceral experience of food facilitates this experience. Students are far less likely to forget the commodity chain of cocoa or corn, for instance, if they are holding a piece of chocolate or popcorn in their hands as they learn. Equally important, the experience of eating food mindfully is inherently valuable. Students have told me that they had never really tasted a raisin or a strawberry before (see box 5.3).

Time spent in contemplative inquiry makes for shorter lectures, which means there are important trade-offs to consider. Were the twelve minutes exploring the hidden life of a strawberry an effective use of classroom time? Were I primarily interested in conveying information, probably not. From a conventional pedagogical perspective, jumping from farmworker justice to soil fungus to the stratosphere is a confusing and scattered approach to world food politics. But I was more concerned with my students' capacities to think systemically and sit with uncomfortable emotions—not the least of which was the temptation to eat the strawberry—than their ability to memorize facts and concepts. I was betting that the visceral experience of the strawberry along with sharing one well-chosen word would enhance these capacities.

Make a Creative Response

When asked how to meet the mounting global environmental crisis without succumbing to despair, cultural historian Thomas Berry reputedly replied, "Make a creative response." A truly creative response to the Anthropocene would be one that moves beyond our habitual patterns of thought and action—beyond clichés, short-term remedies, and technological fixes. Neuroscientists and cognitive psychologists increasingly point to "the

Box 5.3

The Hidden Life of a Strawberry

This exercise illustrates some key concepts from my world food politics course—food justice, food webs, complexity, and unintended consequences. I ask the students to refrain from eating the freshly picked organic strawberries my teaching assistants distribute as I show a few photographs. *El cortito*, the infamous short-handled hoe now outlawed in California, highlights food justice. A gray, fuzzy strawberry shows the fruit's vulnerability to fungus. A graph of the global use of methyl bromide, a powerful ozone-depleting anti-fumigant used by the strawberry industry, reveals a huge unintended consequence of conventional strawberry production. If soil fungus is the problem, then perhaps farmers should put plastic bubble-wrap over their soil and install powerful electric fans to circulate air between the plants. It sounds far-fetched but a photo of a high-tech wind tunnel demonstrates the practice. It is an ingenious technological fix, I note, but what about the hidden energy costs? One last photo: the local organic farm where I purchased the berries that morning.

By now, the students are primed for a contemplative experience. I invite them to perceive the color, shape, texture of the strawberry—to get curious about their berry, to wonder how it was grown, by whom, with what consequences. I then invite them to eat the berry, noticing whatever arises. After a couple of very quiet minutes, I raise the lights and take the collective pulse. The single-word responses come flowing down the room: *overwhelmed, delicious, guilty, amazed, confused, connected, disconnected, grateful*.

In one class that met just before the lunch hour, the final one-word response, *hungry*, made the room erupt in laughter. In such a moment, I had to make a quick choice: to let the energy dissipate or bring it back into focus. I opted for the latter by asking who heard their own experience in someone else's words. As always, nearly every hand went up. I then invited them to take two deep breaths to help digest the experience, restoring the sense of calm focus before the end of class.

pause" as an essential ingredient in the creative, imaginative process. Perhaps the most obvious example from everyday life is the regenerative value of sleep, a prerequisite to our sanity and our survival. In a sense, contemplative practices offer a form of conscious rest. By disengaging the mind from its habitual grooves through attending closely to the present, contemplative inquiry reorients the mind to the freshness of the moment, thereby opening the imagination to that which has not yet been imagined. By fostering personally relevant understandings of how everyday experience is

rooted in global ecological and human systems, instructors can literally bring the curriculum home and open up new possibilities for introspection and moral responsibility.

The inwardness of contemplative inquiry, however, is most likely to generate a truly creative response when it is carefully balanced with a return to the intersubjective space of dialogue with others. Otherwise the subjective pedagogical turn runs the risk of reinforcing a highly problematic tendency toward the individualization of environmental responsibility.⁹ In the example above, the strawberry in hand helps to turn the students' attention back to their own experience. Yet the challenges raised (How are most berries grown for market? What about the use of methyl bromide and bubble-wrap wind tunnels?) cannot be resolved at the level of individual action and lifestyle choices. Each of these systemic questions must ultimately be answered in the polis, the interhuman arena of collective action, and not merely at the checkout counter or in the household. It is therefore crucial that classroom practices transcend individual subjective experience; otherwise, they run the risk of reinforcing the solipsistic proclivity of an individualistic culture. Meeting the challenges of the New Earth will likely require new modalities of both individual and collective wisdom.

A first step in making a creative response, for the individual and the collective, is to envision new possibilities. If we cannot imagine a viable future, then we are unlikely to create one. As the economist Kenneth Boulding said:

The image of the future ... is the key to all choice-oriented behavior. The general character and quality of the images of the future which prevail in a society is therefore the most important clue to its overall dynamics. The individual's image of the future is likewise the most significant determinant of ... personal behavior.¹⁰

Contemplative inquiry opens up the space for envisioning new possibilities—not by rushing to fix the problem or projecting one's conditioned thinking into the future, but rather by being fully present to the fecundity of not knowing and thereby opening oneself to fresh perceptions and insights.

The Self as Seed exercise is designed to help students in my food politics course develop the sustained attention and basic confidence that make for a genuinely creative response. This inquiry serves much the same function that *Who Am I in a Changing Climate?* serves in my global environmental politics course: to encourage my students to contemplate their entry into full adulthood in a complex world. Although I never say so explicitly,

Box 5.4

Self as Seed

Toward the end of my world food politics course, I guide the students through a number of contemplative exercises around food as metaphor. At the end of my lecture on the global politics of seeds, I guide them through a somatic experience of themselves as seeds.

I first point out that in some languages, the word for "seed" is the same as the word for "intention." This being an upper-level course at the end of spring quarter, I then ask who will graduate either this year or next. Nearly every hand goes up. I ask them to keep their hands up if what they will do after graduation is on their minds. Nearly every hand stays up. I offer them Frederick Buechner's words to the effect that one's calling is the place where one's deep joy meets the world's great hunger, a place we might consider as our core intention that we plant in the world's soil. I then darken the room and ask the students to stand with their eyes closed or downcast in order to attend to their inner experience.

"Consciously plant your feet on the ground. Feeling your weight evenly distributed across the balls of your feet and heels, observe the effect of gravity on your body. Feel the weight of your tailbone and your center of gravity somewhere in your lower abdomen. Notice what happens if you imagine yourself as sending your roots downward. Standing with relaxed yet alert attention, notice the sensations.

"Now imagine the top of your head lifting subtly towards the sun. Relax your breath. Notice the simultaneous downward pull of gravity and the upward attraction to light, much like a germinating seed. Enjoy the simplicity of consciously planting yourself on the Earth.

"Without losing your focus, take your seat. As you plant your butt on the seat, notice the sense of relaxation downward. Again, imagine your roots reaching down from your feet and tailbone. Consider that the Earth's gravitational field determines your roots' directionality. Astronauts report that a seed germinated in outer space sends its roots out in all directions. So from the moment of your birth until the moment of your death, gravity orients you. And by telling you which way is down, gravity also tells you which way is up. With relaxed yet alert attention, notice the feelings in your body.

"Once again imagine the top of your head lifting subtly towards the sun. Relax the breath. Notice the downward pull of gravity and upward attraction to light. Enjoy the simplicity of the sensations. Into the silence, ask the questions: 'What is my intention? What am I seeding? Where am I planting myself?' Observe what arises without judgment and without getting lost in any stories that might come up: simply listen and feel.

"Now slowly open your eyes and take a few minutes to gather the harvest by reflecting quietly or writing." A natural way of reestablishing the cohesiveness of the group is to "take the classroom pulse."

because I want them to trust their own experience over my interpretations, this particular somatic exercise can also elicit a visceral sense of being "of the Earth" and therefore being capable of accessing one's innate earthly intelligence.

Conclusion

According to developmental leadership researcher Sharon Parks,¹¹ the threshold of emerging adulthood is marked by the cultivation of critical thought and a corresponding recasting of one's relationships, including one's relationship to authority. This entails an intellectual and emotional journey from dependence on assumed sources of authority, which in turn entails relentless inquiry and discernment: What is true and worthy of trust? Who am I really? What matters? In what and with whom can I invest my life? By what narratives do we live and die? In taking responsibility for her own thinking, an emerging adult ripens to the task of composing "a worthy dream" for her life. For Parks, emerging adulthood is a "stem-cell moment in human becoming." At this critical juncture between conventional knowing and critical-connective thought, a strong mentor can serve as a "developmental lure."

But what does it mean to come of age when it is increasingly evident that prevailing institutions, practices, and values are unraveling the tapestry of life? And what does it mean to serve as a mentor under these conditions? No doubt, we as global environmental politics instructors have a responsibility to teach the relevant facts, concepts, and theories, but in our capacity as mentors, we are also called on to attend to their larger experience at the threshold of adulthood. In the arena of contemplative inquiry, the point is not so much to have the right answers but to have the courage to not know, the skillfulness to help guide our students into the depths of their own experience, and the compassion to abide with them there as their native wisdom unfolds.

Notes

1. Eaton, Hughes, and MacGregor, eds., *Contemplative Inquiry for Sustainability Education*.
2. Greenspan, *Healing through the Dark Emotions*.
3. Segal, Williams, and Teasdale, *Mindfulness-Based Cognitive Therapy for Depression*.

4. Barsalou, "Mindful Attention Prevents Mindless Impulses."
5. Segal, Williams, and Teasdale, *Mindfulness-Based Cognitive Therapy for Depression*.
6. Wapner, "Contemplative Environmental Studies."
7. Abram, *Becoming Animal*.
8. Princen, *The Logic of Sufficiency*.
9. Maniates. "Individualization."
10. Boulding, Foreword.
11. Parks, "Human Development and the Power of Pause."

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6 Make Way for Hope: A Contrarian View

Michael F. Maniates

Most people are eagerly groping for some medium, some way in which they can bridge the gap between their morals and their practices.

—Saul Alinsky (1969)

Hope. This one small word weighs heavy, like an important obligation unfulfilled, in conversations about teaching and learning on the New Earth—at least it does for me, and I'm surely not alone. For thirty years I've struggled to balance an honest recitation of what ecological economist Herman Daly and theologian John Cobb call the "wild facts" of environmental disaster with a sensitivity to my students' need for hope.¹ It's a vexing Goldilocks problem. Too much classroom focus on these wild facts inevitably produces emotional responses that Karen Litfin documents in chapter 5: feelings of being overwhelmed, cynicism, despair, apathy, and hopelessness. But anything less than straight talk about the enormity of our collective predicament feels cowardly and paternalistic. Soft-peddalling the enormity of the environmental challenges looming on the horizon out of some attempt to keep hope alive violates the obligation, shared by student and teacher alike, to look reality squarely in the eye no matter the cost. Before being booted out by the Bear family, Goldilocks found the porridge, chair, and bed that was "just right," but it's a tougher search for those of us in the global environmental politics classroom—and for activists and policymakers too. As students, professors, and practitioners, we teach, learn, and act with a loose faith that knowledge equals power and that this power will spawn hope. But we are also aware of the more likely outcome of our work, captured some time back by comedian Paula Poundstone when she asked, "What moron said that knowledge is power? Knowledge is power only if it doesn't depress you so much that it leaves you in an immobile heap at the end of your bed."²