

Introduction

Achieving Against the Odds

LIKE STRANGERS in a strange land, today's increasingly diverse and financially burdened students enter the world of higher education intent on succeeding at academic institutions that were originally designed for culturally homogenous, middle-class populations. Throughout their college careers, they are expected to learn from faculty trained primarily as researchers rather than as teachers. Student dropout rates and levels of faculty burnout are high—a phenomenon leading some conservative educators and politicians to demand that higher education be saved by eliminating “unqualified” students or their professors. However, once we consider the possibility that neither students nor faculty have exhausted their potential for significant growth and development by the time they meet in the college classroom, new and better solutions emerge.

In the essays that follow, scholar-teachers from a wide range of disciplines address their encounters with today's students and document a complex and challenging process of pedagogical transformation. Like most faculty, we are veterans of graduate schools that failed to emphasize or value the acquisition of teaching skills. Academically trained as researchers in history, anthropology, language and literature, psychology, theology, sociology, and political science, we had no choice—if we took seriously our work as teachers—but to become autodidacts in the field of pedagogy.

But we were autodidacts of a particular sort. Many of us were ourselves the untraditional students that sociologist Patricia Hill Collins has described as “outsiders within” the academy.¹ Diverse in our cultural backgrounds, we could not disentangle our teaching priorities from our own life experiences as people of color, women, gays, working-class people, and “foreigners” of one sort or another. Veterans of an academic socialization process that promoted replication of the very pedagogies that frustrated us as students, we attempted to balance

home cultures dear to us with the culture of the academy. In this ongoing process, the voices of our diverse students reminded us that they too are engaged in similar struggles to be who they are, even as they learn to use education in a meaningful and rewarding manner.²

In addition to the scholarly training that most faculty bring to the practice of teaching, we bring as well some hard-won understandings of “the rules of the game” that operate in academic life. Having ourselves successfully decoded the university’s culture, we are in a position to help students understand how to survive and overcome academic practices that devalue and marginalize them. Eventually, efforts to improve our own teaching have led us to engage with colleagues in initiatives for curriculum change and in challenges to the usual (and artificial) divisions that universities traditionally maintain between teaching, scholarship, and service. In our experience, these boundaries may function more as a constraint on intellectual and pedagogical innovation than as a guarantee of consistency and high standards.

We are aware, for example, that despite many years of experience, teaching nonetheless somehow remains “not our field because it is not the area in which we obtained our Ph.D.s. Yet writing about teaching is an activity that profoundly challenges both intellect and imagination. It leads us to draw on a wide range of theoretical sources and cultural discourses within and outside “our fields” for guidance and inspiration, to engage in more systematic critical reflection on our work,³ and to generate insights and suggestions of value to on- and off-campus colleagues. Although writing about teaching traditionally occupies a kind of borderland between “teaching,” “scholarship,” and “professional and institutional service”—as Gloria Anzaldua has suggested: borderlands are a place where illuminating critical insights are particularly likely to emerge.

Such insights seldom emerge in isolation. The pedagogical experiments and discoveries made by contributors to this volume were fostered and deepened by the support and assistance that we received from one another as scholar-teachers at the University of Massachusetts Boston (hereafter referred to as UMass/Boston) and from yet other colleagues whose voices are not represented here. It is not only private reflection and attention to student voices that promote better teaching; our individual initiatives were often the product of sustained opportunities to learn from colleagues. As we see it, the individual and collec-

tive struggles and achievements of our diverse contributors sharply illuminate significant issues in U.S. higher education.

WHAT IS GOOD TEACHING?

Like most faculty, we began teaching after spending many years in classrooms where professors were not only the center of attention, but also the exclusive source of authoritative information and ideas. On becoming junior faculty, we generally became conventional good teachers who received positive course evaluations from students familiar with lecture formats and appreciative—or at least tolerant—of our youth and enthusiasm. But, although we began by reproducing the educational environments over which we had triumphed, for most of us, schooling had been not only a source of credentialed knowledge, but also often an experience of pain—and sometimes of assault upon our values, cultures, and identities. As a consequence, when UMass/Boston students expressed anger, dismay, and frustration at the difficult trade-offs that higher education seemed to require, their voices resonated with our own experiences. Instead of keeping the spotlight on ourselves and our specialized knowledge, we began to consider it more important to pay attention to the factors that affect student learning.

New pedagogical opportunities emerged as we attempted to facilitate the process by which course content becomes a part of the cognitive and affective apparatus with which students make their way in the world.⁵ In the political science course described by Winston Langley, students at differing levels of skill and academic preparation were invited to engage with complex ideas and materials in a classroom environment that fostered honest reflection, open curiosity, and critical questioning; language professor Reyes Coll-Tellechea reports on the important discoveries about self and subject matter that students made in her Spanish classes when she situated herself as a Spaniard teaching Latino students their own language.

Intent on creating a challenging and supportive environment for learning, historian Esther Kingston-Mann set out to promote student achievement—not by “lowering standards,” but by valuing student potentials for understanding, empathy, and analysis. Like other contributors to this book, she asks students to consider data in its cultural context, to reflect on the ways that it can be understood (and misunderstood) and on what

counts as understanding in a particular discipline. Her efforts to grapple with such issues are rooted in the belief that students are in fact capable of engaging in serious and significant intellectual discourse.⁶ According to Kingston-Mann, proponents of the most rigorous academic standards might well delight in the intellectual achievement of undergraduate student Eva Taino, who writes:

The most important thing I learned during this semester is that everything I read has already been filtered through the mind of another human being. With this in mind I began to look more closely at what I read, but also to keep an open mind about the information given to me. I tried to get as many sides to a story as I could so when I came to a conclusion it would be a fair, thought-out and educated one.

However, despite our best efforts to help students realize a measure of their potential, there are no guarantees against classroom disaster, unresolved and bitter misunderstandings, and persistent challenges to our most deeply held assumptions and preconceptions. These negatives cannot be ignored or relegated to a distant past when we were inexperienced teachers. The accounts by theologian Kathleen Sands and sociologist Estelle Disch indicate that, when teachers face racist or homophobic comments by students, explore volatile subjects like gender and sexuality, or attempt to include the voices of students fearful or unaccustomed to speaking out, students may react with rage, resentment, or withdrawal, even when the teacher does “the right thing.”

Trained as scholars to work with intellectual rather than emotional content, we have found that valuing diversity in the classroom challenges us not only to consider our students, but to reflect as well on our own priorities as teachers—and on our knowledge about the many cultures represented in our classes and the degree of comfort we have with these cultures. Aware that there are dimensions of difference with which we are not yet knowledgeable or comfortable, we have committed ourselves—as individuals and as colleagues—to continue to confront our uncertainties.⁷

In this challenging process, there is no way to ensure that students will be open or tolerant. They may respond with hostility to the gender, racial, class, or sexual identities of their teachers. Estelle Disch reports that it is not unusual for male students to question her impartiality as a woman teaching about gender. Kathleen Sands describes the complex impact on gay and straight students of her decision to refer to her own

sexual identity in the classroom. Psychologist Castellano Turner and English professor-poet Pancho Savery note that when as African Americans they teach about race, white students question their “objectivity.” Classroom conflicts and silences that “buzz loudly” (Sands) may on occasion undermine teacher efforts to foster civility, compassion, and tolerance for differing views. At the same time, difficult interactions among students or between students and professors may also become crucibles for deeper critical reflection and more complex and grounded learning for all parties.

It is also worth considering the possibility that “problems” in teaching may be compared usefully with the dilemmas that emerge in our scholarly work. In the fields of anthropology or psychology, for example, recognition of a “problem” would be not a reason for self-reproach or for punitive measures by one’s department but a source of generative questions and creative intellectual activity.⁸ As a number of leading educators have recently suggested, once we situate “teaching problems” in a framework that emphasizes the deepening of our understanding, problems are no longer an embarrassment but something to be shared with colleagues and used as a basis for the exploration of new strategies and practices.⁹

It is revealing, for example, that when classroom interactions and assignments indicated to historian Esther Kingston-Mann and anthropologist Tim Sieber that students weren’t learning what they thought they were teaching, they attempted a multiyear Diversity Research Initiative that invited students to learn research skills through participation in collaborative, student-faculty research teams.¹⁰ A variety of classroom challenges led ESL specialist Vivian Zamel and Asian American studies scholar Peter Kiang to research and analyze the learning trajectories of students in their classes.¹¹ All of our contributors have engaged in the intellectual work of reframing the academic subjects they teach¹² and are involved in ongoing efforts to understand who our students really are (as opposed to resting on our assumptions about who they should be).

As American studies professor Lois Rudnick observes, we as faculty cannot expect that students will be blessed (or burdened) with the same motivations and interests that inspired our own learning. There is no reason to assume that students wish to be our intellectual clones, nor should that be the goal of a university education. As a student presenter at a recent UMass/Boston conference pointed out: “What if I want

to work in my community as a nurse instead of going on to graduate school? Does my choice mean that I am not as intelligent as other students, or that I am a failure?"

Questions of this sort, raised by students attempting to construct their own definitions of academic success, have placed important constraints upon the impulse to claim the status of role model in any simplistic sense of the term. Instead, we have turned our attention to the design of activities that recognize the realities of student diversity in cultural and linguistic background, learning styles, levels of academic skill and preparation, and academic and life goals. As we see it, efforts to develop more sophisticated and inclusive notions of teaching and learning benefit all students, *including* those at more elite, privileged, and—on the surface—culturally homogeneous institutions. It seems likely that we can do better if we become more realistic in recognizing the diverse realities of the college classroom and begin to revise and transform the traditional institutional standards for assessing teacher and student successes and failures that have for so long dominated U.S. higher education.¹³ It can be argued in fact that, if diversity is defined broadly to include race, class, gender, age, disability, sexual orientation, and ethnic and national culture, significant diversity issues exist at every college and university in the country.¹⁴ Everywhere in higher education today—whether in suburban or urban institutions and even in the traditional “college town”—students present similar challenges and a new degree of diversity to their professors.

CONTEXTS FOR CHANGE: THE UNIVERSITY OF MASSACHUSETTS BOSTON

The site of our efforts at pedagogical, curricular, and institutional transformation is UMass/Boston, a complex of red brick buildings built in 1964 on a landfill overlooking the Boston Harbor. In a city that saw its racial, ethnic, and class conflicts erupt into violence in the 1970s struggle over school desegregation and busing, UMass/Boston symbolized unprecedented opportunity to the majority of our first-generation college students. The university’s urban mission—to provide low-cost, high-quality education to a primarily urban and low-income population of varied backgrounds—placed it in the forefront of efforts to deal with the racial crisis that racked the city and its public school system. At

a defining historical moment in Boston and the nation, UMass/Boston offered to all of Boston's troubled constituencies (and to many of its new faculty) what may have been the first diverse and multicultural community that many of them had ever experienced.

A chronically underfunded, nonresidential campus within the University of Massachusetts system, the university's primary commitment is to Boston, a city of rich but unevenly distributed educational opportunities. Although there are more than sixty local colleges and universities in the Boston metropolitan area, before UMass/Boston was established in 1965, the rate of college attendance among Boston high-school graduates was lower than the statewide level of college attendance in Mississippi. The university students omnipresent in the streets and cafes of Boston and Cambridge were seldom of local origin. Even today, in the Cambridge cafes frequented by area academics and students at elite institutions, UMass/Boston students are likely to be the ones serving the coffee rather than the ones drinking it.

Students

In contrast to most area colleges, UMass/Boston was graced from the outset with students more varied in their backgrounds than any other institution of higher learning in New England. Efforts to reinforce and increase the diversity of the student population have accelerated in recent decades. In 1987, 16 percent of the student body of thirteen thousand were people of color and over 50 percent was female. By 1998, the percentage of undergraduate students of color stood at 30 percent; 53 percent were women. In 1998, 50 percent of the entering class were students of color. Sixty percent of the undergraduate student body were the first in their families to attend college, over four hundred are students with disabilities, and the mean age of a UMass/Boston student is now twenty-nine. Today, the hallways, classrooms, and cafeterias of UMass/Boston are thronged by a diverse student population that makes it one of the most inclusive and truly public institutions in our city.

UMass/Boston's demographics and urban mission have ensured that it would never be an isolated "ivory tower" where students prepare for a wider life of social encounters after graduation. Our students are already linked to a wide range of cultures and communities, and they possess experiences that profoundly complicate and enrich traditional classroom discourse. UMass/Boston classrooms might include a father

who brings to an education course his perspective as a member of his town's school committee, a welfare mother who shares her experiences with fellow economics majors, a disabled Vietnam veteran (the university enjoys the largest percentage of veterans of any university in the country) who tells of wartime encounters in a course on the Sixties, a Haitian immigrant who speaks of growing up as a nonminority person in a sociology course on race and ethnicity, and an Italian American student who shares her experience of work on an assembly line in a classroom discussion of the Industrial Revolution.

The products of schools where they were frequently undervalued, underestimated, unchallenged, and sometimes excluded, they balance a hope that UMass/Boston will be different—a place where they will acquire empowering and transformative knowledge—against the impulses toward cynicism and skepticism produced by earlier encounters with schools. UMass/Boston faculty are frequently challenged by the low expectations of first-year students who are tired of working at dead-end jobs but skeptical about institutionalized learning. To a student like Amy, “High school was like a penance imposed for some unknown sin. Everything I ever learned that was important to me was learned outside of school. So I never thought to associate schools with learning.” In her pre-college experience, Amy thought that teachers “lived in a world of their own.”

Faculty

UMass/Boston's faculty is relatively diverse, though far less so than the student body. From the outset, many were graduates of major research universities. (Local newspapers occasionally remark with surprise that UMass/Boston—at the bottom of the local academic totem pole as the only accessible, public university in town—possesses the highest percentage of Harvard Ph.D.s of any university in the United States.) A number of senior faculty deliberately chose UMass/Boston because they wanted to teach diverse students in an urban setting. In 1990, a national survey of faculty members at 328 four-year institutions revealed that 88 percent of our university's faculty approved of programmatic efforts to focus on cultural diversity and ranked the hiring of more minority faculty as a priority second only to the goal of promoting intellectual development. In contrast, faculty members at all four-year institutions ranked minority recruitment as their twelfth pri-

ority.¹⁵ As of late 1998, university recruitment efforts have resulted in a faculty that includes 20 percent people of color and 40.1 percent female (the total number of full-time faculty is 456).

A UMASS/BOSTON MODEL OF FACULTY DEVELOPMENT

In the 1980s and 1990s, UMass/Boston was unusual in the level of institutional support it offered for pedagogical innovation and for a successful effort by a diverse student-faculty-staff coalition to win widespread acceptance for a university-wide diversity curriculum requirement. One of the nation's first university-level teaching centers was created by UMass/Boston faculty in 1983 with funding support from the Ford Foundation.¹⁶ From the outset, UMass/Boston's Center for the Improvement of Teaching (CIT) sought to provide organizational support for colleagues attempting to bridge the gulf between their specialized graduate training and the pedagogical challenges they faced as new and inexperienced college teachers. Relying on a grass-roots strategy for faculty development, CIT drew on the hard-won wisdom of discipline-trained faculty colleagues instead of depending on faculty or outside experts with advanced degrees in education.¹⁷ With support from UMass/Boston's chancellor and from provosts who came to value CIT as a key component of the university's commitment to an urban mission, the center invited faculty from a wide range of disciplines to improve their pedagogical skills, claim ownership of campus efforts at pedagogical transformation, and become active participants in an expanding constituency for change.

In semester-long faculty development seminars that met regularly throughout the 1980s and 1990s, faculty participated in what many described as their *first* conversations about teaching and their first experiences of collaboration with colleagues from other departments and colleges. Seminar discussions were kept confidential (under rules prohibiting their use in any personnel process), and participants were free to share problems, implement innovations, and reflect—together with colleagues—on student responses to the changes they attempted. According to one seminar participant:

I used to avoid students in my class by lecturing the entire class and lecturing above their heads. I knew they were bored and disconnected from the class and their exams showed that. Maybe I was afraid of my students because I didn't know who they were. I went to the seminar looking for

help and support. I came away being able to take risks, to know students in my class, to let go of my Ivy League notion of higher education—and feel that it was okay to teach differently.¹⁸

For faculty from departments whose evaluation and reward systems focused on scholarship rather than teaching, CIT seminars were sometimes an occasion for the poignant discovery by a faculty member that, despite the indifference of her department, she had long been a gifted teacher (and that this was a valuable achievement)!

Seminar participants played a leading role in the passage of the university-wide diversity curriculum initiative adopted in 1991. The product of a Diversity Working Group of students, faculty, and staff coordinated by CIT, the requirement defined diversity broadly to include race, class, gender, age, disability, sexual orientation, and culture. The success of this initiative meant that henceforward, the university's curriculum—the most powerful statement of the university's academic priorities—would communicate the message that an educated person needed to study issues of diversity. Faculty previously challenged by students demanding to know why they had to learn about gays, working-class people, or members of nonmajority racial and ethnic backgrounds could now respond that the university as an institution mandated the study of diversity as a prerequisite for graduation, because an understanding of diversity was indispensable to life in the modern world.¹⁹ Currently, more than a hundred diversity courses are offered at UMass/Boston; they are taught at every level, in many disciplines, and in every college in the university.²⁰

A FACULTY COMMUNITY DEDICATED TO STUDENT LEARNING

Although the CIT seminars were created to improve teaching, one of their most significant consequences was to foster the emergence of a community of sophisticated and action-oriented faculty. In the words of English composition specialist Ellie Kutz,

Providing faculty with the opportunity to engage in shared and extended inquiry into their work as teachers in an urban university helps to strengthen our institution, not only by helping us to improve the teaching that is the central focus of our work, but by enabling us to identify and strengthen other aspects of our work that contribute to the university's

mission. . . . I've found myself returning to the very questions and issues raised by my colleagues in the Ford seminar. The seminar allowed me to see more clearly a fundamental coherence to the many elements of our common enterprise.

By 2000, 206 professors, almost 45 percent of the full-time faculty, had participated in semester-long faculty development seminars; three hundred had attended one or more teaching-related workshops or an annual campus conference, Teaching and Transformation.

For junior faculty, and for all faculty who belong to historically marginalized social groups, CIT seminars became a particular source of support and encouragement and an entree into a network of supportive colleagues. In the anguished words of one junior faculty member, "How in the world did my scientific research prepare me to teach any students, let alone those that differ so much in levels of skill and academic preparation?" Kathleen Sands refers to the encouragement from seminar colleagues that sustained her effort to initiate more open classroom discussions of sexual orientation. Other veterans of the seminar experience have written about it as "the first time I came to believe in the good will of my white colleagues" and a "reason for hope that UMass/Boston is changing, becoming more inclusive."

As teachers, we are aware that we understand our intellectual work better as we teach about it. When the issue is teaching itself, as distinct from the subject matter of our disciplines, we have found that mentoring/teaching relationships—both with colleagues and with teachers at other levels of education—have been indispensable for gaining a critical perspective on our own pedagogical practices. All of our contributors have been participants and/or coordinators of the CIT faculty development seminars mentioned above. Those of us who have taught in teacher preparation programs for elementary, secondary, and adult education teachers credit our dialogues with our teacher-students as an important source of critical reflections on effective teaching. From this perspective, a commitment to public education by university-level faculty is not simply an altruistic endeavor, but also a contribution to the pedagogical renewal of those who engage in it.

In the course of our collaborations, many of the contributors to this volume have emerged as campus-level "experts" who present workshops to colleagues on such topics as "Anguish as a Second Language: ESL Student Challenges" (Vivian Zamel), "Teaching Students with

Disabilities” (Estelle Disch), “Managing Classroom Diversity” (Castellano Turner and Tim Sieber), and “Redefining Academic Disciplines” (Esther Kingston-Mann and Winston Langley). As faculty members trained to be specialists in our fields, we now share questions, methods, and strategies related to teaching and learning with a widening circle of colleagues from other disciplines and institutions at the National Conference on Race and Ethnicity in Higher Education, at Association of American Colleges and Universities/Ford Foundation conferences called Diversity, Democracy, and Liberal Learning, and as participants in the Ford National Campus Diversity Network.

In this process, we began to view both our struggles and our innovations in the context of similar efforts by colleagues across the country. Although our efforts are not unique, initiatives like ours are rarely discussed in national debates on innovation in higher education. In general, faculty efforts at non-elite academic institutions like UMass/Boston are documented almost as rarely as the experiences of our non-elite students.²¹ We hope that our collection of essays will invite a broader exploration of the possibility that, at all kinds of institutions, faculty trained as scholars can engage with today’s students, grow as teachers and as human beings, and transform their teaching practices in more effective directions.

INSTITUTIONAL TRANSFORMATION, ACADEMIC STANDARDS, AND GOOD TEACHING

At UMass/Boston, the mutual support and encouragement we have given one another as colleagues and our emergent sense of community has provided critical support for what each of us has been able to accomplish—and reinforces our efforts to build community in our own classrooms. The familiar story of the individual faculty member struggling alone against a hostile environment can be a tragic tale ending in defeat—but this can be avoided if faculty are supported by a network or community that fosters collaboration among colleagues. Our experience suggests that faculty cannot hope to enjoy support or even to gain much critical purchase on their efforts unless they share, compare, and interweave their stories with others, as we ourselves have done in this volume. We strongly encourage other faculty to join local colleagues—in supportive, nonhierarchical settings—in collaborative dialogues on teaching.

In many respects, UMass/Boston exemplifies a widespread, current shift in higher education away from an exclusive allegiance to the “research university” ideal and toward what Ruben Martinez has called “the responsive university”—a place where the teaching and mentoring of increasingly diverse student populations achieves greater parity with traditional research as an institutional priority.²² Our volume documents this important but rarely noted shift at the grass roots of today’s academic culture. It may be that so-called “nontraditional” institutions like UMass/Boston should be considered *mainstream* American universities, because they welcome a truer cross section of young adults studying in today’s United States and require a more thoughtful, multifaceted model of achievement and success in higher education.

It should be emphasized that the commitment to student learning reflected in the work of our contributors does not mean that classrooms become encounter groups or that academic course content is devalued. It is precisely our fidelity to the material we teach—with its multiple human valences in the experiences of everyone in the classroom—that complicates our task.²³ As Tim Sieber observes, most of us began our professional journeys confident that our job was to present significant information with intelligence, enthusiasm, and good will. Gradually, we came to discover that, in order to teach challenging curricular material, it was necessary to reflect on how to handle its affective, personal, and political implications, to consider the kinds of dialogue we are willing to encourage, and to review the traditional methods by which we assess and measure learning. In today’s higher education, the pursuit of excellence must be extended to include high standards for pedagogy as well as content, along with regular critical examination of our pedagogical performance. With such an approach to excellence, we need no longer aspire to be “bouncers at the gates of knowledge.” Instead, we can begin to consider how to link media and political demands for “accountability” in higher education with the implementation of practices that genuinely expand student opportunities for learning.

In contrast to conventional stereotypes that pit “energetic and open” junior faculty against their “stodgy” elders, the experience of our contributors demonstrates that midcareer faculty can continue to learn and develop (and that junior faculty may be burdened by inexperience and by fears about tenure that place constraints on risk-taking). Our experience suggests that the challenges of higher education

today—however stressful—do not inevitably lead to defeatism, retreat, burnout, indifference, or the introduction of impersonal, assembly-line modes of instruction frequently emphasized in media accounts of today's professoriate. Our contributors demonstrate that faculty can benefit from collaboration with colleagues and can learn to construct classroom environments that encourage students to share ideas and insights and to take responsibility for their own learning. As Peter Kiang suggests in his chapter below, it is through "sharing voices, crossing boundaries, and building communities" that we and our students move forward.

At the same time, it is important to recall that our pedagogical powers and expertise, while real, are not infinite. We can never be sure that we will understand, predict, or deal effectively with every problem that arises. This is not as depressing an admission as it might seem. As in other areas of learning, pedagogical advances are seldom linear. If faculty—like students—recognize that difficulties are not a sign of incompetence, it may become easier for them to learn. Faculty socialized to see themselves as all-purpose authorities frequently find the challenge of learning through mistakes and misjudgments more difficult than do our students, who are inescapably aware that they are *supposed to be learners*. It is ironic that an academy whose *raison d'être* is education has traditionally defined teaching as something either mysterious (with some individuals gifted and others incurably mediocre) or mechanical (with a set of cut-and-dried techniques that apply to every classroom)—rather than as an enterprise that benefits from careful reflection, collaboration with others, creativity, and the investment of time and energy.

Our narratives suggest that dedicated teachers would do well to abandon fantasies of omniscience and omnipotence, that is, the notion that they should be able to foresee all difficulties and resolve them quickly and happily. By becoming more realistic, faculty see more clearly and find themselves more attuned to the potentials for change in unexpected situations. What are referred to in the literature as "teachable moments" teach us (the faculty) as much as they teach our students. It is in this complex and realistic spirit that we acknowledge, honor, and encourage colleagues at UMass/Boston and elsewhere who are committed to changing the existing distributions of knowledge in U.S. society.