## Jainism and Ecology

## Nonviolence in the Web of Life

edited by
CHRISTOPHER KEY CHAPPLE

distributed by
Harvard University Press
for the
Center for the Study of World Religions
Harvard Divinity School

Copyright © 2002 The President and Fellows of Harvard College

All rights reserved Printed in the United States of America

Grateful acknowledgment is made for permission to reprint the following:

Cartoon, Jain Spirit, no. 3 (March-May 2000).

L. M. Singhvi, The Jain Declaration on Nature, 1992.

Cataloging-in-Publication Data available from the Library of Congress

ISBN 0-945454-33-3 (hardcover) ISBN 0-945454-34-1 (paperback)

## The Nature of Nature: Jain Perspectives on the Natural World

## KRISTI L. WILEY

n surveying the writings on environmental ethics published over the last quarter century, certain similarities may be seen in discussions that have arisen in the process of examining the validity of supporting an anthropocentric worldview and ideas about the nature of reality found in Jain texts written many centuries ago. The questions raised in Jainism about the natural world are not informed by the same concerns as those of twentieth-century environmentalists regarding life on this earth, which, they have observed, is being severely impacted by the ever-increasing rate of development and industrialization. Such activity pollutes the earth, water, and air to such a degree that the survival of many life-forms is in doubt. Jain ācāryas were concerned about the pollution of the soul by karma, which is understood as a type of extremely subtle matter that is attracted to and bound with the soul whenever actions are informed by passions (kaṣāyas). This type of pollution causes the soul to undergo transformations that give rise to mithyātva, or false views of reality, and causes various types of improper conduct. Engaging in conduct that minimizes volitional actions that cause harm  $(hims\bar{a})$  and pain or suffering  $(vedan\bar{a})$  to other living beings also minimizes one's own suffering. Such actions result in the binding of wholesome varieties (punya prakṛtis) of karmic matter that produce feelings of bodily pleasure (sātā-vedanīya karma) and those karmas that lead to rebirth as a human (manusya) or a heavenly being (deva). Conversely, harmful actions cause one to bind un-

Singer concludes that

water, air, and fire, and of plants and animals. texts on the nature of nature, in other words, on the nature of earth been raised by environmentalists in light of passages from these early sources. Here, I would like to examine certain questions that have find detailed discussions on these subjects in ancient Jain textual tant in Jainism for pragmatic reasons. Therefore, it is not surprising to in what manner suffering or pain is experienced by them are imporwhat in the universe is living, how living beings may be harmed, and rebirth as an animal (tiryañca) or hell being (nāraki). Understanding produces pain (asātā-vedanīya karma) and those karmas that lead to wholesome varieties of karmas (pāpa prakṛtis), including karma thai

with this position, namely, "what counts as harm or interference" and himself irreparably."3 He observes that there are certain problems Stoic-Augustine view-it exists only for his sake)," toward an envitient beings" and whether "future others" are included in either of ence whether "others" is interpreted as "other humans" or "other senwho constitutes "others." As he notes, it makes a great deal of differ-(1) that he does not harm others and (2) that he is not likely to harm lated in which "one should be able to do what he wishes providing ronmental ethic,<sup>2</sup> a "modified dominance position" has been formuman and he is free to deal with it as he pleases (since—at least on the person's relationship with nature, in which "nature is the dominion of yond the "dominant tradition" in Western ethical views regarding a Ethic?" published in 1973.1 He notes that in an attempt to move bein his essay entitled "Is There a Need for a New, an Environmental Let us begin with the questions raised by Richard Sylvan (Routley)

of Jeremy Bentham at the close of the eighteenth century.4 provides one interpretation of "others" by quoting from the writings In support of his position on the rights of animals, Peter Singer

the hand of tyranny. . . . It may one day come to be recognized that the those rights which never could have been withholden from them but by ing to the same fate. What else is it that should trace the insuperable sacrum, are reasons equally insufficient for abandoning a sensitive benumber of the legs, the villosity of the skin, or the termination of the os The day may come when the rest of the animal creation may acquire not, Can they reason? nor Can they talk? but, Can they suffer? line? Is it the faculty of reason, or perhaps the faculty of discourse?... But suppose they were otherwise, what would it avail? The question is

If a being suffers, there can be no moral justification for refusing to

characteristic like intelligence or rationality would be to mark it in an concern for the interests of others. To mark this boundary by some experience enjoyment or happiness) is the only defensible boundary of nient, if not strictly accurate, shorthand for the capacity to suffer or account. This is why the limit of sentience (using the term as a conveexperiencing enjoyment or happiness, there is nothing to be taken into equally with the like suffering—in so far as rough comparisons can be made—of any other being. If a being is not capable of suffering, or of being, the principle of equality requires that its suffering be counted take that suffering into consideration. No matter what the nature of the

water, and air."9 clude plants and "nonliving parts of ecosystems . . . such as the soil, clude all vertebrates at the very least.8 In his opinion, this would exconscious of sense impressions" or those who are "aware" -- as the "moral base class" or "criteria for moral standing," one should inline and defining sentient beings—those who are "responsive to or tience—"the capacity to experience pleasure and pain"—as a guidenot "to be hurt, to be caused to suffer." He observes that in using senation one asks of others is not to be harmed by them," in other words, Singer's essay, J. Baird Callicott notes that "the minimum considerthey may not be capable of complex reasoning. In commenting on awareness or an ability to experience pleasure and pain even though have justified their position on the basis that some animals have centrism) to one that includes harm to animals (biocentrism). They ing our realm of concern from that of harm to humans (anthropo-The efforts of these environmentalists have been aimed at expand-

separate (but related) question from establishing a "criterion of moral may not hurt them, may not cause them consciously to suffer." A may be directly benefited or harmed—even though harming them things may also intelligibly be said to have interests, and if so, they if one were to adopt the view of Kenneth E. Goodpaster that "being than sentience or "the capacity to suffer," "since nonsentient living alive" should be the basis for determining moral consideration rather tems of entities heretofore unimagined (such as the biosphere itself)," Moral consideration could be extended to include "entities and sys-

considerability" is the "criterion of moral significance," whether, for example, "trees deserve more or less consideration than dogs, or dogs than human persons." Paul W. Taylor has expanded the definition of harm to the environment beyond the criterion of sentience by stating that "all living things are 'teleological centers of life.' An organism's telos (Greek for 'end, goal') is to reach a state of maturity and to reproduce. Our actions can interdict the fulfillment of an organism's telos, and to do just that is to harm it."

Systems or holistic ecologists have proposed "ecosystem-centered ethical systems" (ecocentrism) to address ecological concerns that relate to nature when viewed as a community or ecosystem—for example, the biotic community composed of plants and animals, soils and waters. Proponents of these theories believe that biocentric criteria are inadequate for justifying that moral consideration be given to an ecosystem (provided that one accepts that such exists), in part because it includes entities that do not meet any of the above conditions since, in their view, earth, water, and air are not living. For this reason, Holmes Rolston III has proposed a system of values whereby "natural wholes, such as species and ecosystems, possess an intrinsic value derived from the baseline intrinsic value of living organisms and thus enjoy only derivative moral considerability." For example, water or air would be given moral consideration because plants, animals, and humans are dependent on them for sustaining life.

From a Jain perspective, a justification for the preservation of the environment need not be based on earth, water, and air having only derivative value in their support of life. Rather, along with fire, they should be accorded moral consideration in their own right. Each of these individual elements can form the physical (audārika) body for a soul (jīva), which may be distinguished from all other existents by the quality (guṇa) of consciousness or awareness (caitanya). A soul, so embodied, is a living being that is aware and that experiences pleasure and pain through its single sense of touch. Taking earth-bodied beings as an example, there are descriptions in Jain texts of the different types of earth-bodies that are formed, the minimum and maximum sizes of earth-bodies, the maximum length of time that a soul may be embodied, in birth after birth, in an earth-body before taking birth as another life-form, and the possible destinies in the life to come for a soul so embodied. In addition, there are also discussions about how

one-sensed beings interact with other living beings and experience

cows, bulls, elephants, lions) and reptiles (parisarpa). 18 mals (birds), and terrestrials, including quadrupeds (e.g., horses, clude wasps, flies, gnats, mosquitoes, butterflies, moths, scorpions. aquatic animals (e.g., fish, tortoise, crocodile), winged or aerial ani-Five-sensed beings, those having the ability also to hear, include pedes, and the like; those with four senses (additionally, sight) insense of touch, taste, and smell, include ants, fleas, termites, centiturn, is embodied in other forms of life, including the bodies of human characterized by innumerable souls sharing a common body which, in leeches, mollusks, weevils, and so on. Three-sensed beings, with the beings. 17 Two-sensed beings, having touch and taste, include worms, category, including the nigoda, a minute form of vegetable life that is tioned above, all types of plants or vegetation (vanaspati) are in this periencing the world. In addition to those one-sensed beings menis subdivided according to the number of senses or modalities of exincorporates all life-forms not included in the former three categories. beings (nārakis), and animals and plants (tiryanca). The latter, which states according to Jain sources. There are four main destinies (gatis) for souls: as human beings (manusyas), heavenly beings (devas), hell these beings, we should first understand the range of possible birth Before beginning our investigation into the details of the lives of

In discussing those beings whose bodies are the individual elements, we also must make a distinction between four technical terms found in Jain texts. 19 Here, we are only talking about those beings that currently have a physical body (audārika sarīra) that is earth (pṛthivī-kāyika), or water (āpkāyika), or fire (tejokāyika), or air (vāyukāyika). We are not talking about "earth" (pṛthivī), and so forth, that is not presently serving as a body for a soul and therefore is devoid of consciousness (acetanā). Nor are we discussing an "earth body" (pṛthivīkāya), that which in the recent past has served as the earth body for a soul but which has been recently abandoned by it, like the body of a person who has died. It does not include a soul currently in the process of transmigration that, upon its arrival at the locus of rebirth, will begin to grasp earth in order to form an earth-body (pṛthivī-jīva). The latter three are excluded because the "earth" (pṛthivī) and an "earth body" (pṛthivī-jīva) are nonliving material existents (ajīva)

The Nature of Nature

pudgala) since they lack a soul, while a soul that is to become earth-bodied after transmigration (pṛthivījīva) is living, but at that moment lacks a physical body (audārika sarīra) of any sort.<sup>21</sup>

ary development into two-sensed life-forms, and so forth. Jains mainwhose souls are in the initial stages of a progressive linear evolutionunending (ananta). Nor must the transition from a one-sensed being of life, the time that a soul may be repeatedly embodied as a nigoda is ever leave the nigoda state of embodiment for, unlike all other forms as humans, some have attained permanent release from the cycle of bodied in other forms of life. And among those that have taken birth Certain of these souls have left the nigoda state and are currently embeginningless time as nigodas, the least developed of living beings. tain that some of the infinite number of uncreated eternal souls tha that a soul currently embodied as a one-sensed being has been embodings in their next birth.23 Given the laws of karma, it is quite possible sensed animal. Conversely, humans may be born as one-sensed bebeen embodied as a two-sensed, three-sensed, four-sensed, or fivehuman.22 Therefore, a soul that has attained moksa may never have sible for this soul to attain moksa in its first and only embodiment as a next life as a human. And according to Svetāmbara accounts, it is posfor a soul that has only been embodied as a nigoda to be born in its to other forms of life be gradual or linear. It is possible, for example, birth and death (moksa). However, there is no certainty that a soul will inhabit the occupied universe (*loka-ākāsa*) have been embodied since riencing the effects of karma from actions undertaken as a human. ied as a human some time in the past, and this soul may now be expe-One-sensed beings should not be viewed as primitive forms of life

But in what sense are these one-sensed beings understood to be living and to be experiencing the effects of *karma*? Birth as a one-sensed being is attained by the fruition (*udaya*) of those *karmas* that, at the time of death of its current physical body, cause the transition of the soul to its next place of birth<sup>24</sup> where the soul begins to form a new physical body through the fruition of the *nāma karma* that forms a body with one sense (*ekendriya sarīra-nāma karma*). If the soul is to be earth-bodied, a specific set of subvarieties (*uttara-prakṛtis*) of *nāma karmas* comes into fruition simultaneously and causes the formation of a separate body (*prateyka sarīra nāma karma*) by attracting particles of earth, transforming them, and binding them together to form a body of a specific size and shape.<sup>25</sup> Until the time of death,

Cannot

perce in

certain of these nāma karmas will continue to rise, causing the continuous influx of matter to maintain the body. The beings who have not arrain.

pable of causing, especially in cooperation with each other. the greater amount of himsa that air- and fire-bodied beings are casuch distinctions; however, these notions could possibly be related to only bind the ayu karma that causes rebirth as an animal or a plant (tiryanca āyu). 28 I have found no explanation in the commentaries for as a human in its next life, a fire-bodied being or air-bodied being can water-bodied being to bind human (manusya) ayu and thus be reborn Although it is possible for the soul of a plant, earth-bodied being, or āyu karma that the various categories of one-sensed beings may bind water-bodied being. 27 And there are differences in the subvarieties of types of one-sensed beings have been noted. The maximum length of being, or hell being. In this regard, differences among the various mines whether one's next birth will be as a human, animal, heavenly life for an earth-bodied being is different, for example, from that of a ity) karma, which establishes the maximum length of life and deterjūūna), once in each life all one-sensed beings must bind āyu (longey-Like other beings who have not attained omniscience (kevala-

sensed, three-sensed, four-sensed, and five-sensed, but we do not asks him: "We know and observe the inhalation and exhalation, the disciples (ganadharas) of Mahāvīra, the twenty-fourth Tirthankara. son through sense perception. Therefore, one of the chief mendicant energy, respiration, life span, and touch cannot be detected by a persamijnīs).29 In the case of one-sensed beings, these four vitalities of sensed beings, or the sense of hearing of five-sensed beings, or the sense of smell of three-sensed beings, or the sense of sight of fourmake sounds) of two-sensed beings, or the additional vitality of the such as the sense of taste and the ability of speech (or the ability to breathing in and breathing out, of those living beings who are twosense of rationality of five-sensed rational beings (pancendriva span (āyuh prāṇa); and the vitality of the sense of touch (sparsanen vitality of respiration (ucchvāsaniśvāsa prāṇa); the vitality of life know or observe this in the case of one-sensed beings, from earthdriya prāṇa). However, they are unable to develop other vitalities, the vitality of the strength or energy of the body (kāyabala prāṇa); the bodied, fire-bodied, and air-bodied beings all develop four lifeforces, or vitalities (prāṇas), from the rise of āyu and nāma karmas: Along with various forms of vegetable life, earth-bodied, water-

bodied beings through vanaspati. Do beings that are one-sensed also breathe in and breathe out."30 Gautama, these living beings with one sense also inhale and exhale inhale and exhale, breathe in and breathe out?" Mahāvīra replies, "Oh

one-sensed beings. Craving for food (āhāra-saṇjñā) is the most priof Mahāvīra, "Do earth-bodied beings desire nourishment (āhāra)?" mulate things for future use (parigraha-samjiñā).31 Gautama inquires the desire for reproduction (maithuna-samjñā), and the desire to accumary of these instincts. Other instincts include fear (bhaya-samjñā), ant and unpleasant feelings."32 In the case of a one-sensed being out interruption the desire for food arises in them. It is transformed Mahāvīra says, "Yes, they desire nourishment. At all times and withwhich lacks a mouth, nourishment consists of matter that is assimirepeatedly in various ways by the organ of touch in the form of pleas. food based on the sense of taste. morsel" by two-sensed beings with a mouth, which accept or reject involuntary, in contrast with the voluntary consumption of "food by lated through the surface of the entire body. Such intake is considered Jain texts mention four instincts (samjñās) that are present even in

ceit  $(m\bar{a}y\bar{a})$  and wrong outlook  $(mithy\bar{a}tva)$ . So they have five activi-Gautama asks, "Do all earth bodies have similar activities interact with the world around them. With respect to such activities. all have similar activities." "Why so?" "All earth bodies are with de-(samakiriyā = Sanskrit, samakriyā)?" Mahāvīra answers, "Yes, they air-bodied being, stirring part of a tree or causing it to fall down, also earth-bodied, water-bodied, air-bodied, and fire-bodied beings, as till those arising out of perverted faith (mithyādarsaṇapratyayā kriyā) ties, which are those arising out of endeavour (ārambhikā kriyā), etc.. commits three, four, or all five actions.34 Since they are subject to the well as plants, commit three, four, or five types of actions, while an through the sense of touch."33 It is said that merely by breathing (māyā), and greed (lobha) produced by the rise of mohanīya karma,35 attained omniscience and perfect conduct and are thus still subject to various passions (kaṣāyas) of anger (krodha), pride (māna), decen current life and in lives to come these four passions, activities of all one-sensed beings cause the intheir actions are volitional. Therefore, like those humans that have not flux and binding of new karmic matter that may be experienced in its It is clear from other passages in these texts that one-sensed beings

my experient

earth-bodied beings have an equal feeling of suffering (samavevana = mind (asamjñī) and so they experience pleasure and pain (vedanā) in Salls with Why? "All earth-bodied beings are devoid of a conscious earth-bodied beings are deall feeling of through the sense of touch. Gautama inquires of Mahavira, "Do all an indeterminate way or with the absence of positive knowledge (anidae)."36 In a note on this verse, K. C. Lalwani states: And it is clearly stated that one-sensed beings experience suffering

suffering from, and how much is their suffering. They accept their sufone under the spell of a drug or drink, they do not know what they are so because of wrong outlook and absence of reasoning, for which, like The indeterminateness of pain is signified by the word anidae. This is one-sensed beings.37 fering as fait accompli and are used to it. The same applies to the other indeterminat pain

ences pain (vedanā) "as great as that of an old decrepit man whom a In the Bhagavatī Sūtra it is said that an earth-bodied being experiyoung strong man gives a blow on the head."38

being, which breathes, nourishes its body, and sustains life in its body, earth, water, air, or fire is embodying a soul, it constitutes a living may not be readily apparent through observation, a person can hurt of the  $\bar{A}c\bar{a}r\bar{a}nga$   $S\bar{u}tra$ , even though hurting one-sensed earth beings pain through the sense of touch. As mentioned in the opening lectures rience the karmic effects of these actions. And it feels pleasure and Like other beings, a one-sensed being performs actions and will expethem and cause them to suffer by cutting, striking, or killing them.39 Thus, according to Jain sources, whenever matter in the form of

ists, if one were to use the material in Jain texts to interpret the statement that "one should be able to do what he wishes providing (1) that concept of moral rights or those beings that deserve moral considerasanijītis), but also life-forms with just one sense. In discussing the perience pleasure and pain") or those who are "aware," one would Callicott's observations) as those with sentience ("the capacity to exirreparably,"40 and define "other" or "moral base class" (following he does not harm others and (2) that he is not likely to harm himself atton, Joel Feinberg has stated that "a being without interests is a beinclude not only nonrational five-sensed animals (pancendriya ing that is incapable of being harmed or benefited, having no good or Returning to the discussions of twentieth-century environmental-

The Nature of Nature

'sake' of its own," and that "interests" logically supposes desires or "wants" or "aims." It is clear from the above passages that in the Jain worldview one-sensed beings can be harmed. They have the capacity to experience pleasure and pain, and they are aware because they have a jīva, or soul, whose defining characteristic is awareness. They also have "desires" because they experience the effects of mohanīya karmas, which generate passions (kaṣāyas) of attraction (rāga) and aversion (dveṣa). Because of other karmas, they are subject to the instincts (samjīnās) of fear (bhaya-samjīnā) and the desire for food (āhāra-samjīnā), for reproduction (maithuna-samjīnā), and for the accumulation of things for future use (parigraha-samjīnā). 43 Kenneth Goodpaster has expressed similar ideas regarding plants:

There is no absurdity in imagining the representation of the needs of a tree for sun and water in the face of a proposal to cut it down or pave its immediate radius for a parking lot. . . . In the face of their obvious tendencies to maintain and heal themselves, it is very difficult to reject the idea of interests on the part of trees (and plants generally) in remaining alive.<sup>44</sup>

In the context of Jain sources, this would include earth-bodied, water-bodied, fire-bodied, and air-bodied beings because they also need to nourish their bodies in order to stay alive.

There is also some similarity between Taylor's definition of living beings as "teleological centers of life," whose goal "is to reach a state of maturity and to reproduce," and harm as interference with the fulfillment of an organism's *telos* and the Jain definition of *hiṃsā* as harm to the life forces, or *prāṇas*, including the life force of longevity  $(\bar{a}yu)$ . In contrast with a speciesist view where "the interests of others matter only if they happen to be members of his own species," Jain  $\bar{a}c\bar{a}ryas$  have maintained that "All beings are fond of life, like pleasure, hate pain, shun destruction, like life, long to live. To all life is dear." All breathing, existing, living, sentient creatures should not be slain, nor treated with violence, nor abused, nor tormented, nor driven away."

In examining the validity of an anthropocentric worldview, the question has been raised by Paul Taylor: "In what sense are humans alleged to be superior to other animals?" According to the teachings of Jainism, humans are different from all other beings because they

and rebirth. site for moksa. 51 Only a human being has the ability to undertake the cepted the lay vows (anuvratas). However, an animal is incapable of even refuse food at the approach of death. Thus, they are able to folsight can observe restraint with respect to killing, and so forth, and nature of the soul, and from attaining release from the cycle of death science (kevalajñāna) and perfect conduct, from experiencing the true attaining more advanced states of spiritual purity that are a prerequilow a mode of conduct equivalent to that of a person who has acstep toward moksa. It is said that animals who have attained this inanimals can attain true spiritual insight (samyak-darśana), the first death and rebirth (moksa). 50 Jains believe that five-sensed rational have a capacity that all others lack: the ability to attain omniscience (destructive) karmas, which prevent a person from realizing omniphysical and mental austerities necessary for removing all ghātiyā have (kevalajñāna) and permanent release from the beginningless cycle of (kevalajñāna) and permanent release from the beginningless cycle of anthropocertic heraccon dentered or ilonge

no economic importance also are cared for here. There is often a sancto these refuges for shelter and medical treatment. Animals that are of goats, sheep, and cattle, other sick or injured animals may be brought are focused primarily on protecting domestic herd animals, such as siveness (aparigraha). By observing these vows, a person tries to reare in accordance with a definition of ahimsā that includes nonintertuary for birds, where food and water is provided out of the reach of animals, called pinjrapoles? Although the efforts of these institutions projugate harm to living beings, and by the establishment of special refuges for vegetarianism, their preference for those occupations that minimize with two, three, four, and five senses. This consideration for the welactions (ahimsā), from telling lies (satya), from stealing (asteya), terence with a being's life force (āyu prāṇa).53 The emphasis here is predators. 52 Practices at the pinjrapoles, where a being is allowed to fare of animals among Jains is demonstrated by their emphasis or has accepted the lay vows (anuvratas), this means not harming beings frain from actions that cause harm to other beings. For a person who from inappropriate sexual activity (brahmacarya), and from possesrestraint (vratas) that a Jain may formally take to refrain from harmful cal well-being of all forms of life. This is reflected in the vows of live out the life span with which it was born and to die a natural death. In Jainism, the spiritual well-being of a person is tied to the physipulacher of the both of the

on providing an environment of protection for the preservation of life, rather than ending the pain and suffering of injured or sick animals through premature termination of life by euthanasia.

a living plant; air-bodied beings by not fanning themselves; fire-bodcants avoid harming plant life by not walking on greenery or touching one-sensed beings as well. Through circumscribed actions mendistrictions on one's actions, because the vow of ahimsā encompasses indicative of even higher states of spiritual purity, entails more reging in the earth.54 As noted by Padmanabh S. Jaini: by not swimming, wading, using water for bathing, or drinking water ied beings by not kindling or extinguishing fire; water-bodied beings that has not been properly boiled; and earth-bodied beings by not dig The acceptance of the mendicant vows (mahāvratas), which are

establishing a totally new pattern of behavior for which his prior training has in no way prepared him. Undertaking ahimsā and the other dicant must put forth a tremendous effort of mindfulness, consciously cialization process, however, provides little or no basis for extending well-being of other persons and of domestic animals. The normal soalways on guard against the possibility of committing an infraction.55 great vows forces him to become constantly aware of his every action. this consideration to the single-sensed creatures. Hence the Jaina men-Perhaps every culture teaches its children to behave with regard for the

Juste

well-being is demonstrated in the practice of asking forgiveness for past transgressions (ālocanā) from all living beings. This interconnection between spiritual well-being and physical

or knocked over or crushed or squashed or touched or mangled or hurt with one or two or three or four or five senses have been injured by me or affrighted or removed from one place to another or deprived of mould, on moist earth, and on cobwebs; whatever living organisms seeds, in treading on green plants, in treading on dew, on beetles, on in coming and in going, in treading on living things, in treading on I want to make pratikramana for injury on the path of my movement life—may all that evil have been done in vain [micchāmi dukkadam].50

have friendship with all beings and enmity with none.37 I ask pardon of all living creatures, may all of them pardon me, may I

accompanied by voluntary restraints on the accumulation of posses-Such concerns for the well-being of even the most minute life-forms

> Harold Coward: gions are responsible environmental ethic. In the words of sions and limiting the consumption of finite natural resources, ac-

ern industry and agriculture suggests that it has not been sufficiently has not protected South Asia from the environmental problems of modenvironmental ethic within Indian thought. The fact that such an ethic tantamount to harming oneself. Thus there is a clear and unambiguous understood and applied.58 To harm any aspect of nature—be it air, water, plants, or animals—is

One is how to establish a "criterion of moral significance," which amine some of the more difficult problems in environmental ethics. However, limitations are encountered in using Jain sources to ex-

same as the criterion for adjudicating competing claims to priority among beings that merit that standing. 59 sideration than dogs, or dogs than human persons. We should not expect that the criterion for having "moral standing" at all will be the separate from the question of whether trees deserve more or less conthe criterion of moral considerability] is a question that must be kept of conflict. Whether a tree, say, deserves any moral consideration [i.e., aims at governing comparative judgments of moral "weight" in cases

would be divided into two groups: 1) five-sensed rational beings, inness have great pain, and those who are without consciousness have those without consciousness (asanijāi). Those who have consciouspain?" Answer: "This is not necessarily so." Why? "The infemal be-Gautama asks Mahāvīra, "Do all infernal beings suffer an equal regard is a passage about hell beings in the Bhagavatī Sūtra in which to reflect on the past, and think about the future? Instructive in this ner and that experienced by beings with the mental capacity to reason. difference between suffering experienced in an "indeterminate" manbe made—of any other being."60 According to Jain sources, is there a counted equally with the like suffering-in so far as comparisons can the being, the principle of equality requires that its suffering be Could a measure such as "like suffering" be used as a standard? In little pain." According to this statement, beings with "like suffering" ings are of two types. They are those with consciousness (samijii) and interests of others, Singer has stated, "No matter what the nature of justifying his position on sentience as a guideline for determining the

cluding both animals and humans; and 2) one-sensed to five-sensed nonrational beings. Therefore, if one were to use this division as a guideline for a priority of moral significance, then humans and animals would rank first, with other beings ranked equally below this. However, the way in which pain is understood to be experienced by rational and nonrational beings apparently was not the criterion used for defining conduct appropriate for householders or mendicants. Rather, the dividing line between refraining from harming two-sensed beings on the part of laypeople and one-sensed beings on the part of mendicants probably reflects practical limitations on the degree to which such restraints could be practiced on a daily basis by members of these two communities.

extent of injury he is likely to cause in his actions."62 By this definicaused. The knowledge of the varying number of vitalities possessed ber of vitalities and their comparative strength, to which injury is number of vitalities (prāṇas) that different types of living beings ings. In discussing why it is important for Jains to understand the amount of himsā that one accrues from harm done to other living besensed being. While this idea does not directly translate into "more or mal, and so forth. The least problematic would be injury to a oneinjury to a five-sensed rational animal, a five-sensed nonrational anitual harm, with progressively less harm to one's soul from causing tion, there would be a hierarchy of himsā, or a sliding scale of spiriby souls in their various conditions of life enables one to judge the have, J. L. Jaini states, "the degree of sin would depend upon the numsensed rational being and a one-sensed being are not considered to be less significance," the karmic consequences from harming a five-Jains have considered a similar question in trying to define the

It is unclear to me how ideas expressed in Jain texts might be used in support of holistic views of environmental ethics. Although ideas expressed in these texts justify an extension of the "circle of moral considerability," this is done from an individualistic perspective. These sources focus "concern on particular items, whether they be persons, animals, living things, or natural items." However, if one

introduces a holistic element . . [then] whole ecosystems, the biosphere, and even the universe as a whole are morally considerable and the particular individuals which constitute them are themselves only insignificantly, if at all, considerable. . . . These large systems exhibit

They vi thing bodies

sufficient organization and integration to count as alive, as having a good of their own or, less controversially, as possessing intrinsic value.

I can see no evidence in Jain texts for the devaluation of individuals within a given class, be it humans or one-sensed beings, in favor of the group or species, especially considering the Jain conception of the soul. Although souls share certain common characteristics, such as consciousness, the soul of each being is a separate entity, with its own unique accumulation of karmic matter. It retains its own its own unique accumulation of karmic matter. It retains its own its own unique accumulation of karmic matter. It retains its own its own is soul. Nor can I see strong evidence in support of organization or integration of larger systems, such as ecosystems or the universe or viewing these entities as living, unless one considers the shape of a "cosnic man," which is sometimes poetically used to depict the boundaries of the occupied universe (loka-ākāsa). However, a stronger case could be made for a part/whole human/universe correspondence based on material found in early brahmanical texts, such as the purusa-sūkta hymn.

tion of their age (ayu) karma."64 "Gross bodies need support but fine them and they can kill nothing. They die a natural death at the exhaus-Gommatasāra: "A fine body can pass through any kind of matter.... structs nor is obstructed by other objects. According to the posed of fine matter is nonobstructive (aghāta) because it neither obther gross matter or "subtle" or "fine" (sūkṣma) matter. A body comto form, the external body (audārika sarīra) may be composed of eithat comes into fruition at the time of its "birth" when the body begins sensed beings, depending on the specific subvariety of nāma karma have bodies composed of gross matter. However, in the case of oneobstruct or harm other objects. All beings with two or more senses that can be obstructed by or harmed by other matter and that can itself bodies are called ghāta sarīras because they are composed of matter ings with bodies (sarīras) that are "gross" (bādara or sthūla). Such sensed beings. All of the discussions up to now have been about becontext of still another category of beings: subtle (sūksma) oneegory of beings is mentioned in the Svetambara and Digambara texts verse) with nothing intervening between them."65 Although this car-They are indestructible or non-obstructive because nothing can kill bodies need no support and exist everywhere (in the occupied uni-I am also at a loss as to how to explain environmental harm in the

(

9

there are limits to harm. But it would be safe to say that except for case with gross-bodied beings. If one understands that these beings earth, water, fire, and air? It would seem that even within Jainism no separate discussion of them in the texts devoted to the conduct of that discuss the soul and karma, to the best of my knowledge, there is sensed beings can be harmed by the actions of humans. What we uncannot be harmed by others, then to what extent can one equate polluthis karma (udīraṇā) cannot be caused by external factors, as is the the rise of asala vedaniya karma. But apparently the premature rise of constitutes a gross one-sensed being that can be harmed by the actions in Jainism, and whenever this matter is currently embodying a soul, it touch, smell, taste, and sight. Such matter is classified as gross matter derstand as "earth" is that which can be detected via the senses of these very subtle forms of life, the environment in the form of onetion of the environment with harm to one-sensed beings in the form of mendicants. They must experience pain because they are subject to

caused in the course of living a householder's life.66 Instead, one right. However, one should not expect these same texts to provide social problems arose as people competed with each other for dwinguidance in deciding what should be done about environmental harm of moral consideration to include earth, water, and air in their own duct for mendicants provide strong evidence for expanding our circle was inevitable that things would only get worse over time as the dedling resources. As king, Rsabha could have done nothing, since it that food and the other necessities of life were no longer plentiful, and (avasarpiņī) when this was no longer the case. During the time of cyclical time, there came a point in the descending cycle of time unlike certain other locations in the universe that are not subject to from the manufacturing of goods for human consumption. However, species of plants and there was no damage to the earth, water, and air of affairs because there was no agriculture to affect the natural wild vṛkṣas).68 From an environmental perspective, this was an ideal state Adipurana of Jinasena. Here, it is said that long ago in Bharatashould book to stories in Jain narrative literature, such as the Rşabha, the first Tirthankara of our avasarpinī, conditions were such food and other necessities of life by wish-fulfilling trees (kalpaksetra, living conditions were such that people were supplied with Texts that discuss the nature of reality and what is appropriate con-

that he took. Instead, he taught the people agriculture and crafts so they could provide themselves with the things that previously had their very nature, must have been harmful to one-sensed beings. He sions (varnas) of Ksatriyas, Vaisyas, and Sūdras. It was one of his had renounced the world. Bharata decided which individuals should was made by observing those who, when faced with a choice of the by not trampling on the grass.

Throughout history Jains have been faced with making choices in their daily lives as they decide the extent to which they should follow the guidelines laid out for them by Jain ācāryas in texts detailing conduct appropriate for the lay community. In commenting on the list of fifteen trades forbidden to Jains as outlined in the Svetāmbara srāvakācāra texts, R. Williams has said:

The eternal dilemma of Jainism in laying down an ethos for the layman has been well put by Āṣādhara. The lay estate ... cannot exist without activity and there can be no activity without the taking of life; in its grosser form this is to be avoided sedulously but the implicit part of it is hard to avoid... [A]t least the keeping of animals and contact with any destructive implements are to be eschewed.

a household life, which is equated with life in a slaughterhouse of (sūna). Pounding, grinding, cooking, cleaning, and sweeping all impede the path to moksa because they cause the destruction of living beings. Over the centuries, Jains have decided whether to formally accept any or all of the anuvratas and to what degree they would curtail their activities. What limits on the acquisition of property and possessions might a person voluntarily abide by? To what extent might a person accept a vow to limit travel (dig-vrata) for a specified period of time since,

Like a heated iron sphere the layman will inevitably, as a result of pramāda, bring about the destruction of living creatures everywhere, whether he is walking, or eating, or sleeping, or working. The more his

The Nature of Nature

ings] and sthāvara-jīvas [those that cannot move on their own, all oneof moving from one place to another, beginning with two-sensed bemovements are restricted, the fewer trasa-jīvas [those that are capable sensed beings] will perish.72

between the purification of the soul, on the one hand, and unrestricted In this context, the question is what trade-offs would a person make

activity on the other?

ception of karma theory may be too radical, in spite of its logical conand industrialization, which causes harm to the earth, water, and air. and clothing. These comforts are not possible without development mans. For those who have not renounced the household life, a definiway needs to be found to balance their well-being with that of hu-If one accepts earth, water, fire, and air in this category, then some that accords moral standing to what in Jainism are one-sensed beings. when one contemplates putting into practice an environmental ethic sistency, to be taken seriously by modern India."73 cluding disasters like Bhopal) that result." However, "the Jaina conindustrial development practices and the environmental pollution (inthat rejects the ruthless exploitation of natural resources that modern ings in different forms, as Jaina karma theory does, provides an ethic As Harold Coward has observed, "Seeing earth, air, and water as bening water, mechanized transportation, adequate health care, shelter, physical comfort that is afforded by having access to electricity, runtion of well-being would, in general, include a certain degree of Today, there are practical considerations that need to be addressed

would not support the following statement: "while technically they ings whenever possible, to whatever degree possible, is still the ideal [plants and other barely living beings] may be morally considerable, to strive for, even on the part of householders. A Jain, therefore, trate, when faced with alternatives, avoiding harm to one-sensed be-As passages in Jain narrative literature and śrāvakācāra texts illusscarcely could have been imagined by the acaryas in centuries past live from mechanized transportation and forms of production that being done today to the earth, water, and air in the cities in which they or not eating after dark-must not ignore the reality of the harm that is standards of conduct laid down in centuries past—be it vegetarianism as described in their ancient texts, who are still conforming to the Nonetheless, Jains who accept as authoritative the nature of reality

> sensed beings. doing, they will try to minimize the use of and violence toward onein such a way as will be acceptable to the mendicant community. In so edly remain aware of one-sensed beings and will conduct themselves have traditionally supported them with great devotion, will undoubthave taken vows not to harm one-sensed beings, Jain laypeople, who monks and nuns in sufficient numbers as there are in India today, who make our day-to-day practical decisions. As long as there are Jain ests of all the living things that our actions affect into account as we gensitivity. Thus we may forever be unable actually to take the interpractically they may fall well below the human 'threshold' of moral

the environment of the earth on which we live. tives on the nature of nature and the one-sensed beings that constitute This question should be pondered with a view toward Jain perspecharm done to the environment from the way in which we live today? water, and air, what actions could be undertaken to compensate for In modern times, when it is not practical to avoid harm to the earth, to one-sensed beings could be eliminated by almsgiving to ascetics. Asadhara, impediments to spiritual well-being caused by harm done the activities involved in leading a household life. According to be done to offset the spiritual harm caused to one-sensed beings by In earlier times, the question has been raised regarding what could