

Environmentalism of the Poor

For more than two decades Anil Agarwal was India's most articulate and influential writer on the environment. His work was marked by his striking ability to synthesise the results of specialised scientific studies; his knack of communicating this synthesis in accessible prose; and the insistence that it was not enough for the environmentalist to hector and chastise, but offer solutions as well even if the state was unwilling to accept them as yet.

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The Berkeley Nobel Laureate George Akerlof once remarked of his fellow economists that if you showed them something that worked in practice, they would not be satisfied unless it was also shown to work in theory. This insight explains much about the dismal science, including why, as late as 1980, the MIT economist Lester Thurow could magisterially write: "If you look at the countries that are interested in environmentalism, or at the individuals who support environmentalism within each country, one is struck by the extent to which environmentalism is an interest of the upper middle class. Poor countries and poor individuals simply aren't interested."

It does not appear that Thurow looked very closely around the globe. For, seven years before he wrote his lines, the Chipko Andolan had decisively announced the poor's entry into the domain of environmentalism. Nor was Chipko unique: the decade of the 1970s saw a whole slew of movements in defence of local rights to forest, fish and water resources, as well as protests against large dams. These movements took place in India, Brazil, Malaysia, Ecuador and Kenya, and among peasants, pastoralists, and fisherfolk: that is, among communities even economists could identify as being poor.

Lester Thurow could write as he did because of the theory that environmentalism was a full stomach phenomenon. In the west, the rise of the green movement in the 1960s was widely interpreted as a manifestation of what was called 'post-materialism'. The consumer societies of the North Atlantic world, wrote the political scientist Ronald Inglehart, had collectively shifted "from giving top priority to physical sustenance and safety toward heavier emphasis on belonging, self-expression, and the quality of life".

It was thought – or rather, theorised – that a cultivated interest in the protection of nature was possible only when the necessities of life could be taken for granted. From this perspective, the poor were, quite simply, too poor to be green. Their waking hours were spent foraging for food, water, housing, energy: how could they be concerned with something as elevated as the environment?

Movements such as Chipko challenged the post-materialist hypothesis, in practice. But its decisive theoretical refutation was the work of the campaigning journalist Anil Agarwal, who died in Dehradun on the January 2, aged 54. Agarwal was a man of ferocious energy, intelligence, and commitment, these traits displayed early. At the Indian Institute of Technology, Kanpur, where he studied mechanical engineering, he was elected president of the Students' Gymkhana. After he graduated, he joined the *Hindustan Times* as a science reporter, this when his classmates were taking the already well trodden route to the US. His flair for communicating complex ideas in accessible language was recognised by the *New Scientist*, for whom he also began to write.

The story that changed Agarwal's life originated in a visit to the Alakananda Valley sometime in early 1975. The Chipko Andolan was then less than two years old. But Agarwal was impressed by what it had already done, and more impressed still by its leader, Chandi Prasad Bhatt. Bhatt was an organic intellectual who had sensed that protest was not enough; it must be followed by reconstruction, by the willed action of villagers in reclaiming and revegetating hillsides made barren by decades of commercial forestry.

Chandi Prasad Bhatt was, and is, shy and soft spoken, comfortable only in Hindi and Garhwali. It is for this reason that he remains less celebrated than is his due; insufficiently recognised as the true

founder of Indian environmentalism. He can never make it to the colour pages of the English press; but, met in his native lair, he has transformed and reshaped many lives. These include the village women whom he has inspired to plant and protect trees; and these also include numerous city dwellers who, following him, have come to bend their science and scholarship to the public weal.

Anil Agarwal returned from Garhwal with a story which, with a key word misspelt, was printed in the *New Scientist* under the title 'Ghandi's Ghost Protects the Himalayan Trees'. It might have been the first account of the Chipko movement in the international press. It was certainly a definitive moment in the career of its author. It was through Chipko that he came to understand that the poor had, if anything, a greater stake in the responsible management of the environment. That insight became the driving force of his work over the next 25 years.

In the mid-1970s Agarwal moved to London to work with the International Institute for Environment and Development. There he came under the caring tutelage of Barbara Ward, the author with René Dubos of *Only One Earth*, the 'official' text of the first United Nations Symposium on the Environment. Then, encouraged by that remarkable civil servant Lovraj Kumar, he decided to return to India, to found the Centre for Science and Environment in New Delhi.

Not long after founding CSE, Agarwal went for a meeting in Malaysia, a trip that was as definitive as his earlier trek to Garhwal. For his hosts in Penang, had just published a report on the 'State of Malaysia's Environment'. It was a slim document, but truly suggestive. No sooner had he read it did Agarwal start planning a more ambitious Indian version. The material was at hand, if one cared to look for it. For the natural resource conflicts of the 1970s had been attentively and sympathetically documented by our journalists, writing in English as well as in the Indian languages. The academic community was by and large blind to the degradation of nature, but here too there were exceptions, most notably the partnership of the ecologist Madhav Gadgil and the anthropologist Kailash Malhotra. These two had just completed an extended study on behalf of the newly instituted department of environment, which documented the shrinking access to nature in the villages and hamlets of India. And there was

also the work on fisheries by John Kurien and on common property by N S Jodha: two economists with a most atypical orientation towards fieldwork.

Drawing on these scattered studies, and aided by his gifted colleagues Ravi Chopra and Kalpana Sharma, Agarwal and the CSE published *The State of India's Environment 1982: A Citizens' Report*. This was a landmark in an intellectual sense, as the first serious overview of the use and abuse of nature in India. But its merits were as much about form as about content. The report was attractively produced and imaginatively laid out: plenty of pictures interwoven with the text, boxes artfully designed to highlight particularly salutary or egregious examples, numbers and tables sparingly but effectively used.

The First Citizens' Report was, in a word, a triumph. Two years later the CSE put out a Second Citizens' Report, edited by Agarwal and Sunita Narain, a brilliant, effervescent, young activist who had come to environmentalism through the Delhi-based students' group, Kalpavriksh. This report was presented as elegantly as its predecessor, but it was more thorough, and enriched also by two essays on the politics of the environment written by Agarwal and by Dunu Roy.

The Citizens' Reports were a simultaneous wake-up call to an insular academy, a half-blind state, and a somnolent public. They were read, discussed, and acted upon, and came to enjoy an influence far in excess of what its editors might have anticipated: an influence, however, that was not out of proportion to their intrinsic value. Among the signs of how good the reports were was who chose to translate them. These included the great Kannada novelist and polymath Shivram Karanth, as well as the respected environmentalist and Chipko historian Anupam Mishra, who rendered the reports into Hindi.

In between the publication of the two Citizens' Reports Anil Agarwal came to give a talk in Calcutta. I lived then in that city, and was in the last throes of a dissertation on forests and social protest in the Himalaya. During the course of my work I had met Agarwal, interviewed him on his own early encounters with Chipko, and raided with abandon his files on the movement that he generously placed at my disposal. Like him, I had met and been captivated by Chandi Prasad Bhatt. My conversion to their brand of environmentalism, however, was interrupted at every stage by my mileu, by the dominance in

Calcutta of a worldview that regarded ecology as a bourgeois deviation from the class struggle.

It was to such a sceptical audience that Anil Agarwal was asked to speak. The talk was held in the Mahabodhi Society, in a long low hall which, like all such places in Calcutta, had a marked scarcity of light. But this dark room was gloriously illuminated by the lecturer. Agarwal was a little man, five feet four inches tall at most, his figure made less prepossessing by a heavily banded pair of spectacles. Yet the glasses could not hide the sparkle, the slightness of his figure not overshadow the manifest energy and enthusiasm. Bobbing up and down the podium, he delivered a missionary sermon to a bunch of pagans, piling up example upon example of the destruction of nature and its impacts on the poor. The crowd, at first unbelieving, slowly came round, persuaded by the integrity of the man as much by the solid core of his message.

Agarwal was that rare bird, a superb public speaker who was also a fine writer. (Indians who are good at the one form of communication are generally hopeless at the other.) He had, as befitting a journalist, a way of immediately attracting the reader's attention, most often by an arresting juxtaposition. Thus his flamboyant but also deeply insightful remark of how natural resources management in India was a case of "19th century laws for 21st century realities". Thus also his mischievous yet not entirely facetious desire to define GNP afresh as 'Gross Nature Product'. I recall also a piece on how the Maharashtra government had been forbidden by the Forest Conservation Act to construct water taps for pilgrims en route to the shrine of Bhimashankar. Agarwal acidly suggested that they would get their way, and the pilgrims allowed to slake their thirst, were the application to the centre reworded to claim that the taps were intended for migrating elephants. (The recommendation was acutely topical, for the animal fundamentalist Maneka Gandhi was then environment minister.)

Under Agarwal's leadership CSE played a critical role in four different environmental campaigns. To begin with, the Chipko experience informed his participation in the countrywide struggle for a democratic forest management. This struggle won a partial success when, in 1988, the Indian parliament accepted that ecological stability and people's needs, rather than commercial exploitation, were

to be the cornerstones of the new, 'official', forest policy of India. Inspired by the same ideals of local participation and control were the CSE's seminars and reports on traditional water harvesting. These, emphasising the creative partnership between indigenous knowledge and collective action, were compiled in a valuable volume with the characteristically catchy title, *Dying Wisdom*.

Admiration for the work of Anil Agarwal and the CSE had never been confined to India. Nonetheless, their presence on the global stage was enhanced by the publication, in 1989, of *Global Warming in an Unequal World*, a CSE pamphlet co-authored by Agarwal and Sunita Narain. This made a distinction between the 'survival emissions' of the poor, as for instance the methane released by paddy cultivation, and the 'luxury emissions' of the rich, such as the noxious gases released into the atmosphere by the automobile-industrial complex. The conventional wisdom out of Washington sought to suggest that the poor were as responsible for global warming: thus countries such as India and China needed to be as quick and ready in their remedial measures as, say, the US and Germany. This wisdom had recently been restated in a report of the World Resources Institute, a report which Agarwal and Narain brutally took apart. They showed, first, that the WRI report erased the past, the historical responsibility for the build up of greenhouse gases by the industrialised countries, and second, that in its prescriptions for the future the WRI made the unfair and illogical assumption that the carbon 'sink' provided by the oceans and atmosphere should be divided in proportion to the magnitude of greenhouse gases currently emitted by each country. A more just and tenable assumption would be to allocate each individual human being an equal share of the carbon sink.

The WRI report, in sum, sought to blame the victims and reward the polluters. This was, said Agarwal and Narain, an unhappy but by no means unique illustration of the 'environmental colonialism' that ruled international negotiations on climate change and the protection of biodiversity. As the CSE complained in a 'Statement on Global Democracy' issued specially for the Earth Summit of June 1992:

There is no effort to create new levels of power that would allow all citizens of the world to participate in global environmental management. Today, the reality is that northern governments and institutions can,

using their economic and political power, intervene in, say, Bangladesh's development. But no Bangladeshi can intervene in the development processes of northern economies even if global warming caused largely by northern emissions may submerge half [their] country.

Even so, at least one Indian was able to positively intervene in global debates. Sometimes his influence passed unnoticed. Thus the Worldwatch Institute has reproduced, more-or-less wholesale, the framework of the CSE *Citizens Reports* in its own *State of the World Reports*, issued annually since 1987. These follow the Indian example in dividing the report into thematic sections, in using boxes as a key illustrative device, and in seeking to address multiple audiences, policy as well as popular. The imitation is so obvious that one wonders whether Agarwal ever sought to seek payment for his hard-won intellectual property.

Anil Agarwal was a little man possessed of an almost heroic determination. He conducted a long battle against chronic asthma. Then, in 1994, he was diagnosed as suffering from a very rare form of cancer, which affected the eyes and brain. From his sick bed and while in remission he planned and carried out his last campaign. This related to the shamefully high levels of air pollution in India's capital city, Delhi. The CSE report on the problem was called, with an evocative economy so typical of the man, *Slow Murder*. This report almost singlehandedly forced the government to introduce remedial measures, these aimed both at vehicles and at factories. Agarwal's own insistence on Compressed Natural Gas as the sole alternative to existing fuels became somewhat controversial. The jury is still out on whether CNG or low-sulphur diesel is the more suitable choice, yet there is no gainsaying the fact that without Agarwal and the CSE, the citizens of Delhi might still be subject to the ancien regime of pollution unchecked and undiagnosed.

For more than 20 years Anil Agarwal was perhaps India's most articulate and influential writer on the environment. Viewing his career in the round, one is struck by several features. First, the ability to synthesise the results of specialised scientific studies. Second, the knack of communicating this synthesis in accessible prose. Third, the insistence that it was not enough for the environmentalist to hector and chastise: solutions had to be offered, even if the state was as yet unwilling to act upon them.

One is impressed, too, by the range of Agarwal's work. Forests, water, biodiversity, climate change at the global level, air pollution in a single city: he had studied and written about them all. What united these dispersed and prolific writings is that Agarwal sought always to approach environmental problems from the perspective of the poor. His oeuvre provided an intellectual and moral challenge to the belief that the poor were too poor to be green. He demonstrated that in the biomass economies of the rural third world, the poor had a vital interest in the careful management of forests, soil, pasture, and water. (The rich could more easily shift to alternative fuels and building materials.) In his later work, he showed likewise that the more prosperous the country or community, the more likely it was to insulate itself from the harmful effects of pollution, while passing on the burden to the disadvantaged.

If one were forced to recommend a single essay of Agarwal, it must be his World Conservation Lecture of 1985, first published in *The Environmentalist* 1986, and reprinted in an anthology edited by the present writer, (*Social Ecology*, OUP, 1994). This presents a detailed picture of environmental destruction in India, against the backdrop of the rather different western experience. The examples are drawn from across the country, and deal with different natural resources. But the conclusions are crisply and unambiguously stated. The 'first lesson' is that "the main source of environmental destruction in the world is the demand for natural resources generated by the consumption of the rich (whether they are rich nations or rich individuals and groups within nations)..." The 'second lesson' is that "it is the poor who are affected the most by environmental destruction"; thus, "eradication of poverty in a country like India is simply not possible without the rational management of our environment and that, conversely, environmental destruction will only intensify poverty".

In this essay of 1986 Agarwal anticipates a theme later picked up by feminist writers. As he put it,

The destruction of the environment clearly poses the biggest threat to marginal cultures and occupations like that of tribals, nomads, fisherfolk and artisans, which have always been heavily dependent on their immediate environment for their survival. But the maximum impact of the destruction of biomass sources is on women. Women in all rural cultures are affected, especially

women from poor landless, marginal and small farming families. Seen from the point of view of these women, it can be argued that all development is ignorant of women's needs, and often anti-women, literally designed to increase their work burden.

The processes of resource degradation, wrote Agarwal, had made it more difficult and dangerous for women to go about the business of fuel, fodder and water collection. He made an inspired distinction between 'male' trees-species promoted by the forest departments that seek to increase cash income – and 'female' species, those species that lighten the woman's load yet tend not to be favoured by public agencies. On the whole, Agarwal's understanding of the gender dimensions of the environment debate was indubitably ahead of his time. It has always seemed to me that his precocity has not been adequately recognised, perhaps because in this regard he happened to belong to the wrong gender himself.

It was, I think, Voltaire who said that while one might seek to flatter the living, the dead deserve nothing less than the truth. No assessment of Anil Agarwal as writer and activist can overlook his flaws. These were personal and they were intellectual. Thus, while the first two, pioneering, *Citizens' Reports* were being produced, Agarwal and the CSE were catalysts to a genuinely collaborative exercise. Over the years, however, Agarwal came to distance himself from many other individuals and trends in the environmental community, who had once worked with him and contributed to his reports. Perhaps this alienation was related to his creeping cancer. Still, one could not altogether overcome the suspicion that the CSE would participate in a campaign only if it could orchestrate and direct it. One example was the organisation's withdrawal, over the past decade, from the continuing struggle for forest democracy. Again, it is something of a pity that the activities of the Narmada Bachao Andolan were never adequately covered in the pages of the CSE fortnightly, *Down to Earth*. Future historians of this most important social movement will find more meat in reports in daily newspapers than they would in a journal that specialised in the environment.

Agarwal had a deeply prejudiced attitude towards the bureaucracy, which he distrusted and seemed at times even to despise. This is a trait shared by some kinds of Gandhians and some kinds of Marxists, and indeed Agarwal was a sort of socialist Gandhian himself. What made his

prejudice less palatable, however, is that he also had a curious fascination for ruling politicians. At various times he closely identified himself with Rajiv Gandhi, Kamal Nath, and Digvijay Singh, individuals with regard to whom he kept in abeyance his otherwise skeptical attitude towards power and authority.

In a recent interview to *Seminar*, Agarwal described the bureaucracy as “pig-headed, obstinate and stupid”. “I don’t expect the bureaucracy to do it”, he added, speaking of natural resource management, adding: “The only way the bureaucracy will work together is if there is a drive from the top.” These strictures were excessive as well as false: forestry reform in West Bengal was initiated by capable and far-sighted officials without any kind of directive from the ‘top’. There are good bureaucrats as well as bad ones. Agarwal hoped to dispense with the class altogether, a wish that seems naive in light of the needs of a complex

modern society. (Perhaps in a long distant past a benevolent raja could actually ‘return the forests to the people’.) Our politicians need to be sensitised and, in my view more crucially, our bureaucrats, humanised. This will, of course, take much persuasion and agitation. Still, a sustainable system of environmental management cannot come about by turning one’s back on officials of the state, whether they be paid or elected.

There are environmental activists who felt wounded by Agarwal’s capricious behaviour, and there are environmental scholars who were obliged to state their disagreement with aspects of his work. Yet even when we stopped speaking with him we still read him. That is one measure of his importance, but I hope I have adequately stressed the other measures too. It was a privilege to have known him, and an honour to have been a fellow traveller on that rocky road, the Indian road to sustainability. **EW**