

THE ENVIRONMENT AS PROBLEM: I

**Up and down with
ecology—
the “issue-attention
cycle”**

ANTHONY DOWNS

American public attention rarely remains sharply focused upon any one domestic issue for very long—even if it involves a continuing problem of crucial importance to society. Instead, a systematic “issue-attention cycle” seems strongly to influence public attitudes and behavior concerning most key domestic problems. Each of these problems suddenly leaps into prominence, remains there for a short time, and then—though still largely unresolved—gradually fades from the center of public attention. A study of the way this cycle operates provides insights into how long public attention is likely to remain sufficiently focused upon any given issue to generate enough political pressure to cause effective change.

The shaping of American attitudes toward improving the quality of our environment provides both an example and a potential test of this “issue-attention cycle.” In the past few years, there has been a remarkably widespread upsurge of interest in the quality of our environment. This change in public attitudes has been much faster than any changes in the environment itself. What has caused this shift in public attention? Why did this issue suddenly assume so high a priority among our domestic concerns? And how long will the American public sustain high-intensity interest in ecological mat-

ters? I believe that answers to these questions can be derived from analyzing the “issue-attention cycle.”

The dynamics of the “issue-attention cycle”

Public perception of most “crises” in American domestic life does not reflect changes in real conditions as much as it reflects the operation of a systematic cycle of heightening public interest and then increasing boredom with major issues. This “issue-attention cycle” is rooted both in the nature of certain domestic problems and in the way major communications media interact with the public. The cycle itself has five stages, which may vary in duration depending upon the particular issue involved, but which almost always occur in the following sequence:

1. **The pre-problem stage.** This prevails when some highly undesirable social condition exists but has not yet captured much public attention, even though some experts or interest groups may already be alarmed by it. *Usually, objective conditions regarding the problem are far worse during the pre-problem stage than they are by the time the public becomes interested in it.* For example, this was true of racism, poverty, and malnutrition in the United States.

2. **Alarmed discovery and euphoric enthusiasm.** As a result of some dramatic series of events (like the ghetto riots in 1965 to 1967), or for other reasons, the public suddenly becomes both aware of and alarmed about the evils of a particular problem. This alarmed discovery is invariably accompanied by euphoric enthusiasm about society’s ability to “solve this problem” or “do something effective” within a relatively short time. The combination of alarm and confidence results in part from the strong public pressure in America for political leaders to claim that every problem can be “solved.” This outlook is rooted in the great American tradition of optimistically viewing most obstacles to social progress as *external* to the structure of society itself. The implication is that every obstacle can be eliminated and every problem solved *without any fundamental reordering of society itself*, if only we devote sufficient effort to it. In older and perhaps wiser cultures, there is an underlying sense of irony or even pessimism which springs from a widespread and often confirmed belief that many problems cannot be “solved” *at all* in any complete sense. Only recently has this more pessimistic view begun to develop in our culture.

3. **Realizing the cost of significant progress.** The third stage consists of a gradually spreading realization that the cost of “solving” the

problem is very high indeed. Really doing so would not only take a great deal of money but would also require major sacrifices by large groups in the population. The public thus begins to realize that part of the problem results from arrangements that are providing significant benefits to someone—often to millions. For example, traffic congestion and a great deal of smog are caused by increasing automobile usage. Yet this also enhances the mobility of millions of Americans who continue to purchase more vehicles to obtain these advantages.

In certain cases, technological progress can eliminate some of the undesirable results of a problem without causing any major restructuring of society or any loss of present benefits by others (except for higher money costs). In the optimistic American tradition, such a technological solution is initially assumed to be possible in the case of nearly every problem. Our most pressing social problems, however, usually involve either deliberate or unconscious exploitation of one group in society by another, or the prevention of one group from enjoying something that others want to keep for themselves. For example, most upper-middle-class whites value geographic separation from poor people and blacks. Hence any equality of access to the advantages of suburban living for the poor and for blacks cannot be achieved without some sacrifice by middle-class whites of the “benefits” of separation. The increasing recognition that there is this type of relationship between the problem and its “solution” constitutes a key part of the third stage.

4. **Gradual decline of intense public interest.** The previous stage becomes almost imperceptibly transformed into the fourth stage: a gradual decline in the intensity of public interest in the problem. As more and more people realize how difficult, and how costly to themselves, a solution to the problem would be, three reactions set in. Some people just get discouraged. Others feel positively threatened by thinking about the problem; so they suppress such thoughts. Still others become bored by the issue. Most people experience some combination of these feelings. Consequently, public desire to keep attention focused on the issue wanes. And by this time, some other issue is usually entering Stage Two; so it exerts a more novel and thus more powerful claim upon public attention.

5. **The post-problem stage.** In the final stage, an issue that has been replaced at the center of public concern moves into a prolonged limbo—a twilight realm of lesser attention or spasmodic recurrences of interest. However, the issue now has a different relation to public attention than that which prevailed in the “pre-problem” stage. For

one thing, during the time that interest was sharply focused on this problem, new institutions, programs, and policies may have been created to help solve it. These entities almost always persist and often have some impact even after public attention has shifted elsewhere. For example, during the early stages of the “War on Poverty,” the Office of Economic Opportunity (OEO) was established, and it initiated many new programs. Although poverty has now faded as a central public issue, OEO still exists. Moreover, many of its programs have experienced significant success, even though funded at a far lower level than would be necessary to reduce poverty decisively.

Any major problem that once was elevated to national prominence may sporadically recapture public interest; or important aspects of it may become attached to some other problem that subsequently dominates center stage. Therefore, problems that have gone through the cycle almost always receive a higher average level of attention, public effort, and general concern than those still in the pre-discovery stage.

Which problems are likely to go through the cycle?

Not all major social problems go through this “issue-attention cycle.” Those which do generally possess to some degree three specific characteristics. First, the majority of persons in society are not suffering from the problem nearly as much as some minority (a *numerical* minority, not necessarily an *ethnic* one). This is true of many pressing social problems in America today—poverty, racism, poor public transportation, low-quality education, crime, drug addiction, and unemployment, among others. The number of persons suffering from each of these ills is very large *absolutely*—in the millions. But the numbers are small *relatively*—usually less than 15 per cent of the entire population. Therefore, most people do not suffer directly enough from such problems to keep their attention riveted on them.

Second, the sufferings caused by the problem are generated by social arrangements that provide significant benefits to a majority or a powerful minority of the population. For example, Americans who own cars—plus the powerful automobile and highway lobbies—receive short-run benefits from the prohibition of using motor-fuel tax revenues for financing public transportation systems, even though such systems are desperately needed by the urban poor.

Third, the problem has no intrinsically exciting qualities—or no longer has them. When big-city racial riots were being shown nightly on the nation’s television screens, public attention naturally focused

upon their causes and consequences. But when they ceased (or at least the media stopped reporting them so intensively), public interest in the problems related to them declined sharply. Similarly, as long as the National Aeronautics and Space Administration (NASA) was able to stage a series of ever more thrilling space shots, culminating in the worldwide television spectacular of Americans walking on the moon, it generated sufficient public support to sustain high-level Congressional appropriations. But NASA had nothing half so dramatic for an encore, and repetition of the same feat proved less and less exciting (though a near disaster on the third try did revive audience interest). So NASA's Congressional appropriations plummeted.

A problem must be dramatic and exciting to maintain public interest because news is "consumed" by much of the American public (and by publics everywhere) largely as a form of entertainment. As such, it competes with other types of entertainment for a share of each person's time. Every day, there is a fierce struggle for space in the highly limited universe of newsprint and television viewing time. Each issue vies not only with all other social problems and public events, but also with a multitude of "non-news" items that are often far more pleasant to contemplate. These include sporting news, weather reports, crossword puzzles, fashion accounts, comics, and daily horoscopes. In fact, the amount of television time and newspaper space devoted to sports coverage, as compared to international events, is a striking commentary on the relative value that the public places on knowing about these two subjects.

When all three of the above conditions exist concerning a given problem that has somehow captured public attention, the odds are great that it will soon move through the entire "issue-attention cycle"—and therefore will gradually fade from the center of the stage. The first condition means that most people will not be continually reminded of the problem by their own suffering from it. The second condition means that solving the problem requires sustained attention and effort, plus fundamental changes in social institutions or behavior. This in turn means that significant attempts to solve it are threatening to important groups in society. The third condition means that the media's sustained focus on this problem soon bores a majority of the public. As soon as the media realize that their emphasis on this problem is threatening many people and boring even more, they will shift their focus to some "new" problem. This is particularly likely in America because nearly all the media are run for profit, and they make the most money by appealing to the largest

possible audiences. Thus, as Marshall McLuhan has pointed out, it is largely the audience itself—the American public—that “manages the news” by maintaining or losing interest in a given subject. As long as this pattern persists, we will continue to be confronted by a stream of “crises” involving particular social problems. Each will rise into public view, capture center stage for a while, and then gradually fade away as it is replaced by more fashionable issues moving into their “crisis” phases.

The rise of environmental concern

Public interest in the quality of the environment now appears to be about midway through the “issue-attention cycle.” Gradually, more and more people are beginning to realize the immensity of the social and financial costs of cleaning up our air and water and of preserving and restoring open spaces. Hence much of the enthusiasm about prompt, dramatic improvement in the environment is fading. There is still a great deal of public interest, however, so it cannot be said that the “post-problem stage” has been reached. In fact, as will be discussed later, the environmental issue may well retain more attention than social problems that affect smaller proportions of the population. Before evaluating the prospects of long-term interest in the environment, though, it is helpful to analyze how environmental concern passed through the earlier stages in the “issue-attention cycle.”

The most obvious reason for the initial rise in concern about the environment is the recent deterioration of certain easily perceived environmental conditions. A whole catalogue of symptoms can be arrayed, including ubiquitous urban smog, greater proliferation of solid waste, oceanic oil spills, greater pollution of water supplies by DDT and other poisons, the threatened disappearance of many wild-life species, and the overcrowding of a variety of facilities from commuter expressways to National Parks. Millions of citizens observing these worsening conditions became convinced that *someone* ought to “do something” about them. But “doing something” to reduce environmental deterioration is not easy. For many of our environmental problems have been caused by developments which are highly valued by most Americans.

The very abundance of our production and consumption of material goods is responsible for an immense amount of environmental pollution. For example, electric power generation, if based on fossil fuels, creates smoke and air pollution or, if based on nuclear fuels, causes

rising water temperatures. Yet a key foundation for rising living standards in the United States during this century has been the doubling of electric power consumption every 10 years. So more pollution is the price we have paid for the tremendous advantages of being able to use more and more electricity. Similarly, much of the litter blighting even our remotest landscapes stems from the convenience of using "throw-away packages." Thus, to regard environmental pollution as a purely external negative factor would be to ignore its direct linkage with material advantages most citizens enjoy.

Another otherwise favorable development that has led to rising environmental pollution is what I would call the democratization of privilege. Many more Americans are now able to participate in certain activities that were formerly available only to a small, wealthy minority. Some members of that minority are incensed by the consequences of having their formerly esoteric advantages spread to "the common man." The most frequent irritant caused by the democratization of privilege is congestion. Rising highway congestion, for example, is denounced almost everywhere. Yet its main cause is the rapid spread of automobile ownership and usage. In 1950, about 59 per cent of all families had at least one automobile, and seven per cent owned two or more. By 1968, the proportion of families owning at least one automobile had climbed to 79 per cent, and 26 per cent had two or more cars. In the 10 years from 1960 to 1970, the total number of registered automotive vehicles rose by 35 million (or 47 per cent), as compared to a rise in human population of 23 million (or only 13 per cent). Moreover, it has been estimated that motor vehicles cause approximately 60 per cent of all air pollution. So the tremendous increase in smog does not result primarily from larger population, but rather from the democratization of automobile ownership.

The democratization of privilege also causes crowding in National Parks, rising suburban housing density, the expansion of new subdivisions into formerly picturesque farms and orchards, and the transformation of once tranquil resort areas like Waikiki Beach into forests of high-rise buildings. It is now difficult for the wealthy to flee from busy urban areas to places of quiet seclusion, because so many more people can afford to go with them. *The elite's environmental deterioration is often the common man's improved standard of living.*

Our soaring aspirations

A somewhat different factor which has contributed to greater concern with environmental quality is a marked increase in our aspira-

tions and standards concerning what our environment ought to be like. In my opinion, rising dissatisfaction with the “system” in the United States does not result primarily from poorer performance by that system. Rather, it stems mainly from a rapid escalation of our aspirations as to what the system’s performance ought to be. Nowhere is this phenomenon more striking than in regard to the quality of the environment. One hundred years ago, white Americans were eliminating whole Indian tribes without a qualm. Today, many serious-minded citizens seek to make important issues out of the potential disappearance of the whooping crane, the timber wolf, and other exotic creatures. Meanwhile, thousands of Indians in Brazil are still being murdered each year—but American conservationists are not focusing on that human massacre. Similarly, some aesthetes decry “galloping sprawl” in metropolitan fringe areas, while they ignore acres of rat-infested housing a few miles away. Hence the escalation of our environmental aspirations is more selective than might at first appear.

Yet regarding many forms of pollution, we are now rightly upset over practices and conditions that have largely been ignored for decades. An example is our alarm about the dumping of industrial wastes and sewage into rivers and lakes. This increase in our environmental aspirations is part of a general cultural phenomenon stimulated both by our success in raising living standards and by the recent emphases of the communications media. Another cause of the rapid rise in interest in environmental pollution is the “explosion” of alarmist rhetoric on this subject. According to some well-publicized experts, all life on earth is threatened by an “environmental crisis.” Some claim human life will end within three decades or less if we do not do something drastic about current behavior patterns.

Are things really that bad? Frankly, I am not enough of an ecological expert to know. But I am skeptical concerning all highly alarmist views because so many previous prophets of doom and disaster have been so wrong concerning many other so-called “crises” in our society.

There are two reasonable definitions of “crisis.” One kind of crisis consists of a rapidly deteriorating situation moving towards a single disastrous event at some future moment. The second kind consists of a more gradually deteriorating situation that will eventually pass some subtle “point of no return.” At present, I do not believe either of these definitions applies to most American domestic problems. Although many social critics hate to admit it, the American “system” actually serves the majority of citizens rather well in terms of most indicators of well-being. Concerning such things as real income, per-

sonal mobility, variety and choice of consumption patterns, longevity, health, leisure time, and quality of housing, most Americans are better off today than they have ever been and extraordinarily better off than most of mankind. What is *not* improving is the gap between society's performance and what most people—or at least highly vocal minorities—believe society *ought* to be doing to solve these problems. Our aspirations and standards have risen far faster than the beneficial outputs of our social system. Therefore, although most Americans, including most of the poor, are receiving more now, they are enjoying it less.

This conclusion should not be confused with the complacency of some super-patriots. It would be unrealistic to deny certain important negative trends in American life. Some conditions are indeed getting worse for nearly everyone. Examples are air quality and freedom from thievery. Moreover, congestion and environmental deterioration might forever destroy certain valuable national amenities if they are not checked. Finally, there has probably been a general rise in personal and social anxiety in recent years. I believe this is due to increased tensions caused by our rapid rate of technical and social change, plus the increase in worldwide communication through the media. These developments rightly cause serious and genuine concern among millions of Americans.

The future of the environmental issue

Concern about the environment has passed through the first two stages of the "issue-attention cycle" and is by now well into the third. In fact, we have already begun to move toward the fourth stage, in which the intensity of public interest in environmental improvement must inexorably decline. And this raises an interesting question: Will the issue of environmental quality then move on into the "post-problem" stage of the cycle?

My answer to this question is: Yes, but not soon, because certain characteristics of this issue will protect it from the rapid decline in public interest typical of many other recent issues. First of all, many kinds of environmental pollution are much more visible and more clearly threatening than most other social problems. This is particularly true of air pollution. The greater the apparent threat from visible forms of pollution and the more vividly this can be dramatized, the more public support environmental improvement will receive and the longer it will sustain public interest. Ironically, the cause of ecologists would therefore benefit from an environmental disaster like a "killer

smog” that would choke thousands to death in a few days. Actually, this is nothing new; every cause from early Christianity to the Black Panthers has benefited from martyrs. Yet even the most powerful symbols lose their impact if they are constantly repeated. The piteous sight of an oil-soaked seagull or a dead soldier pales after it has been viewed even a dozen times. Moreover, some of the worst environmental threats come from forms of pollution that are invisible. Thus, our propensity to focus attention on what is most visible may cause us to clean up the pollution we can easily perceive while ignoring even more dangerous but hidden threats.

Pollution is also likely to be kept in the public eye because it is an issue that threatens almost everyone, not just a small percentage of the population. Since it is not politically divisive, politicians can safely pursue it without fearing adverse repercussions. Attacking environmental pollution is therefore much safer than attacking racism or poverty. For an attack upon the latter antagonizes important blocs of voters who benefit from the sufferings of others or at least are not threatened enough by such suffering to favor spending substantial amounts of their money to reduce it.

A third strength of the environmental issue is that much of the “blame” for pollution can be attributed to a small group of “villains” whose wealth and power make them excellent scapegoats. Environmental defenders can therefore “courageously” attack these scapegoats without antagonizing most citizens. Moreover, at least in regard to air pollution, that small group actually has enough power greatly to reduce pollution if it really tries. If leaders of the nation’s top auto-producing, power-generating, and fuel-supplying firms would change their behavior significantly, a drastic decline in air pollution could be achieved very quickly. This has been demonstrated at many locations already.

Gathering support for attacking any problem is always easier if its ills can be blamed on a small number of “public enemies”—as is shown by the success of Ralph Nader. This tactic is especially effective if the “enemies” exhibit extreme wealth and power, eccentric dress and manners, obscene language, or some other uncommon traits. Then society can aim its outrage at a small, alien group without having to face up to the need to alter its own behavior. It is easier to find such scapegoats for almost all forms of pollution than for other major problems like poverty, poor housing, or racism. Solutions to those problems would require millions of Americans to change their own behavior patterns, to accept higher taxes, or both.

The possibility that technological solutions can be devised for most

pollution problems may also lengthen the public prominence of this issue. To the extent that pollution can be reduced through technological change, most people's basic attitudes, expectations, and behavior patterns will not have to be altered. The traumatic difficulties of achieving major institutional change could thus be escaped through the "magic" of purely technical improvements in automobile engines, water purification devices, fuel composition, and sewage treatment facilities.

Financing the fight against pollution

Another aspect of anti-pollution efforts that will strengthen their political support is that most of the costs can be passed on to the public through higher product prices rather than higher taxes. Therefore, politicians can demand enforcement of costly environmental quality standards without paying the high political price of raising the required funds through taxes. True, water pollution is caused mainly by the actions of public bodies, especially municipal sewer systems, and effective remedies for this form of pollution require higher taxes or at least higher prices for public services. But the major costs of reducing most kinds of pollution can be added to product prices and thereby quietly shifted to the ultimate consumers of the outputs concerned. This is a politically painless way to pay for attacking a major social problem. In contrast, effectively combatting most social problems requires large-scale income redistribution attainable only through both higher taxes and higher transfer payments or subsidies. Examples of such politically costly problems are poverty, slum housing, low-quality health care for the poor, and inadequate public transportation.

Many ecologists oppose paying for a cleaner environment through higher product prices. They would rather force the polluting firms to bear the required costs through lower profits. In a few oligopolistic industries, like petroleum and automobile production, this might work. But in the long run, not much of the total cost could be paid this way without driving capital out of the industries concerned and thereby eventually forcing product prices upwards. Furthermore, it is just that those who use any given product should pay the full cost of making it—including the cost of avoiding excessive pollution in its production. Such payment is best made through higher product prices. In my opinion, it would be unwise in most cases to try to pay these costs by means of government subsidies in order to avoid shifting the load onto consumers. We need to conserve our politically

limited taxing capabilities to attack those problems that cannot be dealt with in any other way.

Still another reason why the cleaner-environment issue may last a long time is that it could generate a large private industry with strong vested interests in continued spending against pollution. Already dozens of firms with “eco-” or “environ-” in their names have sprung up to exploit supposedly burgeoning anti-pollution markets. In time, we might even generate an “environmental-industrial complex” about which some future President could vainly warn us in his retirement speech! Any issue gains longevity if its sources of political support and the programs related to it can be institutionalized in large bureaucracies. Such organizations have a powerful desire to keep public attention focused on the problems that support them. However, it is doubtful that the anti-pollution industry will ever come close to the defense industry in size and power. Effective anti-pollution activities cannot be carried out separately from society as a whole because they require changes in behavior by millions of people. In contrast, weapons are produced by an industry that imposes no behavioral changes (other than higher taxes) on the average citizen.

Finally, environmental issues may remain at center stage longer than most domestic issues because of their very ambiguity. “Improving the environment” is a tremendously broad and all-encompassing objective. Almost everyone can plausibly claim that his or her particular cause is another way to upgrade the quality of our life. This ambiguity will make it easier to form a majority-sized coalition favoring a variety of social changes associated with improving the environment. The inability to form such a coalition regarding problems that adversely affect only minority-sized groups usually hastens the exit of such problems from the center of public attention.

All the factors set forth above indicate that circumstances are unusually favorable for launching and sustaining major efforts to improve the quality of our environment. Yet we should not underestimate the American public’s capacity to become bored—especially with something that does not immediately threaten them, or promise huge benefits for a majority, or strongly appeal to their sense of injustice. In the present mood of the nation, I believe most citizens do not want to confront the need for major social changes on any issues except those that seem directly to threaten them—such as crime and other urban violence. And even in regard to crime, the public does not yet wish to support really effective changes in our basic system of justice. The present Administration has apparently concluded that a relatively “low-profile” government—one that does not try to lead the

public into accepting truly significant institutional changes—will most please the majority of Americans at this point. Regardless of the accuracy of this view, if it remains dominant within the federal government, then no major environmental programs are likely to receive long-sustained public attention or support.

Some proponents of improving the environment are relying on the support of students and other young people to keep this issue at the center of public attention. Such support, however, is not adequate as a long-term foundation. Young people form a highly unstable base for the support of any policy because they have such short-lived “staying power.” For one thing, they do not long enjoy the large amount of free time they possess while in college. Also, as new individuals enter the category of “young people” and older ones leave it, different issues are stressed and accumulated skills in marshaling opinion are dissipated. Moreover, the radicalism of the young has been immensely exaggerated by the media’s tendency to focus attention upon those with extremist views. In their attitudes toward political issues, most young people are not very different from their parents.

There is good reason, then, to believe that the bundle of issues called “improving the environment” will also suffer the gradual loss of public attention characteristic of the later stages of the “issue-attention cycle.” However, it will be eclipsed at a much slower rate than other recent domestic issues. So it may be possible to accomplish some significant improvements in environmental quality—if those seeking them work fast.