The Price of Progress

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In aiming at progress...you must let no one suffer by too drastic a measure, nor pay too high a price in upheaval and devastation, for your innovation.

Mannier, 1949: 725

Until recently, government planners have always considered economic development and progress beneficial goals that all societies should want to strive toward. The social advantage of progress—as defined in terms of increased incomes, higher standards of living, greater security, and better health—was thought to be positive, universal goods, to be obtained at any price. Although one may argue that tribal peoples must sacrifice their traditional cultures to obtain these benefits, government planners generally feel that this is a small price to pay for such obvious advantages.

In earlier chapters [in Victims of Progress, 3rd ed.], evidence was presented to demonstrate that autonomous tribal peoples have not chosen progress to enjoy its advantages, but that governments have pushed progress upon them to obtain tribal resources, not primarily to share with the tribal peoples the benefits of progress. It has also been shown that the price of forcing progress on unwilling recipients has involved the deaths of millions of tribal people, as well as their loss of land, political sovereignty, and the right to follow their own life style. This chapter does not attempt to further summarize what aspect of the cost of progress, but instead analyzes the specific effects of the participation of tribal peoples in the world-market economy. In direct opposition to the usual interpretation, it is argued here that the benefits of progress are often both illusory and detrimental to tribal peoples when they have not been allowed to control their own resources and define their relationship to the market economy.

Progress and the Quality of Life

One of the primary difficulties in assessing the benefits of progress and economic development for any culture is that of establishing a meaningful measure of both benefit and detriment. It is widely recognized that standard of living, which is the most frequently used measure of progress, is an inextricably ethnocentric concept relying heavily upon indicators that lack universal cultural relevance. Such factors as GNP, per capita income, capital formation, employment rates, literacy, formal education, consumption of manufactured goods, number of doctors and hospital beds per thousand persons, and the amount of money spent on government welfare and health programs may be irrelevant measures of actual quality of life for autonomous or even semi-autonomous tribal cultures. In the 1954 report, the Trust Territory government indicated that since the Micronesian population was still largely satisfying its own needs within a cashless subsistence economy, "money income is not a significant measure of living standards, production, or well-being in this area" (CTR, 1954: 44). Unfortunately, within a short time the government began to rely on an enumeration of certain imported consumer goods as indicators of a higher standard of living in the islands, even though many tradition-oriented islanders felt that these new goods symbolized a lowering of the quality of life.

A more useful measure of the benefits of progress might be based on a formula for evaluating cultures devised by Goldschmidt (1952: 135). According to these less ethnocentric criteria, the important question to ask is: Does progress or economic development increase or decrease a given culture’s ability to satisfy the physical and psychological needs of its population, or its stability? This question is a far more direct measure of quality of life than are the standard economic correlates of development, and it is universally relevant. Specific indication of this standard of living could be found for any society in the nutritional status and general physical and mental health of its population, the incidence of crime and delinquency, the demographic structure, family stability, and the society’s relationship to its natural resource base. A society with high rates of malnutrition and crime, and one degrading its natural environment to the extent of threatening its continued existence, might be described as at a lower standard of living than is another society where these problems did not exist.

Careful examination of the data, which compare, on these specific points, the former condition of self-sufficient tribal peoples with their condition following their incorporation into the world-market economy, leads to the conclusion that their standard of living is lowered, not raised; by economic progress—and often to a dramatic degree. This is perhaps the most outstanding and inescapable fact to emerge from the years.
of research that anthropologists have devoted to the study of culture change and modernization. Despite the best intentions of those who have promoted change and improvement, all too often the results have been poverty, longer working hours, and greater exploitation, poor health, social disorder, discontent, discrimination, overpopulation, and environmental deterioration—combined with the destruction of the traditional culture.

**Diseases of Development**

Perhaps it would be useful for public health specialists to start talking about a new category of diseases... Such diseases could be called the "diseases of development" and would consist of those pathological conditions which are based on the usually unanticipated consequences of the implementation of developmental schemes.

Hughes & Hunter, 1972: 93

Economic development increases the disease rate of affected peoples in at least three ways. First, to the extent that development is successful, it makes developed populations suddenly become valuable to all of the diseases suffered almost exclusively by "advanced" peoples. Among these are diabetes, obesity, hypertension, and a variety of circulatory problems. Second, development disrupts traditional environmental balances and may dramatically increase certain bacterial and parasitic diseases. Finally, when development goals prove unattainable, an assortment of poverty diseases may appear in association with the crowded conditions of urban slums and the general breakdown in traditional socioeconomic systems.

Outstanding examples of the first situation can be seen in the Pacific, where some of the most successfully developed native peoples are found. In Micronesia, where development has progressed more rapidly than perhaps anywhere else, between 1958 and 1972 the population doubled, but the number of patients treated for heart disease in the local hospitals nearly tripled, mental disorder increased eightfold, and by 1972 hypertension and nutritional deficiencies began to make significant appearances (for the first time (TTK, 1959, 1973, statistical tables).

Although some critics argue that the Micronesian figures simply represent better health accounting due to economic progress, rigorously controlled data from Polynesia show a similar trend. The progressive acquisition of modern degenerative diseases was documented by an eight-member team of New Zealand medical specialists, anthropologists, and nutritionists, whose research was funded by the Medical Research Council of New Zealand and the World Health Organization. These researchers investigated the health status of a genetically related population at various points along a continuum of increasing cash income, modernizing diet, and urbanization. The extent on this acculturation continuum were represented by the relatively traditional Polynesian of the Cook Islands and the essentially Euro-american New Zealand Maori, while the busily developing Rarotongan, also of the Cook Islands, occupied the intermediate position. In 1971, after eight years of work, the team's preliminary findings were summarized by Dr. Ian Prior, cardiologist and leader of the research, as follows:

We are beginning to observe that the more an islander takes on the ways of the West, the more prone he is to succumb to our degenerative diseases. In fact, it does not seem too much to say our evidence now shows that the further the Pacific natives move from the quiet, carefree life of their ancestors, the closer they come to gout, diabetes, arteriosclerosis, obesity, and hypertension.

Prior, 1971: 2

In Pukapuka, where progress was limited by the island's small size and its isolated location some 480 kilometers from the nearest port, the accrual per capita income was only about thirty-six dollars and the economy remained essentially at a subsistence level. Resources were limited and the area was visited by trading ships only three or four times a year; thus, there was little opportunity for intensive economic development. Predictably, the population of Pukapuka was characterized by relatively low levels of imported sugar and salt intake, and a presumably related low level of heart disease, high blood pressure, and diabetes. In Rarotonga, where economic success was introducing town life, imported food, and motorcycles, sugar and salt intakes nearly tripled, high blood pressure increased approximately ninefold, diabetes two- to threefold, and heart disease doubled for men and more than quadrupled for women, while the number of grossly obese women increased more than tenfold. Among the New Zealand Maori, sugar intake was nearly eight times that of the Pukapuans, gout in men was nearly double its rate on Pukapuka, and diabetes in men was more than fivefold higher, while heart disease in women had increased more than sixfold. The Maori were, in fact, dying of "European" diseases at a greater rate than was the average New Zealand European.

Government development policies designed to bring about changes in local hydrology, vegetation, and settlement patterns and to increase population mobility, and even programs aimed at reducing certain diseases, have frequently led to dramatic increases in disease rates because of the unforeseen effects of disturbing the preexisting order. Hughes and Hunter (1972) have published an excellent survey of cases in which development led directly to increased disease rates in Africa. They concluded that hasty development intervention in relatively balanced local cultures and environments resulted in "a chaotic deterioration in the social and economic conditions of life."

Traditional populations in general have presumably learned to live with the endemic pathogens of their environments, and in some cases they have evolved genetic adaptations to specific diseases, such as the sickle-cell trait, which provided an immunity to malaria. Unfortunately, however, outside intervention has entirely changed this picture. In the late 1960s, sleeping sickness suddenly increased in many areas of Africa and even spread to areas where it did not formerly occur, due to the building of new roads and migratory labor, both of which caused increased population movement. Large-scale relocation schemes, such as the Zaire Scheme, had disastrous
results when natives were moved from their traditional disease-free refuges into infected areas. Dams and irrigation developments inadvertently created ideal conditions for the rapid proliferation of snails carrying schistosomiasis (a liver fluke disease), and major epidemics suddenly occurred in areas where this disease had never before been a problem. DDT spraying programs have been temporarily successful in controlling malaria, but there is often a rebound effect that increases the problem when spraying is discontinued, and the malarial mosquitoes are continually evolving resistant strains.

Urbanization is one of the prime measures of development, but it is a mixed blessing for most former tribal peoples. Urban health standards are abysmally poor and generally worse than in rural areas for the detribalized individuals who have crowded into the towns and cities throughout Africa, Asia, and Latin America seeking wage employment out of new economic necessity. Infectious diseases related to crowding and poor sanitation are rampant in urban centers, while greatly increased stress and poor nutrition aggravate a variety of other health problems. Malnutrition and other diet-related conditions are, in fact, one of the characteristic hazards of progress faced by tribal peoples and are discussed in the following sections.

The Hazards of Dietary Change

The traditional diets of tribal peoples are admirably adapted to their nutritional needs and available food resources. Even though these diets may seem bizarre, absurd, and unpalatable to outsiders, they are unlikely to be improved by drastic modifications. Given the delicate balances and complexities involved in any subsistence system, change always involves risks, but for tribal people the effects of dietary change have been catastrophic.

Under normal conditions, food habits are remarkably resistant to change, and indeed people are unlikely to abandon their traditional diets voluntarily in favor of dependence on difficult-to-obtain exotic imports. In some cases it is true that imported foods may be identified with powerful outsiders and are therefore sought as symbols of greater prestige. This may lead to such absurdities as Amazonian Indians choosing to consume imported canned tuna fish when abundant high-quality fish is available in their own rivers. Another example of this situation occurs in tribes where mothers prefer to feed their infants expensive nutritionally inadequate canned milk from unsanitary, but high status, baby bottles. The high status of these items is often promoted by clever traders and clever advertising campaigns.

Aside from these apparently voluntary changes, it appears that more often dietary changes are forced upon unwilling tribal peoples by circumstances beyond their control. In some areas, new food crops have been introduced by government decree, or as a consequence of forced relocation or other policies designed to end hunting, pastoralism, or shifting cultivation. Food habits have also been modified by massive disruption of the natural environment by outsiders—as when sheep herdsmen transformed the Australian Aborigines' foraging territory or when European invaders destroyed the bison herds that were the primary element in the Plains Indians' subsistence patterns. Perhaps the most frequent cause of diet change occurs when formerly self-sufficient peoples find that wage labor, cash cropping, and other economic development activities that feed tribal resources into the world-market economy must inevitably divert time and energy away from the production of subsistence foods. Many developing peoples suddenly discover that, like it or not, they are unable to secure traditional foods and must spend their newly acquired cash on costly, and often nutritionally inferior, manufactured foods.

Overall, the available data seem to indicate that the dietary changes that are linked to involvement in the world-market economy have tended to lower rather than raise the nutritional levels of the affected tribal peoples. Specifically, the vitamin, mineral, and protein components of their diets are often drastically reduced and replaced by enormous increases in starch and carbohydrates, often in the form of white flour and refined sugar.

Any deterioration in the quality of a given population's diet is almost certain to be reflected in an increase in deficiency diseases and a general decline in health status. Indeed, as tribal peoples have shifted to a diet based on imported manufactured or processed foods, there has been a dramatic rise in malnutrition, a massive increase in dental problems, and a variety of other nutritional-related disorders. Nutritional physiology is so complex that even well-meaning dietary changes have had tragic consequences. In many areas of Southeast Asia, government-sponsored protein supplementation programs supplying milk to protein-deficient populations caused unexpected health problems and increased mortality. Officials failed to anticipate that in cultures where adults do not normally drink milk, the enzymes needed to digest it are no longer produced and milk intolerance results (Davis & Bolin, 1972). In Brazil, a similar milk distribution program caused an epidemic of permanent blindness by aggravating a preexisting vitamin A deficiency (Bunce, 1972).

Teeth and Progress

There is nothing new in the observation that savages, or peoples living under primitive conditions, have, in general, excellent teeth. . . . Nor is it news that most civilized populations possess wretched teeth which begin to decay almost before they have erupted completely, and that dental caries is likely to be accompanied by periodontal disease with further reaching complications.

Hooton, 1945: xviii

Anthropologists have long recognized that undisturbed tribal peoples are often in excellent physical condition. And it has often been noted specifically that dental caries and the other dental abnormalities that plague industrialized societies are absent or rare among tribal peoples who have retained their traditional diets. The fact that tribal food habits may contribute to the development of sound teeth, whereas modernized diets may do just the opposite, was illustrated as long ago as 1894 in an article in the Journal of the Royal Anthropological Institute that described the results of a comparison between the teeth of ten Sioux Indians who were examined when they came to London as members of Buffalo Bill's Wild West Show and were found
to be completely free of caries and in possession of all their teeth, even though half of the group were over thirty nine years of age. Londero's teeth were conspicuous for both their caries and their steady reduction in number with advancing age. The difference was attributed primarily to the wear and polishing caused by the traditional Indian diet of coarse food and the fact that they chewed their food longer, encouraged by the absence of tableware.

One of the most remarkable studies of the dental conditions of tribal peoples and the impact of dietary change was conducted in the 1950s by Weston Price (1945), an American dentist who was interested in determining what caused normal, healthy teeth. Between 1931 and 1936, Price systematically explored tribal areas throughout the world to locate and examine the most isolated peoples who were still living on traditional foods. His fieldwork covered Alaska, the Canadian Yukon, Hudson Bay, Vancouver Island, Florida, the Andes, the Amazon, Samos, Tahiti, New Zealand, Australia, New Caledonia, Fiji, the Torres Strait, East Africa, and the Nile. The study demonstrated both the superior quality of aboriginal dentition and the deterioration that occurs as modern diets are adopted. In nearly every area where traditional foods were still being eaten, Price found perfect teeth with normal dental arches and virtually no decay, whereas caries and abnormalities increased steadily as new diets were adopted. In many cases the change was sudden and striking. Among Eskimo groups subsisting entirely on traditional food he found caries totally absent, whereas in groups eating a dietary quantity of store-bought food approximately 20 percent of their teeth were decayed. This figure rose to more than 30 percent with Eskimo groups subsisting almost exclusively on purchased or government-supplied food, and reached an incredible 48 percent among the Vancouver Island Indians. Unfortunately for many of these people, modern dental treatment did not accompany the new food, and their suffering was appalling. The loss of teeth was, of course, bad enough in itself, and it certainly undermined the population's resistance to many new diseases, including tuberculosis. But new foods were also accompanied by crowded, misplaced teeth, gum diseases, distortion of the face, and pinching of the nasal cavity. Abnormalities in the dental arch appeared in the new generation following the change in diet, while caries appeared almost immediately even in adults.

Price reported that in many areas the affected peoples were conscious of their own physical deterioration. At a mission school in Africa, the principal asked him to explain to the native schoolchildren why they were not physically as strong as children who had had no contact with schools. On an island in the Torres Strait the natives knew exactly what was causing their problems and resisted—almost to the point of bloodshed—government efforts to establish a store that would make imported food available. The government prevailed, however, and Price was able to establish a relationship between the length of time the government store had been established and the increasing incidence of caries among a population that showed an almost 100 percent immunity to them before the store had been opened.

Malnutrition

Malnutrition, particularly in the form of protein deficiency, has become a critical problem for tribal peoples who must adopt new economic patterns. Population pressures, cash cropping, and government programs all have tended to encourage the replacement of traditional crops and other food sources that were rich in protein with substitutes, high in calories but low in protein. In Africa, for example, protein-rich staples such as millet and sorghum are being replaced systematically by high-yielding manioc and plantains, which have insignificant amounts of protein. The problem is increased for cash croppers and wage laborers whose earnings are too low and unpredictable to allow purchase of adequate amounts of protein. In some rural areas, agricultural laborers have been forced systematically to deprive nonproductive members (principally children) of their households of their minimal nutritional requirements to satisfy the need of the productive members. This process has been documented in northeastern Brazil following the introduction of large-scale cotton plantations (Gross & Underwood, 1971). In urban centers the difficulties of obtaining nutritionally adequate diets are even more serious for tribal immigrants, because costs are higher and poor quality foods are more tempting.

One of the most tragic, and largely overlooked, aspects of chronic malnutrition is that it can lead to abnormally underdeveloped brain development and apparently irreversible brain damage; it has been associated with various forms of mental impairment or retardation. Malnutrition has been linked clinically with mental retardation in both Africa and Latin America (see, for example, Minckelberg, 1968), and this appears to be a worldwide phenomenon with serious implications (Montagna, 1972).

Optimistic supporters of progress will surely say that all of these new health problems are being overstressed and that the introduction of hospitals, clinics, and the other modern health institutions will overcome or at least compensate for all of these difficulties. However, it appears that uncontrollable population growth and economic impoverishment probably will keep most of these benefits out of reach for many tribal peoples, and the intervention of modern medicine has at least partly contributed to the problem in the first place.

T he generalization that civilization frequently has a broad negative impact on tribal health has found broad empirical support (see especially Kroeber & Baratta-Frenchman [1982] on Amazonia; Reinhard [1976] on the Arctic; and Wirsing
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[1985 globally], but these conclusions have not gone unchallenged. Some critics argue that tribal health was often poor before modernization, and they point specifically to tribes' low life expectancy and high infant mortality rates. Demographic statistics on tribal populations are often problematic because precise data are scarce, but they do show a less favorable profile than that enjoyed by many industrial societies. However, it should be remembered that our present life expectancy is a recent phenomenon that has been very costly in terms of medical research and technological advances. Furthermore, the benefits of our health system are not enjoyed equally by all members of our society. High infant mortality could be viewed as a relatively inexpensive and egalitarian tribal public health program that offered the reasonable expectation of a healthy and productive life for those surviving to age fifteen.

Some critics also suggest that certain tribal populations, such as the New Guinea highlanders, were "shunted" by nutritional deficiencies created by tribal culture and are "improved" by "acculturation" and cash cropping (Dennett & Connel, 1988). Although this argument does suggest that the health question requires careful evaluation, it does not invalidate the empirical generalizations already established. Nutritional deficiencies undoubtedly occurred in densely populated zones in the central New Guinea highlands. However, the specific case cited above may not be widely representative of other tribal groups even in New Guinea, and it does not address the facts of outside intru-
sion or the inequities inherent in the contemporary development process.

Ecocide

"How is it," asked a hardman ... "how is it that these hills can no longer give pasture to my cattle? In my father's day they were green and cattle thrived there; today there is no grass and my cattle starve." As one looked one saw that what had once been a green hill had become a raw red rock.

Jones, 1934

Progress not only brings new threats to the health of tribal peo-
ple, but it also imposes new strains on the ecosystems upon
which they must depend for their ultimate survival. The intro-
duction of new technology, increased consumption, lowered
mortality, and the eradication of all traditional controls have
combined to replace what for most tribal peoples was a rela-
tively stable balance between population and natural resources,
with a new system that is imbalanced. Economic development
is forcing ecocide on peoples who were once careful stewards
of their resources. There is already a trend toward widespread
environmental deterioration in tribal areas, involving resource
depletion, erosion, plant and animal extinction, and a disturbing
series of other previously unforeseen changes.

After the initial depopulation suffered by most tribal peoples
during their engulfment by frontiers of national expansion, most
tribal populations began to experience rapid growth. Authori-
ties generally attribute this growth to the introduction of mod-
ern medicine and new health measures and the termination of
intertribal warfare, which lowered mortality rates, as well as to
new technology, which increased food production. Certainly all
of these factors played a part, but merely lowering mortality
rates would not have produced the rapid population growth that
most tribal areas have experienced if traditional birth-spacing
mechanisms had not been eliminated at the same time. Regard-
less of which factors were most important, it is clear that all of
the natural and cultural checks on population growth have sud-
denly been pushed aside by culture change, while tribal lands
have been steadily reduced and consumption levels have risen.

In many tribal areas, environmental deterioration due to over-
use of resources has set in, and in other areas such deterioration
is imminent as resources continue to dwindle relative to the
expanding population and increased use. Of course, population
expansion by tribal peoples may have positive political conse-
quencies, because where tribes can retain or regain their status
as local majorities they may be in a more favorable position to
defend their resources against intruders.

Swidden systems and pastoralism, both highly successful
economic systems under traditional conditions, have proved
particularly vulnerable to increased population pressures and
outside efforts to raise productivity beyond its natural limits.
Research in Amazonia demonstrates that population pressures
and related resource depletion can be created indirectly by
official policies that restrict swidden peoples to smaller terri-
tories. Resource depletion itself can then become a powerful
means of forcing tribal people into participating in the liberal-
market economy—thus leading to further resource depletion.

For example, Bodel and Benson (1979) showed how the
Shipibo Indians in Peru were forced to further deplete their for-
est resources by cash cropping in the forest area to replace the
resources that had been destroyed earlier by the intensive cash
cropping necessitated by the narrow confines of their reserve.
In this case, certain species of palm trees that had provided critical
nesting materials were in such high demand that they had to
be replaced by costly purchased materials. Research by Gross
(1979) and others showed similar processes at work among
four tribal groups in central Brazil and demonstrated that the
degree of market involvement increases directly with increases
in resource depletion.

The settling of nomadic herdsmen and the removal of prior
controls on hard size have often led to serious overgrazing and
erosion problems where these had not previously occurred.
There are indications that the desertification problem in the
Sahel region of Africa was aggravated by programs designed to
settle nomads. The first sign of imbalance in a swidden system
appears when the planting cycles are shortened to the point that
the garden plots are reused before sufficient forest regrowth can
occur. If overgrazing and planting continue in the same area, the
natural patterns of forest succession may be disturbed irrevers-
ibly and the soil can be impaired permanently. An extensive tract
of tropical rainforest in the lower Amazon of Brazil was reduced
to a semiarid desert in just fifty years through such a process
(Ackerman, 1964). The soils in the Azande area are also now
seriously threatened with laterization and other problems as a
result of the government-promoted cotton development scheme

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The dangers of overdevelopment and the vulnerability of local resource systems have long been recognized by both anthropologists and tribal peoples themselves. But the pressures for change have been overwhelming. In 1948 the Maya villagers of Chan Koro complained to Redfield that the shortening of their swidden cycles, which they correctly attributed to increasing population pressures. Redfield told them, however, that they had no choice but to go “forward with technology” (Redfield, 1962: 178). In Assam, swidden cycles were shortened from an average of twelve years to only two or three within just twenty years, and anthropologists warned that the limits of swiddening would soon be reached (Durling, 1963: 311-312). In the Pacific, anthropologists warned of population pressures on limited resources as early as the 1930s (Keeling, 1941: 64-65).

These warnings seemed fully justified, considering the fact that the crowded Filipinos were prone to population pressures on their tiny island to suggest that infant mortality was high. The warnings have been dramatically reinforced since then by the doubling of Micronesia’s population in just the fourteen years between 1953 and 1967, from 70,600 to 114,645, while consumption levels have soared. By 1985 Micronesia’s population had reached 162,121.

The environmental hazards of economic development and rapid population growth have become generally recognized only since worldwide concern over environmental issues began in the early 1970s. Unfortunately, there is as yet little indication that the leaders of the newly developing nations are sufficiently concerned with environmental limitations. On the contrary, governments are forcing tribal peoples into a self-reinforcing spiral of population growth and intensified resource exploitation, which may be stopped only by environmental disaster or the total impoverishment of the tribes.

The reality of ecological limits focuses attention on the fundamental conflicts between tribal and industrial systems in their use of natural resources, who controls them, and how they are managed. Tribal peoples are victimized because they control resources that outsiders demand. The resources exist because tribal peoples managed them conservatively. However, with the issue of the health consequences of derribalization, some anthropologists minimize the adaptive achievements of tribal groups and seem unwilling to concede that ecological limits might be a consequence of cultural change. Critics attack an exaggerated “noble savage” image of tribes living in perfect harmony with nature and having no visible impact on their surroundings. They then show that tribal peoples do in fact modify the environment, and they conclude that there is no significant difference between how tribes and industrial societies treat their environments. For example, Charles Wagley declared that Brazilian Indians such as the Tapiruva are not “natural man.” They have human vices just as we do… They do not live “in tune” with nature any more than I do: in fact, they can be as destructive of their environment, within their limitations, as some civilized men. The Tapiruva are not innocent or childlike in any way. Wagley, 1977: 302

Deprivation and Discrimination

Contact with European culture has given them a knowledge of great wealth, opportunity and privilege, but only very limited avenues by which to acquire these things. Crocombe, 1968

Unwittingly, tribal peoples have had the burden of perpetual relative deprivation thrust upon them by acceptance—either by themselves or by the governments administering them—of the standards of socioeconomic progress set for them by industrial civilizations. By comparison with the material wealth of industrial societies, tribal societies become, by definition, impoverished. They are then forced to transform their cultures and work to achieve what many economists now acknowledge to be unattainable goals. Even though in many cases the modest GNP goals set by development planners for the developing nations during the “development decade” of the 1960s were often met, the results were hardly noticeable for most of the tribal people involved. Population growth, environmental limitations,
INEQUITABLE DISTRIBUTION OF WEALTH, AND THE CONTINUED RAPID GROWTH OF THE INDUSTRIALIZED NATIONS HAVE ALL MEANT THAT BOTH THE ABSOLUTE AND THE RELATIVE GAP BETWEEN THE RICH AND POOR IN THE WORLD IS STEADILY WIDENING. THE PROSPECT THAT TRIBAL PEOPLES WILL ACTUALLY BE ABLE TO ACHIEVE THE LEVELS OF RESOURCE CONSUMPTION TO WHICH THEY ARE BEING ENCOURAGED TO ASPIRE IS REMOTE INDEED EXCEPT FOR THOSE FEW GROUPS WHO HAVE RETAINED EFFECTIVE CONTROL OVER STRATEGIC MINERAL RESOURCES.

TRIBAL PEOPLES FEEL DEPRIVATION NOT ONLY WHEN THE ECONOMIC GOALS THEY HAVE BEEN ENCOURAGED TO SEEK FALL TO MATERIALIZE, BUT ALSO WHEN THEY DISCOVER THAT THEY ARE POWERLESS, SECOND-CLASS CITIZENS WHO ARE DISCRIMINATED AGAINST AND EXPLOITED BY THE DOMINANT SOCIETY. AT THE SAME TIME, THEY ARE DENIED THE SATISFACTIONS OF THEIR TRADITIONAL CULTURES, BECAUSE THESE HAVE BEEN SACRIFICED IN THE PROCESS OF MODERNIZATION. UNDER THE IMPACT OF MAJOR ECONOMIC CHANGE FAMILY LIFE IS DISRUPTED, TRADITIONAL SOCIAL CONTROLS ARE OFTEN LOST, AND MANY INDICATORS OF SOCIAL ANOMIE SUCH AS ALCOHOLISM, CRIME, DELINQUENCY, SUICIDE, EMOTIONAL DISORDERS, AND DESPAIR MAY INCREASE. THE INEVITABLE FRUSTRATION RESULTING FROM THIS CONTINUAL DEPRIVATION FINDS EXPRESSION IN THE CARGO CULTS, REVITALIZATION MOVEMENTS, AND A VARIETY OF OTHER POLITICAL AND RELIGIOUS MOVEMENTS THAT HAVE BEEN WIDESPREAD AMONG TRIBAL PEOPLES FOLLOWING THEIR DISRUPTION BY INDUSTRIAL CIVILIZATION.

REFERENCES


TTR: SEE UNDER UNITED STATES.


CRITICAL THINKING

1. Why is “standard of living” an intrinsically ethnocentric concept as a measure of progress? What is a more useful measure and why? What does a careful examination based upon the specific points show?

2. In what ways does economic development increase the disease rate of affected peoples?