# World Population

The battle to feed all of humanity is over. In the 1970s the world will undergo famines; hundreds of millions of people are going to starve to death in spite of any crash programs embarked upon now.

So predicted Stanford professor Paul Erhlich in his widely influential 1968 book *The Population Bomb*. It sold more than three million copies but its many predictions of global catastrophe never came true. Most famines in the 70s and 80s were in African countries saddled with Marxist governments or political turmoil.

Has Erhlich admitted these errors? No, in 1989 he wrote *The Population Explosion*. Without comment on his past mistakes he merely moves them into the future again, like those who predict the end of the world. Erhlich wrote,

> *The Population Bomb tried to alert people to the connection of population growth to such events…but society has turned a deaf ear. Meanwhile, a largely prospective disaster has turned into the real thing…. There still may be time to limit the scope of the impending catastrophe, but not much time.*

Are we really that close to disaster? In September of 1989 the *Scientific American* published a series of articles on "Managing Planet Earth." While somewhat pessimistic in tone, they are generally balanced in their reviews. In an article on "Strategies for Agriculture" the authors conclude, "World food production could grow significantly more slowly than the current rate and there would still be enough food for 10 million mouths by the time they arrive."

In 1968 Erhlich forecast "[I]f…our population growth, and our

water use continue, in 1984 the United States will quite literally be drying up." He also declared "Lake Erie has died…. Lake Michigan will soon follow it in extinction." In fact, Lake Erie has been reclaimed, and we have not exactly dried up either.

In 1980 Julian Simon, an advocate of population growth to fuel economic growth, bet Paul Erhlich $1,000 that prices of five non- renewable metals would go down. For years, Ehrlich and others had been prophesying that the world would soon run out of many metals, halting industrial growth. They claimed that the world's supplies of oil and gas would soon be exhausted and the West would be subjected to crippling shortages. In 1990 Erhlich quietly paid Simon the $1,000. Not only had the price of all five metals dropped, but the known world reserves has gone up!

In his 1989 book, *The Population Explosion*, Erhlich not only continues to predict apocalyptic devastation, but he connects population growth to many social problems we are currently facing. Most people are unaware," he writes, "of the role that overpopulation plays in many of the problems oppressing them…. Visitors to our nation's capital find homeless people sleeping in the park opposite the White House, and drug abuse and crime sprees fill the evening news. News about the AIDS epidemic seems to be everywhere."

It is certainly true that homelessness and AIDS are terrible problems, but to blame them on overpopulation in America seems either a display of great ignorance (unlikely, as Erhlich is a Stanford professor) or willful misinformation.

## Are There Really Too Many People?

In the book of Genesis, Adam and Eve were given the command to multiply and fill the earth. In Genesis 9 Noah is given the same charge. We must consider the rest of the creation as we determine if we have yet fulfilled that command. But world

population is not the problem.

We share the planet with 5.7 billion people. If one could stand all the people in the world, men, women and children two feet apart, how much of the world would they take up? All of Africa? All of North America? New York state? If every person alive today stood two feet apart they would fill less than the area of Dallas County! And there would still be room for all the buildings! If the world's people were put together into families of four living on 50′ by 100′ lots, they could all live in the state of Texas, with more than seven thousand square miles left over. So the total number of people is not the real problem, at least at this point.

One of the statements one hears with depressing regularity in discussions of world population is "If the present rate continues. …" But in fact the "present rate" is almost never continuing. Consider a frequently used figure, the doubling time for a country. This is the time it takes for a nation of 100 million people to reach 200 million. It is also a measure of how fast new food supplies must be found. The faster the doubling time the more urgent the need for agricultural development.

In 1968 the world's doubling time was about every 35 years. This was frequently used as the basis for pronouncements that "if the present rates continue" the world will be faced with mass starvation in some small number of years.

But the "present rate" was already declining, and the world now doubles about every 82 years. And more conservative scholars had pointed this out years ago. As the standard of living of a country increases, its doubling time also increases. Thus the developed nations are close to stability now, and as less developed nations become more industrialized their population growth also slows. That is the basis on which many experts predict that the world population will stabilize at about ten to eleven billion people.

Malthus's essay "On the Principle of Population," has, as he himself said, "a melancholy hue" about it. It was Malthus, with his view that human populations would soon overtake food production, who inspired the labeling of economics as the "dismal science." But was Malthus right?

Malthus assumed that food supplies would always limit population growth. But in the two hundred years since he wrote, this has not been the case. By one means or another farmers and agricultural scientists have always found a way to increase farm production to keep up with population growth. But we have yet to find efficient ways to get food from where it is produced to where it is needed most.

One Christian has seriously suggested that old oil tankers, which now sit unused because of the huge world supply of oil, could be put back into service cheaply transporting grain from producers to consumers.

The fact that we have 5.7 billion people in the world is not why we have starving people. We have the surplus food to feed all the world's people. What we do not have are stable governments and economic opportunities that allow people to earn a fair wage for their labor.

## Alarmism and Faulty Predictions

In his 1968 book *The Population Explosion*, Paul Erhlich announces the approaching food crisis. "'Then, in 1965-66 came the first dramatic blow…mankind suffered a shocking defeat in…the war on hunger.' In 1966, while the population of the world increased by some 70 million people, there was no compensatory increase in food production." He continues by laying out likely scenarios of the world being rocked by food rebellions that will lead to nuclear war and the devastation of the planet, possibly leaving cockroaches as the most intelligent creatures on earth.

Fortunately Erhlich was wrong. Food production continued to increase and more than keep pace with the population. So what did Erhlich learn?

In 1989 he wrote another book, *The Population Explosion*. Doom was again close: “In 1988, for the first time since World War II, the United States consumed more grain than it grew…only the presence of large carryover stocks prevented a serious food crisis. It is not clear how easy it will be to restore those stocks.”

Again, thankfully, Erhlich was wrong. By 1990, world grain production was up 50% from 1988! And it has continued to increase to the present.

Erhlich’s inaccurate prophecies are numerous. In 1968 he quotes Louis H. Bean approvingly: “My examination of the trend of India’s grain production over the last eighteen years leads me to the conclusion that the present 1967 1968 production…is at a maximum level.” But in seven years India increased its grain production by nearly 26%! By 1992 it had increased it 112%!

Famines are the exception in most countries, and even then absolute lack of food is usually not the problem. In a *Scientific American* article on world population one author says: “Food surpluses exist in many nations, and even when famines do occur the cause is much less the absence of food than its maldistribution which is often accentuated by politics and civil war, as in the Sudan.” This passing comment touches on the real problem. Most famines in the last twenty years are a direct result of internal wars in African nations.

Whether in Ethiopia, Sudan, or Somalia, the devastating famines and the hopeless faces of dying children we have all seen on TV are the result of politics. As one segment of the population wars against another, starvation is often a political weapon. And in each of the famine-torn countries of

Africa one can show that it has been disrupted distribution more than low food production that has caused people to starve to death.

The Bible itself gives evidence that population pressures do not cause famines. When is the first famine in the Bible? In Abraham's time, when the world population could not have been a problem. There have always been famines, but wise leaders have also known how to prepare for famines, as did Joseph later in Egypt.

Many researchers expect the world's population to level off between ten and eleven billion people. Two specialists predicted that "world food production could grow significantly more slowly than the current rate, and there would still be enough food for 10 billion mouths by the time they come."

The earth can provide all the food needed for the foreseeable future. So why are so many saying we must take powerful measures, like widespread abortion, to control world population?

## Environmentalism and World Population

One of the driving forces behind much of the population explosion movement is that of environmental concern. People are afraid that the earth is being rapidly ruined, and they are sure that world population is one of the worst problems. Unfortunately there is some truth to this. There are areas in the world where too many people have been squeezed into one place, or where too many animals are grazing the grass to the ground. But these happen because other people do not care to help. The environment is damaged when people must choose between death by starvation and cutting down trees or overgrazing fields. What we need to protest is the way the people are treated, not their existence.

Many of the role models put forward by the environmental

zealots often have very mixed messages. Paul Erhlich praises Prince Philip of Great Britain for having “taken courageous stands in the population issue and its connection to environmental problems.” But this is the same Prince Philip who, when asked what he would like to be reincarnated as, replied: a “killer virus to lower human population levels.” Certainly a princely thing to say.

There are also ecological movements that hate people. The Deep Ecology movement is one such loosely organized movement. Groups like Green Peace, Earth First!, and the Animal Liberation Front tend to see the human race as a cancer on the environment, something to be suspected and tolerated, but only in small numbers. Some want to see no more than 250 million people on earth; others wouldn’t mind if humans died out altogether. These people see any large population as a problem, and are ready to take action to make the earth “right” again. Others have openly said that the AIDS virus is a good thing in that it will eliminate at least some people who are ruining the environment. Often the extreme positions of groups like these make other ecological organizations seem almost conservative by comparison.

Much of the time, people accept the argument that the earth is too crowded because that is all they hear. The media are usually not interested in reasoned, factual responses to problems because they lack the shock appeal that gets people to tune in, or read a paper, or buy a magazine. Thus, TV is filled with those who have extreme views, or who can speak eloquently about the latest crisis.

So how can Christians make a difference in all of this confusion? First, by actually being involved in caring for the creation God has given us charge of. Too many of us read in our Bibles about how God created the world and cares for it, but fail to act as if it were really true. Let us be actively involved in saving the creation, and then we may earn the right to speak about why we are doing it.

Most Christians were slow in protesting abortion; so too many of us have been slow in showing an active concern for the environment. The earth that God created can provide places to live and food for all that God has made. But just as we must take care of our own houses if we want them to last, so too we must take care of the earth God has given us to live in.

## A Christian Response

The plight of starving people in other countries seems to be like many other major world problems so immense and complicated that we feel we can do little or nothing about them. We often feel overcome by the task before we even start. How should we begin? What should we do?

One stock statement of the environmental movement is "Think globally, act locally." As Christians we should change this to "Pray globally, act locally." Because our God has created the whole world, we, too, are to be concerned and to pray for it. Second, we can also show our concern by how we act in our own communities. And finally, we can give to those organizations that can act as our hands in other places.

Prayer is always our most powerful weapon. We need to be praying that God would make us sensitive to the needs of the world. Pray that God will help us be willing to give of what we have in order to help others. Pray that our lives will be an example to others of a real concern for the poor and hungry, just the way Jesus' own life was.

We can also encourage our churches to consider issues like world population and caring for the creation in the larger picture of biblical teaching. Instead of "Earth Day," why not "Creation Day?" Our churches should teach how stewardship can be lived in daily activities.

One good way to be involved is to give to a relief fund that not only feeds the hungry but also helps people develop the

skills to farm more efficiently. Many relief organizations are involved in community programs such as improving the local water supply or teaching new crop rotation techniques. Seek out these organizations and give to them.

Get alternative sources of information. Best-selling books and TV programs usually follow the most sensational sources of what's new. Find books that cover world hunger from different perspectives. Look in your local library. Write to Probe.

The problem in the world today is not that there are too many people. The earth can feed many more mouths than it currently does. But we must pray and work for justice to prevail in many of the countries that now suffer famines caused by political wars. More than enough food is produced each year to feed all the people in the world. But we do need to increase the standard of living and develop agricultural resources in a way that does not destroy the land in the process. We need Christians trained in agriculture and resource management.

Why not consider a career in agriculture? It would be very difficult to get into Saudi Arabia as a missionary. But if you go as an agricultural consultant or an irrigation specialist you will be greeted with open arms. "Sustainable agriculture" is the need of the future, and if you train in this field you will be able to go to almost any less-developed country in the world. What a great way to be involved in a greater harvest of both food and souls for the kingdom of God.

When we look out at the world we must not just see teeming hordes of people but men and women for whom Christ gave His life. And as we consider our responsibility to the world around us we need to remember what the Psalmist said: "The earth is the LORD's and all it contains" (Ps. 24:1).

©1995 Probe Ministries

# World Hunger

*Kerby Anderson helps us consider the fundamental reasons behind the prevalence of hunger in our world today. He points out our responsibility as Christians to make our resources available to help those caught in this crises. He tells us we need to be praying and working to end world hunger.*

Frequently we see pictures of starving children and are overwhelmed by the awesome task of feeding the world's hungry. Why, we wonder, is there so much hunger in the world today? The answer can be broken down into three categories: poverty, population, and priorities.

## Poverty, Population, and Priorities

The first reason for hunger is poverty. The poor are hungry,and the hungry are usually poor. In First World countries, we talk about our quality of life or our standard of living. But in Third World countries, the focus shifts to the mere sustaining of life. A major problem in Third World countries is capital investment. There is very little money that can be spent on agricultural development or even basics like seed and farm tools.

A second reason for hunger is population. Nearly every country has experienced a growth in population, but the greatest impact has been on the world's poorest countries because they have been experiencing exponential growth in their population.

Notice how exponential population growth shortens our response time to crises. This planet did not reach a population of 1 billion until about the turn of the century. It took the world thousands of years to reach a population level of 1 billion. By 1950, the world's population grew to 2 billion. So the

population doubled in just 50 years. By 1975, we had 4 billion people, so the doubling time decreased to just 25 years. Many experts estimate that we will have 6 to 8 billion people by the end of this century.

This exponential growth puts an enormous strain on our ability to provide resources and services to a starving world. Imagine if your own city or town had its population double every 20 to 25 years. That would mean you would have to double the number of houses, double the number of grocery stores, double the number of roads, and double the number of sewage-treatment plants.

Such growth would be a significant strain on the budget and resources of a First World country. Imagine the strain this would put on a Third World country. So the problem of world hunger is exacerbated by population growth.

A third reason for world hunger is priorities. Those of us who live in an industrialized society place a high priority on comfort and convenience. Our standard of living places a significant strain on the world economy.

In the First World countries, we only have a 1 percent growth rate. But that 1 percent growth rate affects the planet eight times as much as the 23 percent growth rate of the lesser-developed countries. The reason for this is that we use a lot more resources to maintain our standard of living. Currently it costs 30 times as much in terms of energy and resources to feed a North American as it does to feed a Pakistani.

Certainly this is something Christians must consider in terms of their own economic lifestyle. At a time when people are not getting enough to eat, we are living a lifestyle far beyond what many could even imagine.

We have a great challenge before us. We must not only consider what we can do to feed the hungry, but we must also consider what we should do to limit our indulgent lifestyle.

## Exploitation

I would next like to focus on some of the most publicized causes of world hunger. The first is exploitation. There is a tremendous amount of exploitation in the world, which has led to the problem of hunger. Christians should not be surprised. Many Old Testament verses in the books of Proverbs, Amos, and Micah speak of poverty that results from exploitation and fraud.

Many countries were exploited by colonial powers in the 19th and 20th centuries. But while this is true, let me also hasten to add that liberals have perhaps made too much of the colonial connection.

P. T. Bauer, in his book *Dissent on Development*, shows that many of these countries that had some contact with the Western world actually did better economically than those countries that did not have any contact at all. Hong Kong and India, which were ruled by colonial powers, did better economically than countries in the deepest part of Africa that had little contact with Western economies.

When these countries gained independence, they did not have to start from scratch. The colonial powers left behind roads, schools, and hospitals, all of which provided an infrastructure to build upon.

But another aspect of exploitation that is often ignored is not the colonial connection but the Marxist connection. Countries such as Ethiopia with authoritarian Marxist governments bring great suffering on their populations because of government policies that prevent food and compassionate aid from reaching their people.

## Misfortune and Persecution

A second cause of hunger is misfortune and persecution. Again

this should come as no surprise to Christians. In the book of Job we have an example of poverty that comes through misfortune. In other places we see how poverty results from persecution. And sometimes poverty comes because of God's judgment on a people who disobey Him.

Because we live in a fallen world, we must not be surprised when misfortune strikes. During the last two decades, for example, we have had fairly stable weather patterns. Now that the weather has become more erratic, we wonder what is going wrong. Although many doomsayers want to blame these changes on the much-publicized greenhouse effect, most of these climatic fluctuations are typical. We have been lulled into thinking that weather is predictable and must remind ourselves that the earth still "groans in travail" because we live in a fallen world. Hurricanes, monsoons, and droughts are going to exacerbate our problems with world hunger.

As we look at these problems, we can see that the problem of world hunger is going to increase rather than decrease. As our weather continues to be erratic and as terrorism and persecution intensify around the world, problems with hunger will intensify.

We are going to have to find ways to help the people and countries that are suffering. Part of the solution may be for our government to provide help through foreign aid. But another important and often neglected part of the solution is for Christian organizations to provide food and resources to the needy. The problem of world hunger is massive, and all of us must do what we can to solve the problem.

## Governmental Control

Along with these well-known causes of hunger are a few less-publicized, more obscure causes. One of these causes is governmental control. Hunger and poverty are often due to the very structure of governments. This is important to realize

when we begin to talk about cures for world hunger, because we as a country are often limited in what we can do to lessen hunger in a foreign nation.

The statement by Jesus that the poor will always be with us takes on a new meaning when we realize how intractable many problems like world hunger are. Lack of food and unpredictable weather patterns aren’t the sole causes of hunger. Many times governmental control makes hunger worse.

Even a cursory look at the world market shows that those countries that provide the greatest economic freedom also have the greatest amount of economic success. Hong Kong, for example, is a country that has received no foreign aid. But because it has a relatively free market, it enjoys one of the highest standards of living of any country in Asia.

Economic freedom allows personal incentive and pushes the economic engine of development. We can see this in the example of the former Soviet Union. In addition to the large governmental plots of agricultural land, smaller plots were allocated to the individual farmer. It is estimated that nearly 25 percent of all the Soviet agricultural produce came from these small, private plots of land. Soviet production on small plots of land demonstrates the power of incentive created by economic freedom. If a government focuses all its time and attention on the commonality of property, it will lead its country down the path towards poverty and hunger.

## Indifference

Another cause of hunger is indifference. Individuals and their governments should be more concerned about world hunger than they are now. The affluence of North America often keeps us from being concerned about those who do not have enough to eat. Although the United States has set the standard for many other nations in its compassionate giving, still more could be done.

Particularly troubling is the lack of compassion of Third World countries for their neighbors. The OPEC countries, for example, have vast financial resources, which they are unwilling to share with countries in the region not blessed with such geological resources. They need to show compassion to their neighboring countries.

## The Culture of Poverty

A third cause of hunger is the culture of poverty. Proverbs 10:15 says, “The ruin of the poor is their poverty.” The reason for poverty is often the prior existence of poverty. Poverty breeds more poverty, and more poverty breeds more hunger.

Those people who come from an impoverished situation do not have the means by which to better themselves. They are not getting the necessary calories and nutrition, so they are caught in the web of poverty. Moreover, they are being raised in a culture of poverty that perpetuates dependence and prevents advancement.

This is where the gospel can have an impact. Poverty and hunger are not just economic problems. There is a strong psychological and spiritual component to poverty. A person who is born again changes his worldview, and this is an important aspect of dealing with the problem of hunger.

## Curing World Hunger

When we talk about solutions to world hunger we should realize that there are a number of unbiblical solutions. One of the most incredible is the “lifeboat ethic,” which proposes the use of the principle known as *triage*.

## The Lifeboat Ethic

This idea was popularized by Dr. Garrett Hardin at the

University of California at Santa Barbara. He uses the metaphor of the lifeboat to explain how rich nations are surrounded by poor ones who want to get into the lifeboat. He says, at some point, we have to push them back into the water to prevent us all from sinking.

He further argues that the problem will become worse because many of these countries will not control their populations. Thus, he says, it is inevitable that these people will eventually starve. He believes that feeding them will only prolong the suffering. Hardin therefore proposes we use the principle of triage. This concept as it is used in military medicine attempts to classify war or disaster victims according to the severity of their wounds in order to maximize the number of survivors. As incoming wounded arrive, they are placed in one of three groups. The first group has superficial wounds and can be treated later. The second group has more substantial wounds and must be treated immediately. And the members of the third group have such massive wounds that they are simply set aside and allowed to die.

Proponents of this lifeboat ethic suggest that we use the principle of triage and stop shipments of food to Third World nations facing starvation. After all, they argue, there is only so much room in the lifeboat or on "Spaceship Earth." We must push the rest of these people off the boat in order to save ourselves.

This idea certainly raises profound ethical questions. But the metaphor only makes sense if you accept the following three assumptions. The first assumption is that there is no distinction between people and animals. The second assumption is that we are pushing the limits of the world's resources. The third assumption is that population growth is not being brought under control. However, all three of these assumptions are false. First, there *is* a distinction between people and animals. Humans have dignity because they are created in the image of God and are therefore distinct from animals. Yet we

live in a world where evolutionists blur this distinction between humans and animals.

The second assumption is also questionable. We do live in a fallen world, and there are some limits to growth. But an even greater production of resources is possible, and numerous conservation techniques can increase production.

The third assumption, that population growth is not being brought under control, is also in doubt. There is evidence that many countries are serious about controlling their population explosion. In fact, many nations are experiencing a decline in their birth rates and will eventually have declining populations.

What we have to recognize is that there are many people who are proposing unbiblical solutions. And we as Christians have a responsibility to make sure these propositions do not become law.

## The Christian Ethic

Often I find that Christians look at the problem of world hunger and become overwhelmed. They ask, What can we do? After all, many solutions to world hunger come from governmental agencies and large organizations.

We need to recognize that governmental agencies and even private organizations are only part of the solution and often are not as effective as Christian organizations and missionaries. In Marxist countries like Ethiopia, the United States has limited diplomatic relationships. Moreover, the government has used some of the incoming aid as a weapon against their enemies. Indigenous programs through missionary organizations can sometimes be more effective since they do not have to go through as many diplomatic channels. Christians should realize there are things we can do, and we can learn about these from Scripture. The first obvious thing we can do

is to give. The Bible talks about the compassionate distribution of food and other resources in passages such as 1 Corinthians 16 and 2 Corinthians 9. The New Testament church gave to other Christians who were in need.

One way a church can foster an attitude of compassion is to emphasize our responsibility to the hungry. One program called “Skip a Lunch and Feed a Bunch” encourages Christians to save the money they would have used to buy lunch and place it in a container for those who are hungry.

Some agencies have programs for adopting a child in another country and providing for his or her food and educational expenses. You can write letters to the child and have a personal involvement in this often abstract problem of world hunger.

Another solution to world hunger is missionary work. As missionaries go into various cultures, they are able to change attitudes and values that perpetuate the cycle of hunger and poverty. They can teach people how to become more independent economically and how to develop the resources available to them. In the famine in Ethiopia, many Christian relief organizations provided both food and resources. Unfortunately, their efforts were hampered by inadequate ports and a primitive transportation network. Many of the nation’s trucks were being used to fight a civil war, and others were crippled by a lack of spare parts. So the relief organizations began to airlift food in order to feed those starving in remote areas of the country.

Missionary outreach has also had an impact by preaching the gospel. As I mentioned previously, spiritual conversion changes a person’s worldview and can break the culture of poverty. Many of the problems of poverty and hunger are not economic but psychological and spiritual. These include such things as poor training or wrongful attitudes.

Preaching the gospel can change not only individuals but a culture. Just think of the impact the Hindu worldview has on countries like India. False religious beliefs keep the Indians from utilizing beef, an important source of protein. Other ideas such as the concept of *karma* keep Indians from meeting the needs of the underclass. Conversion to Christianity can change not only individ-ual lives but a culture that rests on a false foundation. World hunger is certainly a major problem. As Christians we need to be praying and working to provide solutions to the awesome problem of feeding the world.

©1992 Probe Ministries