Euthanasia: A Christian Perspective

Kerby Anderson looks at euthanasia from a distinctly Christian perspective. Applying a biblical view gives us clear understanding that we are not lord of our own life or anyone elses.

 *This article is also available in Spanish.*

Debate over euthanasia is not a modern phenomenon. The Greeks carried on a robust debate on the subject. The Pythagoreans opposed euthanasia, while the Stoics favored it in the case of incurable disease. Plato approved of it in cases of terminal illness.(1) But these influences lost out to Christian principles as well as the spread of acceptance of the Hippocratic Oath: "I will neither give a deadly drug to anybody if asked for it, nor will I make a suggestion to that effect."

In 1935 the Euthanasia Society of England was formed to promote the notion of a painless death for patients with incurable diseases. A few years later the Euthanasia Society of America was formed with essentially the same goals. In the last few years debate about euthanasia has been advanced by two individuals: Derek Humphry and Dr. Jack Kevorkian.

Derek Humphry has used his prominence as head of the Hemlock Society to promote euthanasia in this country. His book *Final Exit: The Practicalities of Self-Deliverance and Assisted Suicide for the Dying* became a bestseller and further influenced public opinion.

Another influential figure is Jack Kevorkian, who has been instrumental in helping people commit suicide. His book *Prescription Medicide: The Goodness of Planned Death* promotes

his views of euthanasia and describes his patented suicide machine which he calls “the Mercitron.” He first gained national attention by enabling Janet Adkins of Portland, Oregon, to kill herself in 1990. They met for dinner and then drove to a Volkswagen van where the machine waited. He placed an intravenous tube into her arm and dripped a saline solution until she pushed a button which delivered first a drug causing unconsciousness, and then a lethal drug that killed her. Since then he has helped dozens of other people do the same.

Over the years, public opinion has also been influenced by the tragic cases of a number of women described as being in a “persistent vegetative state.” The first was Karen Ann Quinlan. Her parents, wanting to turn the respirator off, won approval in court. However, when it was turned off in 1976, Karen continued breathing and lived for another ten years. Another case was Nancy Cruzan, who was hurt in an automobile accident in 1983. Her parents went to court in 1987 to receive approval to remove her feeding tube. Various court cases ensued in Missouri, including her parents’ appeal that was heard by the Supreme Court in 1990. Eventually they won the right to pull the feeding tube, and Nancy Cruzan died shortly thereafter.

Seven years after the Cruzan case, the Supreme Court had occasion to rule again on the issue of euthanasia. On June 26, 1997 the Supreme Court rejected euthanasia by stating that state laws banning physician-assisted suicide were constitutional. Some feared that these cases (*Glucksburg v. Washington* and *Vacco v. Quill*) would become for euthanasia what Roe v. Wade became for abortion. Instead, the justices rejected the concept of finding a constitutional “right to die” and chose not to interrupt the political debate (as *Roe v. Wade* did), and instead urged that the debate on euthanasia continue “as it should in a democratic society.”

Voluntary, Active Euthanasia

It is helpful to distinguish between mercy-killing and what could be called mercy-dying. Taking a human life is not the same as allowing nature to take its course by allowing a terminal patient to die. The former is immoral (and perhaps even criminal), while the latter is not.

However, drawing a sharp line between these two categories is not as easy as it used to be. Modern medical technology has significantly blurred the line between hastening death and allowing nature to take its course.

Certain analgesics, for example, ease pain, but they can also shorten a patient's life by affecting respiration. An artificial heart will continue to beat even after the patient has died and therefore must be turned off by the doctor. So the distinction between actively promoting death and passively allowing nature to take its course is sometimes difficult to determine in practice. But this fundamental distinction between life-taking and death- permitting is still an important philosophical distinction.

Another concern with active euthanasia is that it eliminates the possibility for recovery. While this should be obvious, somehow this problem is frequently ignored in the euthanasia debate. Terminating a human life eliminates all possibility of recovery, while passively ceasing extraordinary means may not. Miraculous recovery from a bleak prognosis sometimes occurs. A doctor who prescribes active euthanasia for a patient may unwittingly prevent a possible recovery he did not anticipate.

A further concern with this so-called voluntary, active euthanasia is that these decisions might not always be freely made. The possibility for coercion is always present. Richard D. Lamm, former governor of Colorado, said that elderly, terminally ill patients have "a duty to die and get out of the way." Though those words were reported somewhat out of

context, they nonetheless illustrate the pressure many elderly feel from hospital personnel.

The Dutch experience is instructive. A survey of Dutch physicians was done in 1990 by the Remmelink Committee. They found that 1,030 patients were killed without their consent. Of these, 140 were fully mentally competent and 110 were only slightly mentally impaired. The report also found that another 14,175 patients (1,701 of whom were mentally competent) were denied medical treatment without their consent and died.(2)

A more recent survey of the Dutch experience is even less encouraging. Doctors in the United States and the Netherlands have found that though euthanasia was originally intended for exceptional cases, it has become an accepted way of dealing with serious or terminal illness. The original guidelines (that patients with a terminal illness make a voluntary, persistent request that their lives be ended) have been expanded to include chronic ailments and psychological distress. They also found that 60 percent of Dutch physicians do not report their cases of assisted suicide (even though reporting is required by law) and about 25 percent of the physicians admit to ending patients' lives without their consent.(3)

Involuntary, Active Euthanasia

Involuntary euthanasia requires a second party who makes decisions about whether active measures should be taken to end a life. Foundational to this discussion is an erosion of the doctrine of the sanctity of life. But ever since the Supreme Court ruled in *Roe v. Wade* that the life of unborn babies could be terminated for reasons of convenience, the slide down society's slippery slope has continued even though the Supreme Court has been reluctant to legalize euthanasia.

The progression was inevitable. Once society begins to devalue the life of an unborn child, it is but a small step to begin

to do the same with a child who has been born. Abortion slides naturally into infanticide and eventually into euthanasia. In the past few years doctors have allowed a number of so-called "Baby Does" to die—either by failing to perform lifesaving operations or else by not feeding the infants.

The progression toward euthanasia is inevitable. Once society becomes conformed to a "quality of life" standard for infants, it will more willingly accept the same standard for the elderly. As former Surgeon General C. Everett Koop has said, "Nothing surprises me anymore. My great concern is that there will be 10,000 Grandma Does for every Baby Doe."(4)

Again the Dutch experience is instructive. In the Netherlands, physicians have performed involuntary euthanasia because they thought the family had suffered too much or were tired of taking care of patients. American surgeon Robin Bernhoft relates an incident in which a Dutch doctor euthanized a twenty-six-year-old ballerina with arthritis in her toes. Since she could no longer pursue her career as a dancer, she was depressed and requested to be put to death. The doctor complied with her request and merely noted that "one doesn't enjoy such things, but it was her choice."(5)

Physician-Assisted Suicide

In recent years media and political attention has been given to the idea of physician-assisted suicide. Some states have even attempted to pass legislation that would allow physicians in this country the legal right to put terminally ill patients to death. While the Dutch experience should be enough to demonstrate the danger of granting such rights, there are other good reasons to reject this idea.

First, physician-assisted suicide would change the nature of the medical profession itself. Physicians would be cast in the role of killers rather than healers. The Hippocratic Oath was written to place the medical profession on the foundation of

healing, not killing. For 2,400 years patients have had the assurance that doctors follow an oath to heal them, not kill them. This would change with legalized euthanasia.

Second, medical care would be affected. Physicians would begin to ration health care so that elderly and severely disabled patients would not be receiving the same quality of care as everyone else. Legalizing euthanasia would result in less care, rather than better care, for the dying.

Third, legalizing euthanasia through physician-assisted suicide would effectively establish a right to die. The Constitution affirms that fundamental rights cannot be limited to one group (e.g., the terminally ill). They must apply to all. Legalizing physician-assisted suicide would open the door to anyone wanting the "right" to kill themselves. Soon this would apply not only to voluntary euthanasia but also to involuntary euthanasia as various court precedents begin to broaden the application of the right to die to other groups in society like the disabled or the clinically depressed.

Biblical Analysis

Foundational to a biblical perspective on euthanasia is a proper understanding of the sanctity of human life. For centuries Western culture in general and Christians in particular have believed in the sanctity of human life. Unfortunately, this view is beginning to erode into a "quality of life" standard. The disabled, retarded, and infirm were seen as having a special place in God's world, but today medical personnel judge a person's fitness for life on the basis of a perceived quality of life or lack of such quality.

No longer is life seen as sacred and worthy of being saved. Now patients are evaluated and life-saving treatment is frequently denied, based on a subjective and arbitrary standard for the supposed quality of life. If a life is judged not worthy to be lived any longer, people feel obliged to end

that life.

The Bible teaches that human beings are created in the image of God (Gen. 1:26) and therefore have dignity and value. Human life is sacred and should not be terminated merely because life is difficult or inconvenient. Psalm 139 teaches that humans are fearfully and wonderfully made. Society must not place an arbitrary standard of quality above God's absolute standard of human value and worth. This does not mean that people will no longer need to make difficult decisions about treatment and care, but it does mean that these decisions will be guided by an objective, absolute standard of human worth.

The Bible also teaches that God is sovereign over life and death. Christians can agree with Job when he said, "The Lord gave and the Lord has taken away. Blessed be the name of the Lord" (Job 1:21). The Lord said, "See now that I myself am He! There is no god besides me. I put to death and I bring to life, I have wounded and I will heal, and no one can deliver out of my hand" (Deut. 32:39). God has ordained our days (Ps. 139:16) and is in control of our lives.

Another foundational principle involves a biblical view of life- taking. The Bible specifically condemns murder (Exod. 20:13), and this would include active forms of euthanasia in which another person (doctor, nurse, or friend) hastens death in a patient. While there are situations described in Scripture in which life-taking may be permitted (e.g., self-defense or a just war), euthanasia should not be included with any of these established biblical categories. Active euthanasia, like murder, involves premeditated intent and therefore should be condemned as immoral and even criminal.

Although the Bible does not specifically speak to the issue of euthanasia, the story of the death of King Saul (2 Sam. 1:9-16) is instructive. Saul asked that a soldier put him to death as he lay dying on the battlefield. When David heard of this act, he ordered the soldier put to death for "destroying

the Lord's anointed." Though the context is not euthanasia per se, it does show the respect we must show for a human life even in such tragic circumstances.

Christians should also reject the attempt by the modern euthanasia movement to promote a so-called "right to die." Secular society's attempt to establish this "right" is wrong for two reasons. First, giving a person a right to die is tantamount to promoting suicide, and suicide is condemned in the Bible. Man is forbidden to murder and that includes murder of oneself. Moreover, Christians are commanded to love others as they love themselves (Matt. 22:39; Eph. 5:29). Implicit in the command is an assumption of self-love as well as love for others.

Suicide, however, is hardly an example of self-love. It is perhaps the clearest example of self-hate. Suicide is also usually a selfish act. People kill themselves to get away from pain and problems, often leaving those problems to friends and family members who must pick up the pieces when the one who committed suicide is gone.

Second, this so-called "right to die" denies God the opportunity to work sovereignly within a shattered life and bring glory to Himself. When Joni Eareckson Tada realized that she would be spending the rest of her life as a quadriplegic, she asked in despair, "Why can't they just let me die?" When her friend Diana, trying to provide comfort, said to her, "The past is dead, Joni; you're alive," Joni responded, "Am I? This isn't living."(6) But through God's grace Joni's despair gave way to her firm conviction that even her accident was within God's plan for her life. Now she shares with the world her firm conviction that "suffering gets us ready for heaven."(7)

The Bible teaches that God's purposes are beyond our understanding. Job's reply to the Lord shows his acknowledgment of God's purposes: "I know that you can do all things; no plan of yours can be thwarted. You asked, 'Who is

this that obscures my counsel without knowledge?' Surely I spoke of things I did not understand, things too wonderful for me to know" (Job 42:2-3). Isaiah 55:8-9 teaches, "For my thoughts are not your thoughts, neither are your ways my ways, declares the Lord. As the heavens are higher than the earth, so are my ways higher than your ways and my thoughts than your thoughts."

Another foundational principle is a biblical view of death. Death is both unnatural and inevitable. It is an unnatural intrusion into our lives as a consequence of the fall (Gen. 2:17). It is the last enemy to be destroyed (1 Cor. 15:26, 56). Therefore Christians can reject humanistic ideas that assume death as nothing more than a natural transition. But the Bible also teaches that death (under the present conditions) is inevitable. There is "a time to be born and a time to die" (Eccles. 3:2). Death is a part of life and the doorway to another, better life.

When does death occur? Modern medicine defines death primarily as a biological event; yet Scripture defines death as a spiritual event that has biological consequences. Death, according to the Bible, occurs when the spirit leaves the body (Eccles. 12:7; James 2:26).

Unfortunately this does not offer much by way of clinical diagnosis for medical personnel. But it does suggest that a rigorous medical definition for death be used. A comatose patient may not be conscious, but from both a medical and biblical perspective he is very much alive, and treatment should be continued unless crucial vital signs and brain activity have ceased.

On the other hand, Christians must also reject the notion that everything must be done to save life at all costs. Believers, knowing that to be at home in the body is to be away from the Lord (2 Cor. 5:6), long for the time when they will be absent from the body and at home with the Lord (5:8). Death is gain

for Christians (Phil. 1:21). Therefore they need not be so tied to this earth that they perform futile operations just to extend life a few more hours or days.

In a patient's last days, everything possible should be done to alleviate physical and emotional pain. Giving drugs to a patient to relieve pain is morally justifiable. Proverbs 31:6 says, "Give strong drink to him who is perishing, and wine to him whose life is bitter." As previously mentioned, some analgesics have the secondary effect of shortening life. But these should be permitted since the primary purpose is to relieve pain, even though they may secondarily shorten life.

Moreover, believers should provide counsel and spiritual care to dying patients (Gal. 6:2). Frequently emotional needs can be met both in the patient and in the family. Such times of grief also provide opportunities for witnessing. Those suffering loss are often more open to the gospel than at any other time.

Difficult philosophical and biblical questions are certain to continue swirling around the issue of euthanasia. But in the midst of these confusing issues should be the objective, absolute standards of Scripture, which provide guidance for the

Notes

1. Plato, *Republic* 3. 405.

2. R. Finigsen, "The Report of the Dutch Committee on Euthanasia," *Issues in Law and Medicine*, July 1991, 339-44.

3. Herbert Hendlin, Chris Rutenfrans, and Zbigniew Zylicz, "Physician-Assisted Suicide and Euthanasia in the Netherlands: Lessons from the Dutch," *Journal of the American Medical Association* 277 (4 June 1997): 1720-2.

4. Interview with Koop, "Focus on the Family" radio broadcast.

5. Robin Bernhoft, quoted in *Euthanasia: False Light*, produced by IAETF, P.O. Box 760, Steubenville, OH 43952.

6. Joni Eareckson, *Joni* (Grand Rapids: Zondervan, 1976).

7. Joni Eareckson, *A Step Further* (Grand Rapids: Zondervan, 1978).

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Genetic Engineering

Kerby Anderson provides a biblical look at genetic engineering. Christians would be wise to distinguish between two types of research: genetic repair (acceptable) and the creation of new forms of life (unacceptable).

Genetic Diseases

The age of genetics has arrived. Society is in the midst of a genetic revolution that some futurists predict will have a greater impact on the culture than the industrial revolution. So, in this essay we are going to look at the area of genetic engineering.

The future of genetics, like that of any other technology, offers great promise but also great peril. Nuclear technology has provided nuclear medicine, nuclear energy, and nuclear weapons. Genetic technology offers the promise of a diverse array of good, questionable, and bad technological applications. Christians, therefore, must help shape the ethical foundations of this technology and its future applications.

How powerful a technology is genetic engineering? For the first time in human history, it is possible to completely redesign existing organisms, including man, and to direct the genetic and reproductive constitution of every living thing. Scientists are no longer limited to breeding and cross-pollination. Powerful genetic tools allow us to change genetic structure at the microscopic level and bypass the normal processes of reproduction.

For the first time in human history, it is also possible to make multiple copies of any existing organism or of certain sections of its genetic structure. This ability to clone existing organisms or their genes gives scientists a powerful tool to reproduce helpful and useful genetic material within a population.

Scientists are also developing techniques to treat and cure genetic diseases through genetic surgery and genetic therapy. They can already identify genetic sequences that are defective, and soon scientists will be able to replace these defects with properly functioning genes.

At this point, let’s take a look at the nature of genetic diseases. Genetic diseases arise from a number of causes. The first are single-gene defects. Some of these single-gene diseases are dominant and therefore cannot be masked by a second normal gene on the homologous chromosome (the other strand of a chromosome pair). An example is Huntington’s chorea (a fatal disease that strikes in the middle of life and leads to progressive physical and mental deterioration). Many other single-gene diseases are recessive and are expressed only when both chromosomes have a defect. Examples of these diseases are sickle-cell anemia, which leads to the production of malformed red blood cells, and cystic fibrosis, which leads to a malfunction of the respiratory and digestive systems.

Another group of single-gene diseases includes the sex-linked diseases. Because the Y chromosome in men is much shorter than

the X chromosome it pairs with, many genes on the X chromosome are absent on the homologous Y chromosome. Men, therefore, will show a higher incidence of genetic diseases such as hemophilia or color blindness. Even though these are recessive, males do not have a homologous gene on their Y chromosome that could contain a normal gene to mask it.

Another major cause of genetic disease is chromosomal abnormalities. Some diseases result from an additional chromosome. Down's syndrome is caused by trisomy-21 (three chromosomes at chromosome twenty-one). Klinefelter's syndrome results from the addition of an extra X chromosome (these men have a chromosome pattern that is XXY). Other genetic defects result from the duplication, deletion, or rearrangement (called translocation) of a gene sequence.

Genetic engineering offers the promise of eventually treating and curing these genetic defects. Although this is a promise in the future, we are already involved in genetic counseling and the significant ethical concerns it presents. Let's turn now to look at the topic of genetic counseling.

Genetic Counseling

As scientists have learned more about the genetic structure of human beings, they have been able to predict with greater certainty the likelihood of a couple bearing a child with a genetic disease. Each human being carries approximately three to eight genetic defects that might be passed on to their children. By checking family medical histories and taking blood samples (for chromosome counts and tests for recessive traits), a genetic counselor can make a fairly accurate prediction about the possibility of a couple having a child with a genetic disease.

Most couples, however, do not seek genetic counsel in order to decide if they should have a child, but instead seek counsel to decide if they should abort a child that is already

conceived. In cases in which the mother is already pregnant, the focus is not whether to prevent a pregnancy but whether to abort the unborn child. These circumstances raise some of the same ethical concerns as abortion.

Major deformities can be discovered through many advanced new techniques. One is ultrasound, which uses a type of sonar to determine the size, shape, and sex of the fetus. An ultrasound transducer is placed on the mother's abdomen and sound waves are sent through the amniotic sac. The sonar waves are then picked up and transmitted to a video screen that provides important information about the characteristics of the fetus.

Another important tool is laparoscopy. A flexible fiber optic scope is inserted by the doctor through a small incision in the mother's abdomen. This tool allows the doctor to probe into the abdominal cavity.

Genetic defects can be detected in the womb through various prenatal tests. These tests can detect approximately two hundred genetic disorders. In the mid-1960s physicians began to use amniocentesis. A doctor inserts a four-inch needle into a pregnant woman's anesthetized abdomen in order to withdraw up to an ounce of amniotic fluid. As the fetus grows, cells are shed from the skin of the fetus, and these can be collected from the fluid and used to discover the sex and genetic make-up of the fetus.

For years, doctors used this procedure to identify congenital defects by the twentieth week of pregnancy. Now more doctors use another technique called chorionic villus sampling (CVS), which can produce the same information at ten weeks. Doctors also use a blood test known as maternal serum alfa-fetoprotein (MSAFP). This test, usually done between the fifteenth and twentieth week, can detect a neural tube defect of the spinal cord or brain, such as spina bifida or Down's syndrome.

The newest procedure is called BABI (blastomere analysis

before implantation). Using reproductive technologies, a couple can conceive several embryos in test tubes and discard those exhibiting known defects. A doctor gives a woman a drug to stimulate ovulation, then extracts eggs from her ovaries and mixes them with her husband’s sperm. So far, the procedure has been used to test embryos for such hereditary diseases as Tay-Sachs and Duchenne muscular dystrophy.

Using these techniques to give genetic information to couples is not wrong in itself. But, since most of these genetic diseases cannot be cured, the tacit assumption is that abortion will be used if any defects are found. Many doctors and clinics will not do genetic tests unless a couple gives prior consent to abortion. Thus genetic counseling can often raise ethical questions, and this is especially true when abortion is involved.

Next, we’ll look at the future promise of genetic engineering found in gene splicing.

Gene Splicing: Scientific Benefits and Concerns

For the remainer of this essay, I would like to focus on the issue of gene splicing, also known as recombinant DNA research. This new technology began in the 1970s with new genetic techniques that allowed scientists to cut small pieces of DNA (known as plasmids) into small segments that could be inserted in host DNA. The new creatures that were designed have been called DNA chimeras because they are conceptually similar to the mythological Chimera (a creature with the head of a lion, the body of a goat, and the tail of a serpent).

Gene splicing is fundamentally different from other forms of genetic breeding used in the past. Breeding programs work on existing arrays of genetic variability in a species, isolating specific genetic traits through selective breeding. Scientists using gene splicing can essentially “stack” the deck or even

produce an entirely new deck of genetic “cards.”

But this powerful ability to change the genetic deck of cards also raises substantial scientific concerns that some “sleight-of-hand” would produce dangerous consequences. Ethan Singer said, “Those who are powerful in society will do the shuffling; their genes will be shuffled in one direction, while the genes of the rest of us will get shuffled in another.” Also there is the concern that a reshuffled deck of genes might create an Andromeda strain similar to the one envisioned by Michael Crichton is his book by the same title. A microorganism might inadvertently be given the genetic structure for some pathogen for which there is no antidote or vaccine.

In the early days of this research, scientists called for a moratorium until the risks of this new technology could be assessed. Even after the National Institute of Health issued guidelines, public fear was considerable. When Harvard University planned to construct a genetic facility for gene splicing, the mayor of Cambridge, Massachusetts, expressed his concern that “something could crawl out of the laboratory, such as a Frankenstein.”

The potential benefits of gene splicing are significant. First, the technology can be used to produce medically important substances. The list of these substances is quite large and would include insulin, interferon, and human growth hormone. Gene splicing also has great application in the field of immunology. In order to protect organisms from viral disease, doctors must inject a killed or attenuated virus. Scientists can use the technology to disable a toxin gene, thus yielding a viral substance that triggers the generation of antibodies without the possibility of producing the disease.

A second benefit is in the field of agriculture. This technology can improve the genetic fitness of various plant

species. Basic research using this technology could increase the efficiency of photosynthesis, increase plant resistance (to salinity, drought, or viruses), and reduce a plant's demand for nitrogen fertilizer.

Third, gene splicing can aid industrial and environmental processes. Industries that manufacture drugs, plastics, industrial chemicals, vitamins, and cheese will benefit from this technology. Scientists have already begun to develop organisms that can clean up oil spills or toxic wastes.

This last benefit, however, also raises one of the greatest scientific concerns over genetic technology. The escape (or even intentional release) of a genetically engineered organism might wreak havoc on the environment. Scientists have created microorganisms that dissolve oil spills or reduce frost on plants. Critics of gene splicing fear that radically altered organisms could occupy new ecological niches, destroy existing ecosystems, or drive certain species to extinction.

Gene Splicing: Legal and Ethical Concerns

Now, we want to focus on the legal and ethical concerns of gene splicing.

Legal concerns also surround genetic technology. The Supreme Court ruled that genetically engineered organisms as well as the genetic processes that created them can be patented. The original case involved a microorganism designed to eat up oil-slicks; it was patented by General Electric. Since 1981 the U.S. Patent and Trademark Office has approved nearly 12,000 patents for genetic products and processes. Scientists have been concerned that the prospects of profit have decreased the relatively free flow of scientific information. Often scientists-turned-entrepreneurs refuse to share their findings for fear of commercial loss.

Even more significant is the question of whether life should

even be patented at all. Most religious leaders say no. A 1995 gathering of 187 religious leaders representing virtually every major religious tradition spoke out against the patenting of genetically engineered substances. They argued that life is the creation of God, not humans, and should not be patented as human inventions.

The broader theological question is *whether* genetic engineering should be used and, if permitted, *how* it should be used. The natural reaction for many in society is to reject new forms of technology because they are dangerous. Christians, however, should take into account God's command to humankind in the cultural mandate (Gen. 1:28). Christians should avoid the reflex reaction that scientists should not tinker with life; instead Christians should consider how this technology should be used responsibly.

One key issue is the worldview behind most scientific research. Modern science rests on an evolutionary assumption. Many scientists assume that life on this planet is the result of millions of years of a chance evolutionary process. They conclude, therefore, that intelligent scientists can do a better job of directing the evolutionary process than nature can do by chance. Even so, many evolutionary scientists warn of this potential danger. Ethan Singer believes that scientists will "verify a few predictions, and then gradually forget that knowing something isn't the same as knowing everything. . . . At each stage we will get a little cockier, a little surer we know all the possibilities."

Some evolutionary scientists have always believed they could control evolution. In essence, gene splicing gives them the tools they have wanted. Julian Huxley looked forward to the day in which scientists could fill the "position of business manager for the cosmic process of evolution." Certainly this technology enables scientists to create new forms of life and alter existing forms in ways that have been impossible until now.

How should Christians respond? They should humbly acknowledge that God is the sovereign Creator and that man has finite knowledge. Genetic engineering gives scientists the god-like technological ability, but without the wisdom, knowledge, and moral capacity to behave like God.

Even evolutionary scientists who deny the existence of God and believe that all life is the result of an impersonal evolutionary process express concern about the potential dangers of this technology. Erwin Chargaff asked, “Have we the right to counteract, irreversibly, the evolutionary wisdom of millions of years, in order to satisfy the ambition and curiosity of a few scientists?” His answer is no. The Christian’s answer should also be the same when we realize that God is the Creator of life. We do not have the right to “rewrite the sixth day of creation.”

But can gene splicing be used responsibly? We’ll address that question next as we attempt to put forward a biblical framework for genetic engineering.

A Biblical Framework for Genetic Engineering

When faced with the complexities of modern life, and especially with modern technology, many tend to exert the mental reflex of condemning all forms of genetic engineering. So the obvious first question is whether genetic engineering should be used at all. Then, if it is permissible, we should ask how it should be used.

Christians must resist the tendency to reject technology merely because it is foreign or merely because it is technology. God’s command to humankind in the cultural mandate (Gen. 1:28) instructs us to develop and use technology wisely. Christians should avoid the reflex reaction that scientists should not tinker with life; instead Christians should develop a biblical framework to guide responsible use of this technology.

In developing this framework, I believe we must distinguish between two types of research. The first could be called genetic repair. This research attempts to remove genetic defects and develop techniques that will provide treatments for existing diseases. Applications would include various forms of genetic therapy and genetic surgery as well as modifications of existing microorganisms in order to produce beneficial results.

The Human Genome Project is helping scientists to pinpoint the location and sequence of the approximately 100,000 human genes. Further advances in gene splicing will allow scientists to repair defective sequences and eventually remove these genetic diseases from our population.

Genetic disease is not part of God's plan for the world. It is the result of the Fall (Gen. 3). Christians can apply technology to fight these evils without being accused of fighting against God's will. Genetic engineering can and should be used to treat and cure genetic diseases.

A second type of research is the creation of new forms of life. While minor modifications of existing organisms may be permissible, Christians should be concerned about the large-scale production of novel life forms. Their potential impact on the environment and on mankind could be considerable. Science is replete with examples of what can happen when an existing organism is introduced into a new environment (e.g., the rabbit into Australia, the rat to Hawaii, or the gypsy moth in the United States). One can only imagine the potential devastation that could occur when a newly created organism is introduced into a new environment.

God created plants and animals as "kinds" (Gen. 1:24). While there is minor variability within these created kinds, there are built-in barriers between these created kinds. Redesigning creatures of any kind cannot be predicted the same way new elements on the periodic chart can be predicted for properties

even before they are discovered. Recombinant DNA technology offers great promise in treating genetic disease, but Christians should also be vigilant. While this technology should be used to repair genetic defects, it should not be used to confer the role of creator on scientists.

I believe Christians involved in the scientific disciplines of biology, genetics, medicine, and molecular biology need to stand up and point the way to the wise and proper use of genetic engineering. The benefits are great, but so are the perils. As with any form of technology, Christians should thoughtfully and carefully promote the beneficial aspects of this technology while resisting and constraining its detrimental aspects.

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School-Based Health Clinics and Sex Education

Kerby provides an in-depth critique of how our public schools are addressing sex education and providing sex aids through health clinics. Speaking from a Christian worldview perspective, he looks at the data and concludes that public schools are doing more harm than good in the addressing dangerous sexual activity among teenagers.

School-based Health Clinics

As comprehensive sex education curricula have been promoted in the schools, clinics have been established to provide teens

greater access to birth control information and devices. Proponents cite studies that supposedly demonstrate the effectiveness of these clinics on teen sexual behavior. Yet a more careful evaluation of the statistics involved suggests that school-based health clinics do not lower the teen pregnancy rate.

The first major study to receive nationwide attention was DuSable

High School. School administrators were rightly alarmed that before the establishment of a school-based health clinic, three hundred of their one thousand female students became pregnant. After the clinic was opened, the media widely reported that the number of pregnant students dropped to 35.

As more facts came to light, the claims seemed to be embellished. School officials admitted that they kept no records of the number of pregnancies before the operation of the clinic and that three hundred was merely an estimate. Moreover, school officials could not produce statistics for the number of abortions the girls received as a result of the clinic.

The most often-cited study involved the experience of the clinic at Mechanics Arts High School in St. Paul, Minnesota. Researchers found that a drop in the number of teen births during the late 1970s coincided with an increase in female participation at the school-based clinics. But at least three important issues undermine the validity of this study.

First, some of the statistics are anecdotal rather than statistical. School officials admitted that the schools could not document the decrease in pregnancies. The Support Center for School-Based Clinics acknowledged that “most of the evidence for the success of that program is based upon the clinic’s own records and the staff’s knowledge of births among students. Thus, the data undoubtedly do not include all

births.”

Second, an analysis of the data done by Michael Schwartz of the Free Congress Foundation found that the total female enrollment of the two schools included in the study dropped from 1268 in 1977 to 948 in 1979. Therefore the reduction in reported births could have been merely attributable to an overall decline in the female population at the school.

Finally, the study actually shows a drop in the teen birth rate rather than the teen pregnancy rate. The reduction in the fertility rate listed in the study was likely due to more teenagers obtaining an abortion.

Today, more and more advocates of school-based health clinics are citing a three-year study headed by Laurie Zabin at Johns Hopkins University, which evaluated the effect of sex education on teenagers. The study of two school-based clinics in Baltimore, Maryland showed there was a 30 percent reduction in teen pregnancies.

But even this study leaves many unanswered questions. The size of the sample was small and over 30 percent of the female sample dropped out between the first and last measurement periods. Since the study did not control for student mobility, critics point out that some of girls who dropped out of the study may have dropped out of school because they were pregnant. And others were not accounted for with follow-up questionnaires. Other researchers point out that the word abortion is never mentioned in the brief report, leading them to conclude that only live births were counted.

The conclusion is simple. Even the best studies used to promote school-based health clinics prove they do not reduce the teen pregnancy rate. School-based clinics do not work.

Sex Education

For more than thirty years proponents of comprehensive sex education have argued that giving sexual information to young children and adolescents will reduce the number of unplanned pregnancies and sexually transmitted diseases. In that effort nearly $3 billion have been spent on federal Title X family planning services; yet teenage pregnancies and abortions rise.

Perhaps one of the most devastating popular critiques of comprehensive sex education came from Barbara Dafoe Whitehead. The journalist who said that Dan Quayle was right also was willing to say that sex education was wrong. Her article, "The Failure of Sex Education" in the October 1994 issue of *Atlantic Monthly*, demonstrated that sex education neither reduced pregnancy nor slowed the spread of STDs.

Comprehensive sex education is mandated in at least seventeen states, so Whitehead chose one of those states and focused her analysis on the sex education experiment in New Jersey. Like other curricula, the New Jersey sex education program rests on certain questionable assumptions.

The first tenet is that *children are sexual from birth*. Sex educators reject the classic notion of a latency period until approximately age twelve. They argue that you are "being sexual when you throw your arms around your grandpa and give him a hug."

Second, *children are sexually miseducated*. Parents, to put it simply, have not done their job, so we need "professionals" to do it right. Parents try to protect their children, fail to affirm their sexuality, and even discuss sexuality in a context of moralizing. The media, they say, is also guilty of providing sexual misinformation.

Third, *if mis-education is the problem, then sex education in the schools is the solution*. Parents are failing miserably at

the task, so “it is time to turn the job over to the schools. Schools occupy a safe middle ground between Mom and MTV.”

Learning about Family Life is the curriculum used in New Jersey. While it discusses such things as sexual desire, AIDS, divorce, condoms, and masturbation, it nearly ignores such issues as abstinence, marriage, self-control, and virginity. One technique promoted to prevent pregnancy and STDs is noncoital sex, or what some sex educators call “outercourse.” Yet there is good evidence to suggest that teaching teenagers to explore their sexuality through noncoital techniques will lead to coitus. Ultimately, outercourse will lead to intercourse.

Whitehead concludes that comprehensive sex education has been a failure. For example, the percent of teenage births to unwed mothers was 67 percent in 1980 and rose to 84 percent in 1991. In the place of this failed curriculum, Whitehead describes a better program. She found that “sex education works best when it combines clear messages about behavior with strong moral and logistical support for the behavior sought.” One example she cites is the “Postponing Sexual Involvement” program at Grady Memorial Hospital in Atlanta, Georgia, which offers more than a “Just say no” message. It reinforces the message by having adolescents practice the desired behavior and enlists the aid of older teenagers to teach younger teenagers how to resist sexual advances. Whitehead also found that “religiously observant teens” are less likely to experiment sexually, thus providing an opportunity for church- related programs to help stem the tide of teenage pregnancy.

Contrast this, however, with what has been derisively called “the condom gospel.” Sex educators today promote the dissemination of sex education information and the distribution of condoms to deal with the problems of teen pregnancy and STDs.

The Case Against Condoms

At the 1987 World Congress of Sexologists, Theresa Crenshaw asked the audience, “If you had the available partner of your dreams and knew that person carried HIV, how many of you would have sex, depending on a condom for your protection?” None of the 800 members of the audience raised their hand. If condoms do not eliminate the fear of HIV infection for sexologists and sex educators, why encourage the children of America to play STD Russian roulette?

Are condoms a safe and effective way to reduce pregnancy and STDs? Sex educators seem to think so. Every day sex education classes throughout this country promote condoms as a means of safe sex or at least safer sex. But the research on condoms provides no such guarantee.

For example, Texas researcher Susan Weller, writing in the 1993 issue of *Social Science Medicine*, evaluated all research published prior to July 1990 on condom effectiveness. She reported that condoms are only 87 percent effective in preventing pregnancy and 69 percent effective in reducing the risk of HIV infection. This 69 percent effectiveness rate is also the same as a 31 percent failure rate in preventing AIDS transmission. And according to a study in the *1992 Family Planning Perspectives*, 15 percent of married couples who use condoms for birth control end up with an unplanned pregnancy within the first year.

So why has condom distribution become the centerpiece of the U.S. AIDS policy and the most frequently promoted aspect of comprehensive sex education? For many years the answer to that question was an a priori commitment to condoms and a safe sex message over an abstinence message. But in recent years, sex educators and public health officials have been pointing to one study that seemed to vindicate the condom policy.

The study was presented at the Ninth International Conference

on AIDS held in Berlin on June 9, 1993. The study involved 304 couples with one partner who was HIV positive. Of the 123 couples who used condoms with each act of sexual intercourse, not a single negative HIV partner became positive. So proponents of condom distribution thought they had scientific vindication for their views.

Unfortunately, that is not the whole story. Condoms do appear to be effective in stopping the spread of AIDS when used "correctly and consistently." Most individuals, however, do not use them "correctly and consistently." What happens to them? Well, it turns out that part of the study received much less attention. Of 122 couples who could not be taught to use condoms properly, 12 became HIV positive in both partners. Undoubtedly over time, even more partners would contract AIDS.

How well does this study apply to the general population? Not very well. This study group was quite dissimilar from the general population. For example, they knew the HIV status of their spouse and therefore had a vested interest in protecting themselves. They were responsible partners in a committed monogamous relationship. In essence, their actions and attitudes differed dramatically from teenagers and single adults who do not know the HIV status of their partners, are often reckless, and have multiple sexual partners.

And even if condoms are used correctly, do not break, and do not leak, they are still far from 100 percent effective. The Medical Institute for Sexual Health reported that "medical studies confirm that condoms do not offer much, if any, protection in the transmission of chlamydia and human papilloma virus, two serious STDs with prevalence as high as 40 percent among sexually active teenagers."

Abstinence Is the Answer

Less than a decade ago an abstinence-only program was rare in the public schools. Today, directive abstinence programs can

be found in many school districts while battles are fought in other school districts for their inclusion or removal. While proponents of abstinence programs run for school board or influence existing school board members, groups like Planned Parenthood bring lawsuits against districts that use abstinence-based curricula, arguing that they are inaccurate or incomplete.

The emergence of abstinence-only programs as an alternative to comprehensive sex education programs was due to both popularity and politics. Parents concerned about the ineffectiveness of the safe- sex message eagerly embraced the message of abstinence. And political funding helped spread the message and legitimize its educational value. The Adolescent Family Life Act, enacted in 1981 by the Reagan Administration, created Title XX and set aside $2 million a year for the development and implementation of abstinence-based programs. Although the Clinton Administration later cut funding for abstinence programs, the earlier funding in the 1980s helped groups like Sex Respect and Teen-Aid launch abstinence programs in the schools.

Parents and children have embraced the abstinence message in significant numbers. One national poll by the University of Chicago found that 68 percent of adults surveyed said premarital sex among teenagers is “always wrong.” A 1994 poll for USA Weekend asked more than 1200 teens and adults what they thought of “several high profile athletes [who] are saying in public that they have abstained from sex before marriage and are telling teens to do the same.” Seventy-two percent of the teens and 78 percent of the adults said they agree with the pro-abstinence message.

Their enthusiasm for abstinence-only education is well founded. Even though the abstinence message has been criticized by some as naive or inadequate, there are good reasons to promote abstinence in schools and society.

First, teenagers want to learn about abstinence. Contrary to the often repeated teenage claim, not “everyone’s doing it.” A 1992 study by the Centers for Disease Control found that 43 percent of teenagers from ages fourteen to seventeen had engaged in sexual intercourse at least once. Put another way, the latest surveys suggest that a majority of teenagers are not doing it.

A majority of teenagers are abstaining from sex; also more want help in staying sexually pure in a sex-saturated society. Emory University surveyed one thousand sexually experienced teen girls by asking them what they would like to learn to reduce teen pregnancy. Nearly 85 percent said, “How to say no without hurting the other person’s feelings.”

Second, abstinence prevents pregnancy. After the San Marcos (California) Junior High adopted the Teen-Aid abstinence-only program, the school’s pregnancy rate dropped from 147 to 20 in a two-year period.

An abstinence-only program for girls in Washington, D.C. has seen only one of four hundred girls become pregnant. Elayne Bennett, director of “Best Friends,” says that between twenty and seventy pregnancies are common for this age-group in the District of Columbia.

Nathan Hale Middle School near Chicago adopted the abstinence-only program “Project Taking Charge” to combat its pregnancy rate among eighth-graders. Although adults were skeptical, the school graduated three pregnancy-free classes in a row.

Abstinence works. That is the message that needs to be spread to parents, teachers, and school boards. Teenagers will respond to this message, and we need to teach this message in the classroom.

Third, abstinence prevents sexually transmitted diseases (STDs). After more than three decades, the sexual revolution has taken lots of prisoners. Before 1960, doctors were

concerned about only two STDs: syphilis and gonorrhea. Today there are more than twenty significant STDs, ranging from the relatively harmless to the fatal. Twelve million Americans are newly infected each year, and 63 percent of these new infections are in people under twenty-five years of age. Eighty percent of those infected with an STD have absolutely no symptoms.

Doctors warn that if a person has sexual intercourse with another individual, he or she is not only having sexual intercourse with that individual but with every person with whom that individual might have had intercourse for the last ten years and all the people with whom they had intercourse. If that is true, then consider the case of one sixteen-year-old girl who was responsible for 218 cases of gonorrhea and more than 300 cases of syphilis. According to the reporter, this illustrates the rampant transmission of STDs through multiple sex partners. “The girl has sex with sixteen men. Those men had sex with other people who had sex with other people. The number of contacts finally added up to 1,660.” As one person interviewed in the story asked, “What if the girl had had AIDS instead of gonorrhea or syphilis? You probably would have had 1,000 dead people by now.”

Abstinence prevents the spread of STDs while safe sex programs do not. Condoms are not always effective even when they are used correctly and consistently, and most sexually active people do not even use them correctly and consistently. Sex education programs have begun to promote “outercourse” instead of intercourse, but many STDs can be spread even through this method, and, as stated, outercourse almost always leads to intercourse. Abstinence is the only way to prevent the spread of a sexually transmitted disease.

Fourth, abstinence prevents emotional scars. Abstinence speakers relate dozens and dozens of stories of young people who wish they had postponed sex until marriage. Sex is the most intimate form of bonding known to the human race, and it

is a special gift to be given to one's spouse. Unfortunately, too many throw it away and are later filled with feelings of regret.

Surveys of young adults show that those who engaged in sexual activity regret their earlier promiscuity and wish they had been virgins on their wedding night. Even secular agencies that promote a safe-sex approach acknowledge that sex brings regrets. A Roper poll conducted in association with SIECUS (Sexuality Information and Education Council of the United States) of high schoolers found that 62 percent of the sexually experienced girls said they "should have waited."

Society is ready for the abstinence message, and it needs to be promoted widely. Anyone walking on the Washington Mall in July 1993 could not miss the acres of "True Love Waits" pledge cards signed by over 200,000 teenagers. The campaign, begun by the Southern Baptist Convention, provided a brief but vivid display of the desire by teenagers to stand for purity and promote abstinence. For every teenager who signed a card pledging abstinence, there are no doubt dozens of others who plan to do the same.

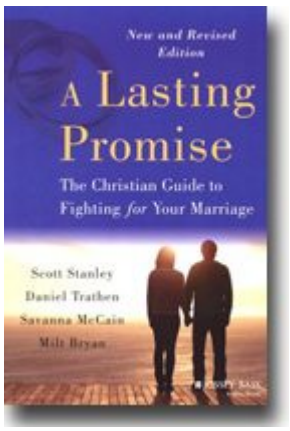
Teenagers want and need to hear the message of abstinence. They want to promote the message of abstinence. Their health, and even their lives, are at stake.

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Why Marriages Fail

Why do marriages fail? While the answers to that question are many, there is a growing body of empirical research to suggest

there are four negative risk factors that create barriers to oneness in marriage and increase a couple's chances for marital failure.



I am going to look at these risk factors and see how they can be corrosive elements to oneness in marriage. Most of the material I will cover comes from PREP, which stands for the "Prevention and Relationship Enhancement Program" developed at the University of Denver. The material was originally published in a book entitled *Fighting for Your Marriage,* and has been featured on numerous TV newsmagazine programs like "20/20." There is a Christian version of this material found in a book written by Scott Stanley entitled *A Lasting Promise: A Christian Guide to Fighting for Your Marriage*. Perhaps you have heard marriage speakers like Gary Smalley or Dave and Claudia Arp recommend this book (which should be available in your local Christian bookstore and is also available online at Amazon.com).

The significance of this research is two-fold. First, it provides a strong body of university research on what makes marriages fail. Other Christian books, though very helpful, are often based upon the opinions and spiritual insights of the authors. The material we will be talking about in this article is based on clinical studies which validate biblical principles others have discussed.

Second, the research provides an extremely accurate predictor of subsequent behavior and marital failure. In one of the key studies, researchers followed a sample of 135 couples for twelve years, starting before they were married. The researchers found that using only data from before the couple married, they were able to differentiate those couples who do well from those who do not, with up to 91% accuracy. In other words, the seeds of distress and possible divorce were already sown before the couples went to the altar.

Now please do not be discouraged by those numbers. At the outset it seems to be telling us that certain marriages are doomed to failure, and there is nothing a couple can do. But we need to reconsider that conclusion. This research, while showing us marriages which might fall apart, does not suggest that there is nothing we can do about it. This research simply shows us what behaviors can be changed and warns us what will probably happen if we are unwilling or unable to change. As the book of James reminds us, it is not enough to just believe something, we must act upon it (James 1:25, 2:15-18, 3:13).

Since knowing precedes acting, it is necessary to discuss these four negative risk factors that can be barriers to oneness, for oneness is God's design for marriage. Genesis 2:24 says, "For this reason a man will leave his father and mother and be united to his wife, and they will become one flesh." When Jesus was confronted by the scribes and Pharisees about the issue of divorce, He brought them back to this foundational truth and said, "For this reason a man will leave his father and mother and be united to his wife, and the two will become one flesh. So they are no longer two, but one. Therefore what God has joined together, let man not separate" (Matt. 19:5-6).

Escalation

According to the research done over the last two decades, negative patterns can destroy a relationship. Couples who want to save their marriage need to focus on changing these negative behavior patterns. There are four such patterns I will discuss here, the first of which is escalation.

According to the researchers, "escalation occurs when partners respond back and forth negatively to each other, continually upping the ante so the conversation gets more and more hostile."{1} 1 Peter 3:9 says, "Do not repay evil with evil or insult with insult." But this is exactly what happens with escalation. Each negative comment increases the level of anger

and frustration, and soon a small disagreement blows up into a major fight.

Research shows that couples who have a good marriage are less prone to escalation. And if the argument starts to escalate, they are able to stop the negative process before it erupts into a full-blown fight. Marriages that will have problems, and even fail, find that arguments escalate so that such damaging things are said that they may even threaten the lifeblood of the marriage.

Escalation can develop in two different ways. The first is a major shouting fight that may erupt over a conflict as small as putting the cap back on the toothpaste. As the battle heats up the partners get more and more angry, saying mean things about each other. Frequently there are threats to end the relationship. Over time those angry words damage oneness, and angry threats to leave begin to seem like prophecy. Once negative comments are made, they are hard to take back and drive a knife into the partner's heart. Proverbs 12:18 says, "Reckless words pierce like a sword."

These reckless words can do great damage to a marriage because when an argument escalates, every comment and vulnerability becomes fair game. Concerns, failings, and past mistakes can now be used by the attacking partner. Oneness and intimacy can be shattered quickly by a few reckless words.

You may be thinking, "we don't fight like cats and dogs." And while that may be true, your marriage may still have this risk factor. Damaging escalation is not always dramatic. Voices do not have to be raised for couples to get into a cycle of returning negative for negative. Conflict over paying the rent, taking out the garbage, running errands that result in muttering to oneself, rolling your eyes, or throwing up your hands can also be examples of escalation.

Couples who escalate arguments must control their emotions and

control their tongues. James writes, “If anyone considers himself religious and yet does not keep a tight rein on his tongue, he deceives himself and his religion is worthless” (James 1:26). Couples who want a strong marriage must learn to counteract the tendency to escalate as a couple. The key to a strong and stable marriage is learning to control your emotions and learning how to keep a rein on your tongue.

Invalidation

Having covered escalation, I will now turn to the second of the four negative risk factors to oneness. This risk factor is called invalidation. “Invalidation is a pattern in which one partner subtly or directly puts down the thoughts, feelings, or character of the other.”{2}

Invalidation can take many forms. Sometimes it can be caustic, in which one partner (or both) attacks the other person verbally. You can hear, and even feel, the contempt one partner has for another.

Sarcastic phrases like “Well, I’m sorry I’m not perfect like you” or “I forgot how lucky I am to be married to you” can cut like a knife. These are attacks on the person’s character and personality that easily destroy a marriage. Research has found that invalidation is one of the best predictors of future problems and divorce.

Jesus taught that attacks on the character of another person are sinful and harmful. “But I tell you that anyone who is angry with his brother will be subject to judgment. Again, anyone who says to his brother, ‘Raca,’ is answerable to the Sanhedrin. But anyone who says, ‘You fool!’ will be in danger of the fire of hell” (Matt. 5:22). Calling a person worthless or empty-headed (which is what the Aramaic term *raca* means) is not what a Christian should do.

Invalidation can also be much more subtle. It may involve an

argument where contempt for the other partner is not so obvious. One partner may merely be putting the other partner down for his or her feelings. The message conveyed is that your feelings do not matter. A husband may put his wife down because she is more emotional or because she is more easily hurt by comments. A husband may invalidate a wife's fears about the children's safety. A wife may invalidate a husband's desire to succeed in the company, saying that it really doesn't matter if he becomes district manager. Ultimately the partner receiving these comments begins to share less and less so that the intimate level of sharing evaporates. When this happens, oneness is lost.

Sometimes invalidation may be nothing more than trite cliches like "It's not so bad" or "Just trust in the Lord." While the sayings may be true, they invalidate the pain or concern of the other partner. They make the other partner feel like their fears or frustration are inappropriate. This kind of invalidation is what Solomon called "singing songs to a heavy heart" (Prov. 25:20). When one partner is hurting, the other partner should find words of encouragement that do not invalidate his or her pain or concerns.

The antidote to invalidation is validation. Couples must work at validating and accepting the feelings of their spouse. That does not mean you have to agree with your spouse on the issue at hand, but it does mean that you listen to and respect the other person's perspective. Providing care, concern, and comfort will build intimacy. Invalidating fears and feelings will build barriers in a marriage. Discipline yourself to encourage your spouse without invalidating his or her feelings.

Negative Interpretations

So far we have looked at the negative risk factors of escalation and invalidation. The third risk factor is negative interpretations. "Negative interpretations occur when one

partner consistently believes that the motives of the other are more negative than is really the case."{3}

Such behavior can be a very destructive pattern in a relationship, and quickly erode intimacy and oneness in a marriage. A wife may believe that her husband does not like her parents. As a result, she may attack him anytime he is not overly enthusiastic about visiting them. He may be concerned with the financial cost of going home for Christmas or about whether he has enough vacation time. She, in turn, considers his behavior as disliking her parents.

When a relationship becomes more distressed, the negative interpretations mount and help create an environment of hopelessness. The attacked partner gives up trying to make himself or herself clear and becomes demoralized.

Another kind of negative interpretation is mind reading. "Mind reading occurs when you assume you know what your partner is thinking or why he or she did something." Nearly everyone is guilty of mind reading at some time or other. And when you mind read positively, it does not tend to do much harm. But when you mind read on the negative side, it can spell trouble for a marriage.

Paul warned against attempting to judge the thoughts and motives of others (1 Cor. 4:5). And Jesus asked, "Why do you look at the speck of sawdust in your brother's eye and pay no attention to the plank in your own eye?" (Luke 6:41).

Negative interpretations are hard to detect and counteract. Research shows that in distressed marriages there is a tendency for partners to discount the positive things they see, attributing them to causes such as chance rather than to positive characteristics of the partner. That is why negative interpretations do not change easily.

The key to battling negative interpretations is to reconsider what you think about your partner's motives. Perhaps your

partner is more positive than you think. This is not some unrealistic “positive thinking” program, but a realistic assessment of negative assumptions you may be bringing to the marriage.

Did your spouse really forget to do what you asked? Was it intentional or accidental? Does he or she try to annoy you or are you being more critical than is warranted? Most of the time, people think they are doing the best they can. It hurts to be accused of something you never intended to be hurtful. For couples to have a good marriage this pattern of negative interpretation must be eliminated.

Often this is easier said than done. First, you have to ask yourself if your thinking might be overly negative. Do you give your spouse the benefit of the doubt? Second, you have to push yourself to look for evidence that is contrary to your negative interpretation. Often it is easier to see his or her speck than your own plank. Give your mate the benefit of the doubt rather than let inaccurate interpretations sabotage your marriage.

Withdrawal and Avoidance

Escalation, invalidation, and negative interpretations are three of the four negative risk factors identified by researchers at the University of Denver. The last of these has two descriptors: withdrawal and avoidance. These are two different manifestations of the problem wherein a partner is unwilling to get in or stay in a discussion that is too threatening.

“Withdrawal can be as obvious as getting up and leaving the room or as subtle as ‘turning off’ or ‘shutting down’ during an argument. The withdrawer often tends to get quiet during an argument, look away, or agree quickly to a partner’s suggestion just to end the conversation, with no real intention of following through.”{4}

“Avoidance reflects the same reluctance to get into certain discussions, with more emphasis on the attempt to not let the conversation happen in the first place. A person prone to avoidance would prefer that the topic not come up and, if it does, may manifest the signs of withdrawal just described.”{5}

In a typical marriage, one partner is the pursuer and the other is the withdrawer. Studies show that it is usually the man who wants to avoid these discussions and is more likely in the withdrawing role. However, sometimes the roles reverse. But, for the sake of this discussion, we will assume that the husband is the one who withdraws.

Why does he withdraw? Because he does not feel emotionally safe to stay in the argument. Sometimes he may even be afraid that if he stays in the discussion or argument that he might turn violent, so he retreats.

When the husband withdraws, the wife feels shut out and believes that he does not care about the marriage. In other words, lack of talking equals lack of caring. But that is often a negative interpretation about the withdrawer.

He, on the other hand, may believe that his wife gets upset too much of the time, nagging and picking fights. This is also a negative interpretation because most pursuers really want to stay connected and resolve the issue he does not want to talk about.

Couples who want to have a good marriage must learn to stay engaged. Paul said, writing to the church in Ephesus, “Therefore each of you must put off falsehood and speak truthfully to his neighbor, for we are all members of one body. In your anger do not sin: Do not let the sun go down while you are still angry, and do not give the devil a foothold” (Eph. 4:25-27).

Although the immediate context in this passage is anger, the broader principle is the importance of not allowing avoidance

to become a corrosive pattern in your marriage. Couples should build oneness and intimacy by speaking openly and honestly about important issues in their marriage.

Conclusion

Each of these four risk factors (escalation, invalidation, negative interpretations, and withdrawal and avoidance) can build barriers in a marriage leading ultimately to loneliness and isolation. The research shows that couples that want a good marriage need to eliminate these risk factors from their marriage, or else the negative factors will overwhelm the positive aspects of the marriage. It is never too late to put your marriage back on track.

For further study on this topic, I would once again recommend that you purchase the book *A Lasting Promise: A Christian Guide to Fighting for Your Marriage.* This book is widely available and is a good source for help in establishing and maintaining the oneness that God desires for every marriage.

Notes

1. Scott Stanley, et al. *A Lasting Promise: A Christian Guide to Fighting for Your Marriage* (San Francisco: Josey-Bass, 1998), p. 29.
2. Stanley, p. 32.
3. Stanley, p. 35-36.
4. Stanley, p. 40.
5. Stanley, p. 40-41.

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Homosexual Theology: A Biblically Sound View

Kerby Anderson helps understand the complete biblical perspective on homosexuality. As Christians, Kerby helps us understand the biblical truth and how to apply it with compassion in our dealings with those around us.

The Sin of Sodom—Genesis 19

Does the Bible condemn homosexuality? For centuries the answer to that question seemed obvious, but in the last few decades pro- homosexual commentators have tried to reinterpret the relevant biblical passages. In this discussion we will take a look at their exegesis.

The first reference to homosexuality in the Bible is found in Genesis 19. In this passage, Lot entertains two angels who come to the city to investigate its sins. Before they go to bed, all the men (from every part of the city of Sodom) surround the house and order him to bring out the men so that "we may know them." Historically commentators have always assumed that the Hebrew word for "know" meant that the men of the city wanted to have sex with the visitors.

More recently, proponents of homosexuality argue that biblical commentators misunderstand the story of Sodom. They argue that the men of the city merely wanted to meet these visitors. Either they were anxious to extend Middle-eastern hospitality or they wanted to interrogate the men and make sure they weren't spies. In either case, they argue, the passage has nothing to do with homosexuality. The sin of Sodom is not homosexuality, they say, but inhospitality.

One of the keys to understanding this passage is the proper translation of the Hebrew word for "know." Pro-homosexuality

commentators point out that this word can also mean “to get acquainted with” as well as mean “to have intercourse with.” In fact, the word appears over 943 times in the Old Testament, and only 12 times does it mean “to have intercourse with.” Therefore, they conclude that the sin of Sodom had nothing to do with homosexuality.

The problem with the argument is context. Statistics is not the same as exegesis. Word count alone should not be the sole criterion for the meaning of a word. And even if a statistical count should be used, the argument backfires. Of the 12 times the word “to know” is used in the book of Genesis, in 10 of those 12 it means “to have intercourse with.”

Second, the context does not warrant the interpretation that the men only wanted to get acquainted with the strangers. Notice that Lot decides to offer his two daughters instead. In reading the passage, one can sense Lot’s panic as he foolishly offers his virgin daughters to the crowd instead of the foreigners. This is not the action of a man responding to the crowd’s request “to become acquainted with” the men.

Notice that Lot describes his daughters as women who “have not known” a man. Obviously this implies sexual intercourse and does not mean “to be acquainted with.” It is unlikely that the first use of the word “to know” differs from the second use of the word. Both times the word “to know” should be translated “to have intercourse with.” This is the only consistent translation for the passage.

Finally, Jude 7 provides a commentary on Genesis 19. The New Testament reference states that the sin of Sodom involved gross immorality and going after strange flesh. The phrase “strange flesh” could imply homosexuality or bestiality and provides further evidence that the sin of Sodom was not inhospitality but homosexuality.

Contrary to what pro-homosexual commentators say, Genesis 19

is a clear condemnation of homosexuality. Next we will look at another set of Old Testament passages dealing with the issue of homosexuality.

Mosaic Law—Leviticus 18, 20

Now we will look at the Mosaic Law. Two passages in Leviticus call homosexuality an abomination. Leviticus 18:22 says, “Do not lie with a man as one lies with a women; that is detestable.” Leviticus 20:13 says, “If a man lies with a man as one lies with a woman, both of them have done what is detestable.” The word for “abomination” is used five times in Leviticus 18 and is a strong term of disapproval, implying that something is abhorrent to God. Biblical commentators see these verses as an expansion of the seventh commandment. Though not an exhaustive list of sexual sins, they are representative of the common sinful practices of nations surrounding Israel.

Pro-homosexual commentators have more difficulty dealing with these relatively simple passages of Scripture, but usually offer one of two responses. Some argue that these verses appear in the Holiness code of the Leviticus and only applies to the priests and ritual purity. Therefore, according to this perspective, these are religious prohibitions, not moral prohibitions. Others argue that these prohibitions were merely for the Old Testament theocracy and are not relevant today. They suggest that if Christians wanted to be consistent with the Old Testament law code in Leviticus, they should avoid eating rare steak, wearing mixed fabrics, and having marital intercourse during the menstrual period.

First, do these passages merely apply to ritual purity rather than moral purity? Part of the problem comes from making the two issues distinct. The priests were to model moral behavior within their ceremonial rituals. Moral purity and ritual purity cannot be separated, especially when discussing the issue of human sexuality. To hold to this rigid distinction

would imply that such sins as adultery were not immoral (consider Lev. 18:20) or that bestiality was morally acceptable (notice Lev. 18:23). The second argument concerns the relevance of the law today. Few Christians today keep kosher kitchens or balk at wearing clothes interwoven with more than one fabric. They believe that those Old Testament laws do not pertain to them. In a similar way pro-homosexual commentators argue that the Old Testament admonitions against homosexuality are no longer relevant today. A practical problem with this argument is that more than just homosexuality would have to be deemed morally acceptable. The logical extension of this argument would also have to make bestiality and incest morally acceptable since prohibitions to these two sins surround the prohibition against homosexuality. If the Mosaic law is irrelevant to homosexuality, then it is also irrelevant to having sex with animals or having sex with children.

More to the point, to say that the Mosaic law has ended is not to say that God has no laws or moral codes for mankind. Even though the ceremonial law has passed, the moral law remains. The New Testament speaks of the "law of the Spirit" (Rom. 8:2) and the "law of Christ" (Gal. 6:2). One cannot say that something that was sin under the Law is not sin under grace. Ceremonial laws concerning diet or wearing mixed fabrics no longer apply, but moral laws (especially those rooted in God's creation order for human sexuality) continue. Moreover, these prohibitions against homosexuality can also be found in the New Testament as we will see next as we consider other passages reinterpreted by pro-homosexual commentators.

New Testament Passages

In our examination of the Old Testament teachings regarding homosexuality, we found that Genesis 19 teaches that the men of Sodom were seeking the strangers in order to have sex with them, not merely asking to meet these men or to extend Middle

Eastern hospitality to them. We also discovered that certain passages in Leviticus clearly condemn homosexuality and are relevant today. These prohibitions were not just for the Old Testament theocracy, but were moral principles binding on human behavior and conduct today.

At this point we will consider some of the New Testament passages dealing with homosexuality. Three key New Testament passages concerning homosexuality are: Romans 1:26-27, 1 Corinthians 6:9, and 1 Timothy 1:10. Of the three, the most significant is Romans 1 because it deals with homosexuality within the larger cultural context.

> *Because of this, God gave them over to shameful lusts. Even their women exchanged natural relations for unnatural ones. In the same way the men also abandoned natural relations with women and were inflamed with lust for one another. Men committed indecent acts with other men, and received in themselves the due penalty for their perversion.*

Here the Apostle Paul sets the Gentile world's guilt before a holy God and focuses on the arrogance and lust of the Hellenistic world. He says they have turned away from a true worship of God so that "God gave them over to shameful lusts." Rather than follow God's instruction in their lives, they "suppress the truth in unrighteousness" (Rom. 1:18) and follow passions that dishonor God.

Another New Testament passage dealing with homosexuality is 1 Corinthians 6:9-10. " Do you not know that the wicked will not inherit the kingdom of God? Do not be deceived: Neither the sexually immoral nor idolaters nor adulterers nor male prostitutes nor homosexual offenders nor thieves nor the greedy nor drunkards nor slanderers nor swindlers will inherit the kingdom of God." Pro- homosexual commentators make use of the "abuse" argument and point out that Paul is only singling out homosexual offenders. In other words, they argue that the

Apostle Paul is condemning homosexual abuse rather than responsible homosexual behavior. In essence, these commentators are suggesting that Paul is calling for temperance rather than abstinence. While this could be a reasonable interpretation for drinking wine (don't be a drunkard), it hardly applies to other sins listed in 1 Corinthians 6 or 1 Timothy 1. Is Paul calling for responsible adultery or responsible prostitution? Is there such a thing as moral theft and swindling? Obviously the argument breaks down. Scripture never condones sex outside of marriage (premarital sex, extramarital sex, homosexual sex). God created man and woman for the institution of marriage (Gen. 2:24). Homosexuality is a violation of the creation order, and God clearly condemns it as unnatural and specifically against His ordained order. As we have seen in the discussion thus far, there are passages in both the Old Testament and the New Testament which condemn homosexuality.

"God Made Me Gay," Part 1

At this point in our discussion, we need to consider the claim made by some homosexuals that, "God made me gay." Is this true? Is there a biological basis to homosexuality? For the remainder of this essay, we will consider the evidence usually cited. Simon LeVay (a neuroscientist at the Salk Institute) has argued that homosexuals and heterosexuals have notable differences in the structure of their brains. In 1991, he studied 41 cadavers and found that a specific portion of the hypothalamus (the area that governs sexual activity) was consistently smaller in homosexuals than in heterosexuals. He therefore argued that there is a distinct physiological component to sexual orientation. There are numerous problems with the study. First, there was considerable range in the size of the hypothalamic region. In a few homosexual men, this region was the same size as that of the heterosexuals, and in a few heterosexuals this region was a small as that of a homosexual.

Second is the chicken and egg problem. When there is a difference in brain structure, is the difference the *result* of sexual orientation or is it the *cause* of sexual orientation? Researchers, for example, have found that when people who become blind begin to learn Braille, the area of the brain controlling the reading finger actual grows larger. Third, Simon LeVay later had to admit that he didn't know the sexual orientation of some of the cadavers in the study. He acknowledged that he wasn't sure if the heterosexual males in the study were actually heterosexual. Since some of those he identified as "heterosexual" died of AIDS, critics raised doubts about the accuracy of his study.

In December 1991, Michael Bailey and Richard Pillard published a study of homosexuality in twins. They surveyed homosexual men about their brothers and found statistics they believed proved that sexual orientation is biological. Of the homosexuals who had identical twin brothers, 52 percent of those twins were also homosexual, 22 percent of those who had fraternal twins said that their twin was gay, and only 11 percent of those who had an adopted sibling said their adopted brothers were also homosexual. They attributed the differences in those percentages to the differences in genetic material shared.

Though this study has also been touted as proving a genetic basis to homosexuality, there are significant problems. First, the theory is not new. It was first proposed in 1952. Since that time, three other separate research studies come to very different conclusions. Therefore, the conclusions of the Bailey-Pillard study should be considered in the light of other contrary studies. Second, most published reports did not mention that only 9 percent of the non- twin brothers of homosexuals were homosexuals. Fraternal twins share no more genetic material than non-twin brothers, yet homosexuals are more than twice as likely to share their sexual orientation with a fraternal twin than with a non-twin brother. Whatever

the reason, the answer cannot be genetic.

Third, why aren't nearly all identical twin brothers of homosexuals also homosexual? In other words, if biology is determinative, why are nearly half the identical twins not homosexual? Dr. Bailey admitted that there "must be something in the environment to yield the discordant twins." And that is precisely the point; there is something (perhaps everything) in the environment to explain sexual orientation. These are two studies usually cited as evidence of a biological basis for homosexuality. Next we will consider a third study often cited to prove the claim that "God made me gay."

"God Made Me Gay," Part 2

Now let's look at another study often cited as proof of this claim. This study is often called the "gay gene" study. In 1993, a team of researchers led by Dr. Dean Hamer announced "preliminary" findings from research into the connection between homosexuality and genetic inheritance. In a sample of 76 homosexual males, the researchers found a statistically higher incidence of homosexuality in their male relatives (brothers, uncles) on their mother's side of the family. This suggested a possible inherited link through the X chromosome. A follow-up study of 40 pairs of homosexual brothers found that 33 shared a variation in a small section of the X chromosome. Although this study was promoted by the press as evidence of the discovery of a gay gene, some of the same concerns raised with the previous two studies apply here. First, the findings involve a limited sample size and are therefore sketchy. Even the researchers acknowledged that these were "preliminary" findings. In addition to the sample size being small, there was no control testing done for heterosexual brothers. Another major issue raised by critics of the study concerned the lack of sufficient research done on the social histories of the families involved.

Second, similarity does not prove cause. Just because 33 pairs

of homosexual brothers share a genetic variation doesn't mean that variation causes homosexuality. And what about the other 7 pairs that did not show the variation but were homosexuals?

Finally, research bias may again be an issue. Dr. Hamer and at least one of his other team members are homosexual. It appears that this was deliberately kept from the press and was only revealed later. Dr. Hamer it turns out is not merely an objective observer. He has presented himself as an expert witness on homosexuality, and he has stated that he hopes his research would give comfort to men feeling guilty about their homosexuality.

By the way, this was a problem in every one of the studies we have mentioned in our discussion. For example, Dr. Simon LeVay said that he was driven to study the potential physiological roots of homosexuality after his homosexual lover died of AIDS. He even admitted that if he failed to find a genetic cause for homosexuality that he might walk away from science altogether. Later he did just that by moving to West Hollywood to open up a small, unaccredited "study center" focusing on homosexuality.

Each of these three studies looking for a biological cause for homosexuality has its flaws. Does that mean that there is no physiological component to homosexuality? Not at all. Actually, it is probably too early to say conclusively. Scientists may indeed discover a clear biological predisposition to sexual orientation. But a predisposition is not the same as a determination. Some people may inherit a predisposition for anger, depression, or alcoholism, yet we do not condone these behaviors. And even if violence, depression, or alcoholism were proven to be inborn (determined by genetic material), would we accept them as normal and refuse to treat them? Of course not. The Bible has clear statements about such things as anger and alcoholism. Likewise, the Bible has clear statements about homosexuality.

In our discussion in this transcript, we have examined the various claims of pro-homosexual commentators and found them wanting. Contrary to their claims, the Bible does not condone homosexual behavior.

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Computers and the Information Revolution

The Impact of the Information Revolution

What has been the impact of the information revolution, and how should Christians respond? Those are the questions we will consider in this essay. Let’s begin by considering how fast our world shifted to a computer-based society. At the end of World War 2, the first electronic digital computer ENIAC weighed thirty tons, had 18,000 vacuum tubes, and occupied a space as large as a boxcar. Less than forty years later, many hand-held calculators had comparable computing power for a few dollars. Today most people have a computer on their desk with more computing power than engineers could imagine just a few years ago.

The impact of computers on our society was probably best seen when in 1982 *Time* magazine picked the computer as its “Man of the Year,” actually listing it as “Machine of the Year.” It is hard to imagine a picture of the Spirit of St. Louis or an Apollo lander on the magazine cover under a banner “Machine of the Year.” This perhaps shows how influential the computer has become in our society.

The computer has become helpful in managing knowledge at a time when the amount of information is expanding exponentially. The information stored in the world's libraries and computers doubles every eight years. In a sense the computer age and the information age seem to go hand in hand.

The rapid development and deployment of computing power however has also raised some significant social and moral questions. People in this society need to think clearly about these issues, but often ignore them or become confused.

One key issue is computer crime. In a sense, computer fraud is merely a new field with old problems. Computer crimes are often nothing more than fraud, larceny, and embezzlement carried out by more sophisticated means. The crimes usually involve changing address, records, or files. In short, they are old-fashioned crimes using high technology.

Another concern arises from the centralization of information. Governmental agencies, banks, and businesses use computers to collect information on its citizens and customers. For example, it is estimated that the federal government has on average about fifteen files on each American. Nothing is inherently wrong with collecting information if the information can be kept confidential and is not used for immoral actions. Unfortunately this is often difficult to guarantee.

In an information-based society, the centralization of information can be as dangerous as the centralization of power. Given sinful man in a fallen world, we should be concerned about the collection and manipulation of vast amounts of personal information.

In the past, centralized information processing was used for persecution. When Adolf Hitler's Gestapo began rounding up millions of Jews, information about their religious affiliation was stored in shoe boxes. U.S. Census Bureau punch

cards were used to round up Japanese Americans living on the West Coast at the beginning of World War II. Modern technology makes this task much easier.

Moreover, the problem it not limited to governmental agencies. Many banking systems, for example, utilize electronic funds-transfer systems. Plans to link these systems together into a national system could also provide a means of tracking the actions of citizens. A centralized banking network could fulfill nearly every information need a malevolent dictator might have. This is not to say that such a thing will happen, but it shows the challenges facing each of us due to the information revolution.

The Social Challenges of Computers

One of the biggest challenges raised by the widespread use of computers is privacy and the confidentiality of computer records. Computer records can be abused like any other system. Reputations built up over a lifetime can be ruined by computer errors and often there is little recourse for the victim. Congress passed the 1974 Privacy Act which allows citizens to find out what records federal bureaucracies have on them and to correct any errors. But more legislation is needed than this particular act and Congress needs to consider legislation that applies to the information revolution.

The proliferation of computers has presented another set of social and moral concerns. In the recent past most of that information was centralized and required the expertise of the “high priests of FORTRAN” to utilize it. Now most people have access to information because of increasing numbers of personal computers and increased access to information through the Internet. This access to information will have many interesting sociological ramifications, and it is also creating a set of troubling ethical questions. The proliferation of computers that can tie into other computers provides more opportunities for computerized crime.

The news media frequently carry reports about computer “hackers” who have been able to gain access to confidential computer systems and obtain or interfere with the data banks. Although these were supposed to be secure systems, enterprising computer hackers broke in anyway. In many cases this merely involved curious teenagers. Nevertheless, computer hacking has become a developing area of crime. Criminals might use computer access to forge documents, change records, and draft checks. They can even use computers for blackmail by holding files for ransom and threatening to destroy them if their demands are not met. Unless better methods of security are found, professional criminals will begin to crack computer security codes and gain quick access into sensitive files.

As with most technological breakthroughs, engineers have outrun lawmakers. Computer deployment has created a number of legal questions. First, there is the problem of establishing penalties of computer crime. Typically, intellectual property has a different status in our criminal justice system. Legal scholars should evaluate the notion that ideas and information need not be protected in the same way as property. Legislators need to enact computer information protection laws that will deter criminals, or even curious computer hackers, from breaking into confidential records.

A second legal problem arises from the question of jurisdiction. Telecommunications allows information to be shared across state and even national borders. Few federal statutes govern this area and less than half the states have laws dealing with information abuse.

Enforcement will also be a problem for several reasons. One reason is the previously stated problem of jurisdiction. Another is that police departments rarely train their personnel in computer abuse and fraud. A third reason is lack of personnel. Computers are nearly as ubiquitous as telephones or photocopiers.

Computer fraud also raises questions about the role of insurance companies. How do companies insure an electronic asset? What value does computer information have? These questions also need to be addressed in the future.

Computers are a wonderful tool, but like any technology poses new challenges in the social and political arenas. I believe that Christians should be the forefront of these new technologies providing wise direction and moral guidelines. We need Christians in the fields of computer technology and electrical engineering who can wisely guide us into the 21st century.

Principles for Computer Ethics

I would like to propose some principles for computer ethics. The first principle is that **one should never do with computers what he or she would consider immoral without them.** An act does not gain morality because a computer has made it easier to achieve. If it is unethical for someone to rummage through your desk, then it is equally unethical for that person to search your computer files. If it is illegal to violate copyright law and photocopy a book, then it is equally wrong to copy a disk of computer software.

A second principle is to **treat information as something that has value.** People who use computers to obtain unauthorized information often do not realize they are doing something wrong. Since information is not a tangible object and can be shared, it does not seem to them like stealing since it does not deprive someone of something. Yet in an information-based society, information is a valuable asset. Stealing information should carry similar legal penalties as stealing tangible objects.

A third principle is to remember that **computers are merely tools to be used, not technology to be worshiped**. God’s mandate is to use technology wisely within His creation. Many

commentators express concern that within an information society, people may be tempted to replace ethics with statistics.

Massive banks of computer data already exert a powerful influence on public policy. Christians must resist society's tendency to undermine the moral basis of right and wrong with facts and figures. Unfortunately, growing evidence indicates that the computer revolution has been a contributing factor in the change from a moral foundation to a statistical one. The adoption of consensus ethics ("51 percent make it right") and the overuse of cost-benefit analysis (a modernized form of utilitarianism) give evidence of this shift.

Fourth, **computers should not replace human intelligence.** In *The Society of Mind* Marvin Minsky, professor at the Massachusetts Institute of Technology, says that "the mind, the soul, the self, are not a singly ghostly entity but a society of agents, deeply integrated, yet each one rather mindless on its own." He dreams of being able ultimately to reduce mind (and therefore human nature) to natural mechanism. Obviously this is not an empirical statement, but a metaphysical one that attempts to reduce everything (including mind) to matter.

The implications, however, are profound. Besides lowering humans to the material process, it begins to elevate machines to the human level. One article asked the question, Would an Intelligent Computer Have a "Right to Life?" Granting computer rights might be something society might consider since many are already willing to grant certain rights to animals.

In a sense the question is whether an intelligent computer would have a soul and therefore access to fundamental human rights. As bizarre as the question may sound, it was no doubt inevitable. When seventeenth-century philosopher Gottfried Wilhelm von Leibniz first described a thinking machine, he was careful to point out that this machine would not have a soul,

fearful perhaps of reaction from the church. But this will be our challenge in the future: how to manage new computing power that will most likely outstrip human intelligence.

The Bible teaches that humans are more than bits and bytes, more than blood and bones. Created in the image of God, human beings have spiritual dimensions. They are more than complex computers. Computers should be used for what they do best: analyze discrete data with objective criteria. Computers are a wonderful tool, but they should not replace human intelligence and intuition.

Biblical Principles Concerning Technology

I would like to present a set of biblical principles concerning technology in general and computer technology in particular.

In essence, technology is the systematic modification of the environment for human ends. Often it is a process or activity that extends or enhances a human function. A microscope, for example, extends man's visual perception. A tractor extends one's physical ability. A computer extends a person's ability to calculate. Technology also includes devices that make physical processes more efficient. The many chemical processes we use to make products fit this description of technology.

The biblical mandate for developing and using technology is stated in Genesis 1:28. God gave mankind dominion over the land, and we are obliged to use and manage these resources wisely in serving the Lord. God's ideal was not to have a world composed exclusively of primitive areas. Before the Fall (Gen. 2:15) Adam was to cultivate and keep the Garden of Eden. After the Fall the same command pertains to the application of technology to this fallen world, a world that "groans" in travail (Rom. 8:22). Technology can benefit mankind in exercising proper dominion, and thus remove some of the effects of the Fall (such as curing disease, breeding

livestock, or growing better crops).

Technology is neither good or evil. The worldview behind the particular technology determines its value. In the Old Testament, technology was used both for good (e.g., the building of the ark, Gen. 6) and for evil (e.g., the building of the Tower of Babel, Gen. 11). Therefore the focus should not be so much on the technology itself as on the philosophical motivation behind its use. There are a number of important principles that should be considered.

First, **technology should be seen as a tool, not as an end in itself.** There is nothing sacred about technology. Unfortunately Western culture tends to rely on it more than is appropriate. If a computer, for example, proves a particular point, people have a greater tendency to believe it than if the answer was a well-reasoned conclusion given by a person. If a machine can do the job, employers are prone to mechanize, even if human labor does a better or more creative job. Often our society unconsciously places machines over man. Humans become servants to machines rather than the other way around.

There is a tendency to look to science and engineering to solve problems that really may be due to human sinfulness (wars, prejudice, greed), the fallenness of the world (death, disease), or God's curse on Adam (finite resources). In Western culture especially, we tend to believe that technology will save us from our problems and thus we use technology as a substitute for God. Christians must not fall into this trap, but instead must exhibit their ultimate dependence on God. Christians must also differentiate between problems that demand a technological solution and ones that can be remedied by a social or spiritual one.

As Christians we should see the value of technology but not be seduced into believing that more and better technology will solve social and moral problems. Computers and the Internet will tell us more about *how* people live, but they won't tell

us how *to* live. Televisions, VCRs, and computers may enrich our lives, but they won't provide the direction we need in our lives. The answer is not more computers and more technology. The ultimate answer to our problems is a personal relationship with Jesus Christ.

A second principle is that **technology should be applied in different ways, according to specific instructions.** For example, there are distinctions between man and animal that, because we are created in God's image (Gen. 1:26-27), call for different applications of medical science. Using artificial insemination to improve the genetic fitness of livestock does not justify using it on human beings. Christians should resist the idea that just because we can do something we should do it. Technological ability does not grant moral permission.

Many commentators, most notably E. F. Schulmacher, have focused on the notion of appropriate technology. In Third World countries, for example, sophisticated energy-intensive and capital-intensive forms of agriculture may be inappropriate for the culture as it presently exists. Industrial advance often brings social disruption and increasing havoc to a society. Developing countries must use caution in choosing the appropriate steps to industrialize, lest they be greatly harmed in the process.

I believe we should resist the temptation to solve every problem with computers. Our society today seems bent to putting computers in every classroom and in every place of work. As helpful as computers may be, I believe we need to question this seemingly mindless attempt to fill our world with computers. They are a wonderful tool, but that is all they are. We must be careful not to substitute computers for basics like phonics, mathematics, logic, and wise business practices.

Third, **ethics rather than technology must determine the direction of our society.** Jacques Ellul has expressed the

concern that technology moves society instead of vice versa. Our society today seems all too motivated by a technological imperative in our culture. The technological ability to do something is not the same as a moral imperative to do it. Technology should not determine ethics.

Though scientists may possess the technological ability to be gods, they nevertheless lack the capacity to act like gods. Too often, man has tried to use technology to become God. He uses it to work out his own physical salvation, to enhance his own evolution, or even to attempt to create life. Christians who take seriously human fallenness will humbly admit that we often do not know enough about God's creation to use technology wisely. The reality of human sinfulness means that society should be careful to prevent the use of technology for greed and exploitation.

Technology's fruits can be both sweet and bitter. C.S. Lewis writes in *The Abolition of Man*, "From this point of view, what we call Man's power over Nature turns out to be power exercised by some men over men with Nature as its instrument. . . . There neither is nor can be any simple increase of power on Man's side. Each new power won by man is a power over man as well. Each advance leaves him weaker as well as stronger. In every victory, besides being the general who triumphs, he is also the prisoner who follows the triumphal car."

Christians must bring strong biblical critique to each technological advance and analyze its impact. Computers are a wonderful tool, but Christians should constantly evaluate their impact as we live through the information revolution.

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False Guilt – Refusing Christ's Atonement

Kerby Anderson provides an insightful look at the important topic of false guilt. He helps us look at the sources of false guilt, it's consequences and the cure in Jesus Christ. If we refuse to fully accept Christ's atonement we can be trapped in false guilt, instead we should embrace His atonement and accept what He did on the cross for us.

Introduction

Have you ever felt guilty? Of course you have, usually because you were indeed guilty. But what about those times when you have feelings of guilt even when you didn't do anything wrong? We would call this false guilt, and that is the subject of this essay.

False guilt usually comes from an overactive conscience. It's that badgering pushing voice that runs you and your self-image into the ground. It nags: "You call this acceptable? You think this is enough? Look at all you've not yet done! Look at all you have done that's not acceptable! Get going!"

You probably know the feeling. You start the day feeling like you are in a hole. You feel like you can never do enough. You have this overactive sense of duty and can never seem to rest. One person said he "felt more like a human doing than a human being." Your behavior is driven by a sense of guilt. That is what we will be talking about in these pages.

Much of the material for this discussion is taken from the book entitled *False Guilt* by Steve Shores. His goal is to help you determine if you (1) have an overactive conscience and (2) are driven by false guilt. If these are problem areas for you, he provides practical solutions so you can break the cycle of

false guilt. I recommend his book especially if you can recognize yourself in some of the material we cover in this essay.

In his book, Steve Shores poses three sets of questions, each with some explanation. An affirmative answer to any or all of these questions may indicate that you struggle with false guilt and an overactive conscience.

1. Do you ever feel like this: “Something is wrong with me. There is some stain on me, or something badly flawed that I can neither scrub out nor repair”? Does this feeling persist even though you have become a Christian?

2. Is Thanksgiving sort of a difficult time of year for you? Do you find it hard to muster up the Norman Rockwell spirit—you know… Mom and Dad and grandparents and kids all seated around mounds of food? Dad is carving the turkey with a sure and gentle expression on his face, and everyone looks so…well, so thankful? Do you find yourself, at any time of the year, dutifully thanking or praising God without much passion?

3. How big is your dance floor? What I mean is, How much freedom do you have? Do you feel confined by Christianity? To you, is it mainly a set of restrictions? Is it primarily a source of limits: don’t do this, and don’t do that? Does your Christianity have more to do with walls than with windows? Is it a place of narrowness or a place where light and air and liberty pour in?

Usually a person driven by false guilt is afraid of freedom because in every act of freedom is the possibility of offending someone. Offending someone is unacceptable. Other people are seen as pipelines of approval. If they’re offended, the pipeline shuts down.

False guilt, along with an overactive conscience, is a hard master. As we turn now to look at the causes and the cures for false guilt, we hope to explain how to break down the

confining walls and tiresome chains that may have kept you or a loved one in bondage to false guilt.

The Source of False Guilt

Next, I would like to focus on the source of false guilt: an overactive conscience. What is an overactive conscience? How does it function? Steve Shores says, “The mission of a person’s overactive conscience is to attract the expectations of others.”

Imagine a light bulb glowing brightly on a warm summer’s night. What do you see in your mind’s eye? Bugs. Bugs of every variety are attracted to that light. The light bulb serves as a magnet for these insects. Imagine that light is an overactive conscience. The expectations of others are the “bugs” that are attracted to the “light” of an overactive conscience.

Now imagine a light bulb burning inside a screened porch. The bugs are still attracted, but they bounce off the screen. The overactive conscience has no screen. But it is more than that. The overactive conscience doesn’t want a screen. The more “bugs” the better. Why? Because the whole purpose is to meet expectations in order to gain approval and fill up the emptiness of the soul. This is an overactive conscience, a light bulb with lots of bugs and no screen.

A key to understanding the overactive conscience is the word “active.” Someone with false guilt has a conscience that is always on the go. False guilt makes a person restless, continually looking for a rule to be kept, a scruple to observe, an expectation to be fulfilled, or a way to be an asset to a person or a group.

The idea of being an asset is a crucial point. When I am an asset, then I am a “good” person and life works pretty well. When I fear I’ve let someone down, then I am a liability. My

life falls apart, and I will work hard to win my way back into the favor of others.

So an overactive conscience is like a magnet for expectations. These expectations come from oneself, parents (whether alive or not), friends, bosses, peers, God, or distorted images of God. False guilt makes the overactive conscience voracious for expectations. False guilt is always looking for people to please and rules to be kept.

An overactive conscience is also seeking to keep the “carrot” of acceptance just out of reach. This “carrot” includes self-acceptance and acceptance from others and from God. The guilt-ridden conscience continually says, “Your efforts are not good enough. You must keep trying because, even if your attempts don’t measure up, the trying itself counts as something.”

For that reason, an overactive conscience is not happy at rest. Though rest is the birthright of the Christian, relaxing is just too dangerous, i.e., relaxing might bring down my guard, and I might miss signs of rejection. Besides, acceptance is conditional, and I must continually prove my worthiness to others. I can never be a liability if I am to expect acceptance to continue. It is hard to relax because I must be ever fearful of letting someone down and must constantly work to gain acceptance.

In summary, a person with false guilt and an overactive conscience spends much of his or her life worn out. Unrelenting efforts to meet the expectations of others can have some very negative consequences.

The Consequences of False Guilt

Now I would like to focus on the consequences of false guilt. An overactive conscience can keep you in a state of constant uncertainty. You never know if you measure up. You never know if you have arrived or not. You are always on the alert.

According to Steve Shores there are a number of major consequences of false guilt.

The first consequence he calls “striving without arriving.” In essence, there is no hope in the system set up by the overactive conscience. You must always try harder, but you never cross the finish line. You seem to merely go in circles. Or perhaps it would be better to say you go in a spiral, as in a downward spiral. Life is a perpetual treadmill. You work hard and strive, but you never arrive. Life is hard work and frustration with little or no satisfaction.

The second consequence is “constant vigilance.” The overactive conscience produces constant self-monitoring. You are constantly asking if you are being an asset to other people and to God. You are constantly evaluating and even doubting your performance. And you never allow yourself to be a liability to the group or to any particular individual.

A third consequence is “taking the pack mule approach to life.” An overactive conscience involves a lifelong ordeal in which you attempt to pass a demanding test and thus reveal your worth. The test consists of accumulating enough evidences of goodness to escape the accusation that you are worthless. For the guilt-ridden person, this test involves taking on more duties, more responsibilities, more roles. As the burdens pile higher and higher, you become a beast of burden, a “pack mule” who takes on more responsibility than is healthy or necessary.

Just as there is no forward progress (e.g., “striving without arriving”), so there is also an ever-increasing sense of burden. Each day demands a fresh validation of worthiness. There is never a time when you can honestly say, “that’s enough.”

Finally, the most devastating consequence of false guilt is its effect not just on individuals but the body of Christ. Christians who struggle with an overactive conscience can

produce weak, hollow, compliant believers in the church. They are long on conformity and short on passion and substance. They go to church not because they crave fellowship, but because they want to display compliance. They study God's word not so much out of a desire to grow spiritually, but because that is what good Christians are supposed to do. We do what we do in order to "fit in" or comply with the rules of Christianity.

Steve Shores says that the central question of church becomes, "Do I look and act enough like those around me to fit in and be accepted?" Instead we should be asking, "Regardless of how I look and act, am I passionately worshiping God, deeply thirsting for Him, and allowing Him to change my relationships so that I love others in a way that reflects the disruptive sacrifice of Christ?"

The Continuation of False Guilt

Next, I would like to talk about why people continue to feel false guilt even though they know they are forgiven. After all, if Christ paid the penalty for our sins, why do some Christians still have an overactive conscience and continue to feel guilt so acutely? Part of the compulsion comes from feeling the noose of false guilt tighten around our necks so that we panic and fail to think rationally about our situation.

Steve Shores uses the example of a death-row inmate who has just learned of an eleventh-hour stay of execution. He has just been pardoned, but his body and emotions don't feel like it. He has been "sitting in the electric chair, sweaty-palmed and nauseated, when the wall phone rings with the news of the reprieve." He may feel relief, but the feeling of relief is not total. He is only off the hook for awhile. He will still return to his cell.

The person with a overactive conscience lives in that death-

row cell. The reprieve comes from responding to that guilt-driven voice in his conscience. For Bill it manifested itself in a compulsive need to serve others. If he were asked to teach AWANA or to teach a Sunday school class, he would have great difficulty saying “No.” He had to say “Yes” or else he would feel the noose of false guilt tighten around his neck.

Bill’s comments were sad but illuminating. He said: “I felt as though not teaching the class would confirm that I am a liability. The disappointment…would inflict shame I felt as a boy. Disappointing others always meant that there would be some sort of trial to decide whether I really belonged in the family.”

He went on to tell of the time he made a “C” on his report card (the rest of the grades were “A’s” and “B’s”). His father lectured him unmercifully. At one point, his father declared that “it was Communist to bring home such a bad grade.” Bill didn’t know what a Communist was or what Communism had to do with bad grades. But he did understand that if he didn’t bring home good grades he was unworthy.

Bill even remembered the six agonizing weeks until the next report card. When it arrived he received five “A’s” and one “B.” What was his father’s response? Was it delight? Was it an apology for his previous comments? Not at all. His father merely said, “That’s more like it.” The reprieve was halfhearted and temporary.

In essence, false guilt is a stern warden that may give a temporary reprieve but is always ready to call upon you to prove your worthiness once again. We may know that Christ died for our sins. We may know that our sins are forgiven. We may know that we have value and dignity because we are created in God’s image. But we may feel unworthy and feel as if we must prove ourselves at a moment’s notice.

The key, as we will see in the next section, is to embrace

Christ’s atonement rather than our own. We must not only know that we are forgiven through Jesus Christ, but act upon that reality so that we live a life through grace rather than legalism.

A Cure for False Guilt

Finally, I would like to conclude by talking about Christ’s atonement for us. If we are to break the chain of false guilt, then we must embrace Christ’s atonement rather than our own. Although that statement may seem obvious, it is difficult for someone with an overactive conscience to truly embrace emotionally. For such a person, perfection is the means of achieving salvation. If I can be perfect, then I will no longer feel shame, and I will no longer feel guilt. This is the personal atonement that someone with false guilt often is seeking.

The Bible clearly teaches that Christ’s atonement was for our sins. Sin is “any attitude, belief, or action that constitutes rebellion against or transgression of God’s character.” Clearly sinful man is incapable of making restitution because our best works are as filthy rags before a holy and omnipotent God (Isaiah 64:6). Our atonement must be made by someone with clean hands and a sinless life. Christ, of course, fulfilled that requirement and died in our place for our sins.

Nevertheless, someone with false guilt seeks a form of self-atonement. Why? Well, there are at least two reasons: indiscriminate shame and doubt about the character of God. The first is indiscriminate shame. We should feel guilty and we should feel shame for sinful behavior. The problem comes when we feel guilt and shame even when a sinful action or attitude is not present. Steve Shores believes that the “weeds of shame” can begin to sprout even when we have a legitimate need. We then tend to use the machete of false guilt to trim these weeds back. We say, “If I can do enough things right, I can control this and no one will know how bad and weak I am.”

This performance-oriented lifestyle is a way of hacking at the weeds that grow in the soil of illegitimate shame.

The second reason for false guilt is a stubborn propensity to doubt the character of God. Many Christian psychologists and counselors have argued that the reason we may question our Heavenly Father's character is because we question our earthly father's character. And for those who have been abused or neglected by their fathers, this is an adequate explanation. But we even see in the Garden of Eden, Adam and Eve doubting God and they did not even have earthly fathers. So I believe it is more accurate to say that our sin nature (not our family of origin) has a lot to do with our tendency to doubt God's character.

This is manifested by two tendencies: blaming and hiding. When we feel false guilt, we tend to want to blame others or blame ourselves. If we blame others, we manifest a critical spirit. If we blame ourselves, we feel unworthy and don't want others to see us as we are and we hide emotionally from others. The solution is for us to embrace Christ's atonement and accept what He did on the cross for us. Christ died once for all (Romans 6:10) that we might have everlasting life and freedom from guilt and the bondage to sin.

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Teen Drug Abuse

A Nine Inch Nails album *The Downward Spiral* features a song "My Self Destruct" with the lyrics: "I am the needle in your vein and I control you, I am the high you can't sustain and I control you." Another song, "Hurt," explores drugs as a means of escape with lyrics like, "The needle tears a hole, the old

familiar sting, try to kill it all away.”

Five Dodge City, Kansas teenagers, high on marijuana, killed a stranger for no obvious reason. Three West Palm Beach, Florida teenagers mixed beer, rum, marijuana and cocaine. They then kidnapped and set ablaze a tourist from Brooklyn.

Nearly everywhere we look, the consequences of drug abuse can be seen. Violent street gangs, family violence, train crashes, the spread of AIDS, and babies born with cocaine dependency all testify to the pervasive influence of drugs in our world.

The statistics are staggering. The average age of first alcohol use is 12 and the average age of first drug use is 13. According to the National Institute on Drug Abuse, 93 percent of all teenagers have some experience with alcohol by the end of their senior year of high school and 6 percent drink daily. Almost two-thirds of all American young people try illicit drugs before they finish high school. One out of sixteen seniors smokes marijuana daily and 20 percent have done so for at least a month sometime in their lives. A recent poll found that adolescents listed drugs as the most important problem facing people their age, followed by crime and violence in school and social pressures.

Drugs have changed the social landscape of America. Street gangs spring up nearly overnight looking for the enormous profits drugs can bring. Organized crime is also involved in setting up franchises that would make McDonald’s envious. But these are not hamburgers. In the world of drugs, homicidally vicious gangs compete for market share with murderous results. Many gang members outgun the police with their weapons of choice: semi-automatic pistols, AK-47s, and Uzis. Drug dealers have also gone high tech using cellular phones and computers to keep track of deals, while their teenage runners wear phone beepers in school.

The Parents’ Resource Institute for Drug Education (PRIDE)

reports that children who abuse illicit drugs are significantly more likely to carry a gun to school, take part in gang activities, think of suicide, threaten harm to others, and get in trouble with the police than children who abstain.

One survey released by the University of Colorado shows that the problem of drug use is not just outside the church. The study involved nearly 14,000 junior high and high school youth and compared churched young people with unchurched young people and found very little difference. For example, 88 percent of the unchurched young people reported drinking beer as compared to 80 percent of churched young people. When asked how many had tried marijuana, 47 percent of the unchurched young people had done so compared to 38 percent of the churched youth. For amphetamines and barbiturates, 28 percent of the unchurched had tried them while 22 percent of the church young people had tried them. And for cocaine use, the percentage was 14 percent for unchurched youths and 11 percent for churched youths.

Fighting drugs often seems futile. When drug dealers are arrested, they are often released prematurely because court dockets are overloaded. Plea bargaining and paroles are standard fare as the revolving doors of justice spin faster. As the casualties mount in this war against drugs, some commentators have begun to suggest that the best solution is to legalize drugs. But you don’t win a war by surrendering. If drugs were legalized, addiction would increase, health costs would increase, and government would once again capitulate to societal pressures and shirk its responsibility to establish moral law.

But if legalization is not the answer, then something must be done about the abuse of drugs like alcohol, cocaine, marijuana, heroin, and PCP. Just the medical cost of drug abuse was estimated by the National Center for Health Statistics to be nearly $60 billion, and the medical bill for alcohol was nearly $100 billion.

How to Fight the Drug Battle

Society must fight America's drug epidemic on five major fronts. The first battlefront is at the border.Federal agents must patrol the 8426 miles of deeply indented Florida coastline and a 2067 mile border with Mexico. This is a formidable task, but vast distances are not the only problem.

The smugglers they are up against have almost unlimited funds and some of the best equipment available. Fortunately, the federal interdiction forces (namely Customs, DEA, and INS) are improving their capability. Customs forces have been given an increase in officers and all are getting more sophisticated equipment.

The second battlefront is law enforcement at home. Police must crack down with more arrests, more convictions, longer sentences, and more seizures of drug dealers' assets. Unfortunately, law enforcement successes pale when compared to the volume of drug traffic. Even the most effective crackdowns seem to do little more than move drugs from one location to another.

An effective weapon on this battlefront is a 1984 law that makes it easier to seize the assets of drug dealers before conviction. In some cities, police have even confiscated the cars of suburbanites who drive into the city to buy crack.

But attempts to deter drug dealing have been limited by flaws in the criminal justice system. A lack of jail cells prevents significant prosecution of drug dealers. And even if this problem were alleviated, the shortage of judges would still result in the quick release of drug pushers.

A third battlefront is drug testing. Many government and business organizations are implementing testing on a routine basis in order to reduce the demand for drugs.

The theory is simple. Drug testing is a greater deterrent to

drug use than the remote possibility of going to jail. People who know they will have to pass a urine test in order to get a job are going to be much less likely to dabble in drugs. In 1980, 27 percent of some 20,000 military personnel admitted to using drugs in the previous 30 days. Five years later when drug testing was implemented, the proportion dropped to 9 percent.

But drug testing is not without its opponents. Civil libertarians feel this deterrent is not worth the loss of personal privacy. Some unions believe that random testing in the workplace would violate the Fourth Amendment's prohibition against unreasonable searches. A fourth battleground is drug treatment. Those who are addicted to drugs need help. But the major question is, Who should provide the treatment and who should foot the bill? Private hospital programs are now a $4 billion-a-year business with a daily cost of as much as $500 per bed per day. This is clearly out of the reach of many addicts who do not have employers or insurance companies who can pick up the costs.

A fifth battleground is education. Teaching children the dangers of drugs can be an important step in helping them to learn to say no to drugs. The National Institute on Drug Abuse estimates that 72 percent of the nation's elementary and secondary-school children are being given some kind of drug education.

Should We Legalize Drugs?

Those weary of the war on drugs have suggested that we should decriminalize drugs. Former Surgeon General Joycelyn Elders suggested we study the impact of legalizing drugs. For years, an alliance of liberals and libertarians have promoted the idea that legalizing drugs would reduce drug costs and drug crimes in this country. But would it? Let's look at some of the arguments for drug legalization.

1. Legalization will take the profit out of the drug business.

As surprising as it may sound, relatively few drug dealers actually earn huge sums of money. Most in the crack business are low-level runners who make very little money. Many crack dealers smoke more crack than they sell. Drug cartels are the ones making the big profits.

Would legalizing drugs really affect large drug dealers or drug cartels in any appreciable way? Drug cartels would still control price and supply even if drugs were legalized in this country. If government set the price for legalized drugs, criminals could undercut the price and supply whatever the government did not supply.

Addicts would not be significantly affected by legalization. Does anyone seriously believe that their behavior would change just because they are now using legal drugs instead of illegal drugs? They would still use theft and prostitution to support their habits.

Proponents also argue that legalizing drugs would reduce the cost of drugs and thus reduce the supply of drugs flowing to this country. Recent history suggests that just the opposite will take place. When cocaine first hit the United States, it was expensive and difficult to obtain. But when more was dumped into this country and readily available in less expensive vials of crack, drug addiction rose and drug-related crimes rose.

2. Drug legalization will reduce drug use.

Proponents argue that legalizing drugs will make them less appealing they will no longer be “forbidden fruit.” However, logic and social statistics suggest that decriminalizing drugs will actually increase drug use.

Those arguing for the legalization of drugs often point to Prohibition as a failed social experiment. But was it? When Prohibition was in effect, alcohol consumption declined by 30 to 50 percent and death from cirrhosis of the liver fell dramatically. One study found that suicides and drug-related arrests also declined by 50 percent. After the repeal of the 18th amendment in 1933, alcoholism rose. So did alcohol-related crimes and accidents. If anything, Prohibition proves the point. Decriminalization increases drug use.

Comparing alcohol and drugs actually strengthens the argument against legalization since many drugs are even more addictive than alcohol. Consider, for example, the difference between alcohol and cocaine. Alcohol has an addiction rate of approximately 10 percent, while cocaine has an addiction rate as high as 75 percent.

Many drugs are actually “gateway drugs” to other drugs. A 1992 article in The Journal of Primary Prevention found that marijuana is essentially a “necessary” condition for the occurrence of cocaine use. Other research shows that involvement with illicit drugs is a developmental phenomenon, age correlates with use, and cigarette and alcohol use precedes marijuana use.

Dr. Robert DuPont, former head of the National Institute on Drug Abuse, argues that the potential market for legal drugs can be compared to the number of Americans who now use alcohol (140 million persons). If his analysis is correct, then approximately 50 million Americans would eventually use cocaine if it were a legal drug.

But the real question is not, Which is worse: alcohol or drugs? The question is whether we can accept both legalized alcohol and legalized drugs. Legalized alcohol currently leads to 100,000 deaths/year and costs us $99 billion/year. We don’t need to legalize drugs too.

3. Legalizing drugs will reduce social costs.

“We are losing the war on drugs,” say drug legalization proponents, “so let’s cut the costs of drug enforcement by decriminalizing drugs.”

Currently the U.S. spends $11 billion/year to combat drug-related crime.If drugs were made legal, some crime-fighting costs might drop but many social costs would certainly increase: other forms of crime (to support habits), drug-related accidents, and welfare costs.

Statistics from states that have decriminalized marijuana demonstrate this concern. In California, within the first six months of decriminalization, arrests for driving under the influence of drugs rose 46 percent for adults and 71.4 percent for juveniles. The use of marijuana doubled in Alaska and Oregon when it was decriminalized in those states.

Crime would certainly increase. Justice Department figures show that approximately one-third of inmates used drugs prior to committing their crimes.

And juvenile crime would no doubt increase as well. A 1990 study published in the Journal of Drug Issues found a strong association between the severity of the crime and the type of substance used the more intoxicating the substance, the more serious the incident.

Meanwhile, worker productivity would decrease and student productivity would decrease.

The Drug Enforcement Administration estimates that drug decriminalization will cost society more than alcohol and tobacco combined, perhaps $140-210 billion a year in lost productivity and job-related accidents.

Government services would no doubt have to be expanded to pay for additional drug education and treatment for those addicted

to legal drugs. And child protective services would no doubt have to expand to deal with child abuse. Patrick Murphy, a court-appointed lawyer for 31,000 abused and neglected children in Chicago, says that more than 80 percent of the cases of physical and sexual abuse of children now involve drugs. Legalizing drugs will not reduce these crimes; it would make the problem worse.

And is it accurate to say we are losing the war on drugs? Drug use in this country was on the decline in the 1980s due to a strong anti-drug campaign. Casual cocaine use, for example, dropped from 12 million in 1985 to 6 million in 1991. You don't win a war by surrender. Legalizing drugs in this country would constitute surrender in the drug war at a time when we have substantial evidence we can win this battle on a number of fronts.

4. Government should not dictate moral policy on drugs.

Libertarians who promote drug legalization value personal freedom. They believe that government should not dictate morals and fear that our civil liberties may be threatened by a tougher policy against drugs.

The true threat to our freedoms comes from the drug cartels in foreign countries, drug lords in this country, and drug dealers in our streets. Legalizing drugs would send the wrong message to society. Those involved in drug use eventually see that drugs ultimately lead to prison or death, so they begin to seek help.

Obviously some people are going to use drugs whether they are legal or illegal. Keeping drugs illegal maintains criminal sanctions that persuade most people their life is best lived without drugs. Legalization, on the other hand, removes the incentive to stay away from drugs and increases drug use.

William Bennett has said, "I didn't have to become drug czar to be opposed to legalized marijuana. As Secretary of

Education I realized that, given the state of American education, the last thing we needed was a policy that made widely available a substance that impairs memory, concentration, and attention span. Why in God's name foster the use of a drug that makes you stupid?"

Biblical Perspective

Some people may believe that the Bible has little to say about drugs, but this is not so. First, the Bible has a great deal to say about the most common and most abused drug: alcohol. Ephesians 5:18 admonishes Christians not to be drunk with wine. In many places in Scripture drunkenness is called a sin (Deut. 21:20-21, Amos 6:1, 1 Cor.6:9-10, Gal. 5:19-20). The Bible also warns of the dangers of drinking alcohol in Proverbs 20:1, Isaiah 5:11, Habakkuk 2:15-16. If the Bible warns of the danger of alcohol, then by implication it is also warning of the dangers of taking other kinds of drugs.

Second, drugs were an integral part of many ancient near East societies. For example, the pagan cultures surrounding the nation of Israel used drugs as part of their religious ceremonies. Both the Old Testament and New Testament condemn sorcery and witchcraft. The word translated "sorcery" comes from the Greek word from which we get the English words "pharmacy" and "pharmaceutical." In ancient time, drugs were prepared by a witch or shaman.

Drugs were used to enter into the spiritual world by inducing an altered state of consciousness that allowed demons to take over the mind of the user. In that day, drug use was tied to sorcery. In our day, many use drugs merely for so-called "recreational" purposes, but we cannot discount the occult connection.

Galatians 5:19-21 says: "The acts of the sinful nature are obvious: sexual immorality, impurity and debauchery, idolatry and witchcraft [which includes the use of drugs]; hatred,

discord, jealousy, fits of rage, selfish ambition, dissensions, factions, and envy; drunkenness, orgies, and the like.I warn you, as I did before, that those who live like this will not inherit the kingdom of God." The word witchcraft here is also translated "sorcery" and refers to the use of drugs. The Apostle Paul calls witchcraft that was associated with drug use a sin. The non-medical use of drugs is considered one of the acts of a sinful nature. Using drugs, whether to "get a high" or to tap into the occult, is one of the acts of a sinful nature where users demonstrate their depraved and carnal nature.

The psychic effects of drugs should not be discounted. A questionnaire designed by Charles Tate and sent to users of marijuana documented some disturbing findings. In his article in *Psychology Today* he noted that one fourth of the marijuana users who responded to his questionnaire reported that they were taken over and controlled by an evil person or power during their drug induced experience. And over half of those questioned said they have experienced religious or "spiritual" sensations in which they meet spiritual beings.

Many proponents of the drug culture have linked drug use to spiritual values. During the 1960s, Timothy Leary and Alan Watts referred to the "religious" and "mystical" experience gained through the use of LSD (along with other drugs) as a prime reason for taking drugs.

No doubt drugs are dangerous, not only to our body but to our spirit. As Christians, we must warn our children and our society of the dangers of drugs.

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UN Conferences

Habitat II and Sustainable Development

Although United Nations conferences have been taking place frequently over the last two decades, most Americans have ignored the proceedings and their ominous implications. Recent conferences in Cairo, Beijing, and Istanbul have been a vivid reminder of the radical ideology of the UN and the threat it poses to our faith, family, and freedom.

The direction of the last few conferences illustrates this point. The 1992 Earth Summit in Rio de Janeiro established an environmental foundation for all the UN's radical social and economic agendas. The 1994 Cairo Conference focused on population control and attempted to push abortion and contraception as solutions to the perceived "problem" of overpopulation. The 1995 Women's Conference in Beijing, China, proved to be the most radical of all. It continued to push abortion as a human right and attempted to make sexual orientation a human right by promoting the idea that genders are not clearly defined but are socially constructed. The White House has already created an Inter-Agency Council to implement the Beijing platform in the private sector and every executive agency.

The recently completed conference in Istanbul, Turkey, built upon the foundation of the other conferences and was the culmination of the conferences. Wally N'Dow, Secretary General of Habitat II, predicted that the conference would be a "new beginning that will reflect and implement the actions called for at the unprecedented continuum of global conferences that have marked this closing decade of the century." He said that

“a new global social contract for building sustainable human settlements must be forged” for the “new global urban world order.” Mindful of the controversy surrounding the other conferences, he declared, “There will be no roll-back of any of the conferences, including Beijing.”

Habitat II focused on the problems of urban centers. Its goal was to create “economically, socially and environmentally thriving urban communities” in order to better the lives of people living in third-world countries. Although the goals were commendable, the agenda of the conference participants went far beyond urban blight.

A key concept in the Habitat II agenda was sustainable development. In the school curriculum developed by the UN, sustainable development was defined as “meeting the needs of the present generation without damaging the Earth’s resources in such a way that would prevent future generations from meeting [their needs].” It includes “changing wasteful consumption patterns” and “emphasizing equitable development” in order to “bridge the gap between rich and poor countries.” In practice, sustainable development is a radical concept that will limit the amount of food, energy, or general resources that citizens of a nation can consume. Rather than consuming what they can afford, “rich” nations (like the U.S.) might only be allowed to consume what they need to stay alive.

One UN publication declares that we “must learn to live differently” and calls for this international agency to “ensure that the benefits of development are distributed equally.” To achieve this so-called “equal distribution,” there must be a redistribution of wealth throughout the planet. The UN has already drafted specific plans for implementing sustainable development in the U.S. In spite of the frightening implications of these conferences, U.S. taxpayers have been footing the bill for them and their radical agendas.

Habitat II: Global Taxes and National Sovereignty

The most recent conference in Istanbul, Turkey, known as Habitat II is illustrative of another major concern: namely, the threat these conferences pose to our national sovereignty.

Habitat II called for national governments to manage economic systems. These include public and private investment practices, consumption patterns, and public policy. UN Secretary Boutros Boutros Ghali told the first plenary session that he wanted the conference to be a "Conference of Partners."

Another section was devoted to the international community and its involvement with national governments. The Global Plan of Action calls for the international community to force changes in the world's economic structures.

The UN also intends to reach sustainable development by changing the structure of national governments. In fact, the Habitat agenda depends upon UN oversight of national, regional, state, and local governments. The document asks city administrators to re-design their regulations, political systems, and judicial and legislative procedures. It was no accident that the conference was filled with mayors from many U.S. cities as well as from cities around the world.

The Habitat document proposed that "government at all levels should encourage . . . walking, cycling, and public transport . . . through appropriate pricing . . . and regulatory measures." Governments are charged with the responsibility of encouraging citizens to walk, ride bicycles, or take public transportation. This would be accomplished by the heavy taxation and burdensome regulations often found in socialist economies.

UN Secretary General Boutros Boutros Ghali has also called for

global taxes on international currency transactions, energy, and travel to fund the United Nations. During the conference, the U.S. was harshly criticized for being delinquent in its payment to the UN. It currently owes $1.5 billion. Currently the U.S. pays about 25 percent of the UN budget and nearly 40 percent of the "peacekeeping" costs. The UN hopes that in the next few years they are able to implement this global tax so they can be free of U.S. influence and enact their radical global agenda.

This global tax proposed by Boutros Boutros Ghali would be received from international currency transactions, energy shipments, and international travel. If implemented, it would remove the UN's dependence on sovereign nations. No longer would the United States or other countries have a check and balance against an international organization. The UN could pay for its activities, fund UN peacekeeping forces, and conduct many of its affairs independently of the United States.

Canadian developer Maurice Strong is often considered a likely candidate to become the future Secretary General of the United Nations. He has called for a shift in our current thinking. He has stated that this change in thinking "will require a vast strengthening of the multilateral system, including the United Nations. . . . We must now forge a newEarth Ethic' which will inspire all people and nations to join in a new global partnership of North, South, East and West."

This global vision should especially concern Christians mindful of end-times prophecy. At the time when the world seems to be moving swiftly towards global government, the prospects of a stronger United Nations autonomous of sovereign nations is a scary scenario. This bolder and stronger United Nations would further erode U.S. sovereignty and strengthen the hand of world leaders who are promoting globalist visions of a one-world government.

UN Conferences: Four Areas of Concern

Now I want to discuss the possible effects of the UN conferences on our families and communities. I see several issues on great concern to Christians.

The first issue is education. Many of the concepts from Habitat II, like “sustainable development,” have already infiltrated America’s schools. Textbooks promote global citizenship and minimize national sovereignty. Other textbooks blame rich northern countries (like the U.S.) for retarding the growth and development in lesser developed countries. “Tolerance” and “global peace” are emphasized as the ultimate aims of society. The Goals 2000 federal program for education in this country provides the perfect mechanism to transmit these global UN philosophies into school curricula. A second issue is the impact on families. The Habitat II conference continued the UN attempt to redefine the family. Many UN leaders see the traditional family as an obstacle to UN dominance.

The Habitat II platform stated that “in different cultural, political and social systems, various forms of the family exist.” Many participants asked that “sexual orientation” be included as a civil rights category. In many ways, this merely extended the concept promoted during the Beijing Women’s Conference that gender be defined not as male and female, but as one of five genders that are socially constructed. Habitat II also promoted “gendered cities” which are to be organized in terms of “gender roles.” The third issue has to do with population. The UN Population Fund says that population growth is a key inhibitor of sustainable growth. UN recommendations of population control are based upon the faulty premise that the world is in the midst of a population explosion that cannot be controlled. Participants raised the fear of losing resources even though there is empirical evidence to the contrary.

Because of the UN's anti-population bias, the Habitat II document emphasizes "sustainable development" as the mechanism for population control. Thus, "family planning" is a key concept, and the document therefore emphasizes surgical abortions and chemical abortions (RU-486). The Habitat platform specifically mentions "reproductive health services" for women in human settlements and calls for government management of economic and population growth.

A final issue concerns the area of ecology and pollution. At the 1992 UN Earth Summit, Canadian developer Maurice Strong stated, "It is clear that current lifestyles and consumption of large amounts of frozen convenience foods, use of fossil fuels, appliances, home and workplace air conditioners and suburban housing are not sustainable." Many believe Maurice Strong will probably succeed Boutros Boutros Ghali as UN Secretary General and are rightly concerned about his New Age views on ecology. The Habitat II document encourages nations to use heavy taxation and various regulations to ensure that citizens walk, ride bicycles, and take public transportation.

The threats posed by these UN Conferences (including the recent conference in Istanbul) are real. American citizens must fight these radical ideas and ensure that our politicians do not give away our sovereignty on the pretext of easing ecological problems. We should be good stewards of the environment, but we should not place that responsibility in the hands of those in the United Nations who want to use it as a tool for global dominance.

Globalism and the Traditional Family

Now I would like to turn our attention to the goals of the globalists. Though they are a diverse and eclectic group of international bankers, politicians, futurists, religious leaders, and economic planners, they are unified in their desire to unite the planet under a one-world government, a single economic system, and a one-world religion. Through

various governmental programs, international conferences, and religious meetings, they desire to unite the various governments of this globe into one single network.

Although this can be achieved in a variety of ways, the primary focus of globalists is on the next generation of young people. By pushing global education in the schools, they believe they can indoctrinate them to accept the basic foundations of globalism. According to one globalist, global education seeks to "prepare students for citizenship in the global age." Globalists believe that this new form of education will enable future generations to deal effectively with population growth, environmental problems, international tensions, and terrorism.

But several obstacles stand in the way of the globalists' goals. Consequently, they have targeted three major institutions for elimination because their continued existence impedes their designs to unite the world under a single economic, political, and social global network.

The three institutions under attack by globalists today are: the traditional family, the Christian church, and the national government. Each institution espouses doctrines antithetical to the globalist vision. Therefore, globalists argue, these institutions must be substantially modified or replaced.

The traditional family poses a threat to globalism for two reasons. First, it is still the primary socializing unit in our society. Parents pass on social, cultural, and spiritual values to their children. Many of these values such as faith, hard work, and independence collide with the designs of globalists who envision a world in which tolerance for religion, dependence on a one-world global community, and international cooperation are the norm. These values are not taught in traditional American families, therefore globalists seek to change the family.

Second, parental authority in a traditional family clearly supersedes international authority. Children are taught to obey their parents in such families. Parents have authority over their children, not a national or international governmental entity. Globalists, therefore, see the traditional, American family as an enemy, not as a friend.

Well-known humanist and globalist Ashley Montagu speaking to a group of educators declared that, “The American family structure produces mentally ill children.” From his perspective, the traditional family which teaches such things as loyalty to God and loyalty to country is not producing children mentally fit for the global world of the twenty-first century.

One of the reasons globalist educators advocate childhood education begin at earlier and earlier ages is so that young children can be indoctrinated into globalism. The earlier they can communicate their themes to children, the more likely will be the globalists’ success in breaking the influence of the family.

But the traditional family is just one of the institutions globalists seek to change. We must now turn our attention to globalistic attacks on these other institutions.

Globalism Opposes Christianity and Nationalism

We have seen that globalists oppose the traditional family, but we must also be aware that they believe that the Christian church and a sense of national identity are contrary to their vision.

Globalists feel that the Christian church threatens their global program because of its belief in the authority of the Bible. Most other religious systems (as well as liberal Christianity) pose little threat. But Christians who believe

in God, in sin, in salvation through faith in Jesus Christ alone, stand in the way of the globalist vision for a one-world government and a one-world religion.

The coming world religion will merge all religions and faiths into one big spiritual amalgam. Hinduism and Buddhism are syncretistic religions and can easily be merged into this one-world religion. But orthodox Christianity cannot.

Jesus taught that “I am the way, and the truth, and the life; no one comes to the Father, but through Me” (John 14:6). Globalists, therefore, see Christianity as narrow, exclusive, and intolerant. Paul Brandwein even went so far as to say that, “Any child who believes in God is mentally ill.” Belief in a personal God to which we owe allegiance and obedience cannot remain if globalists are to achieve their ultimate vision.

National governments also threaten globalism. If the goal is to unite all peoples under one international banner, any nationalism or patriotism blocks the progress of that vision.

Globalist and architect Buckminster Fuller once said that, “Nationalism is the blood clot in the world’s circulatory system.”

Among nations, the United States stands as one of the greatest obstacles to globalism. The European community has already acquiesced to regional and international plans, and other emerging nations are willingly joining the international community. By contrast, the United States remains independent in its national fervor and general unwillingness to cooperate with international standards. Until recently, Americans rejected nearly everything international, be it an international system of measurements (metric system) or an international agency (such as the United Nations or the World Court).

The globalist solution is to promote global ideas in the

schools. Dr. Pierce of Harvard University speaking to educators in Denver, Colorado, said, “Every child in America who enters schools at the age of five is mentally ill, because he comes to school with allegiance toward our elected officials, toward our founding fathers, toward our institutions, toward the preservation of this form of government.” Their solution, therefore, is to purge these nationalistic beliefs from school children so they will come to embrace the goals of globalism.

All over the country programs on Global Education, Global History, and Global Citizenship are springing up. Children are being indoctrinated into a global way of thinking. Frequently these programs masquerade as drug awareness programs, civics programs, or environmental programs. But their goal is just the same to break down a child’s allegiance to family, church, and country, and to replace this allegiance with the globalists’ vision for a one-world government, a one-world economic system, and a one-world religion. These then are three institutions the globalists believe must be modified or destroyed if they are to achieve their globalist vision. Christians must, therefore, be diligent to defend their family, their church, and their country.

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National Child Care

National Child Care Debate

Imagine a country in which nearly all children between the ages of three and five attend preschool in sparkling classrooms, with teachers recruited and trained as child care

professionals. Imagine a country that conceives of child care as a program to welcome children into the larger community and awaken their potential for learning and growing.

So begins one of the chapters by Hillary Rodham Clinton in her book *It Takes a Village*. The discussion represents yet another attempt to erect a national system of child care. In the early 1970s, Senator Walter Mondale pushed the Child Advocacy Bill through Congress only to have it vetoed by President Nixon. Again in the late 1980s, Congress flirted with socialized day care when Senator Christopher Dodd proposed The Act for Better Child Care.

Fortunately, the bill went nowhere.

But has the time come again for a national discussion of day care? Hillary Clinton proposes that the United States adopt the French model of institutionalized day care: “More than 90 percent of French children between ages three and five attend free or inexpensive preschools called *écoles maternelles*. Even before they reach the age of three, many of them are in full-day programs.” The First Lady then goes on to present the French experience in glowing terms and provides additional examples to bolster her push for a national day care system.

Many social commentators believe our contemporary day care debate has dramatically shifted from whether the federal government should be involved to how the federal government should be involved. What was once in the domain of the family has shifted to the government due in large part to the increasing number of women in the work force. During the Carter Administration, a federal child care tax credit was enacted and the budget for this tax credit has mushroomed to billions of dollars annually.

The debate is changing as well because the child-rearing patterns in America are changing. Through most of our history, women traditionally assumed primary responsibility for rearing

children. Now as more and more mothers head off to work, nearly half of the nation's children under six years old are in day care facilities.

This dramatic shift from child-rearing within the family to social parenting in day care facilities is beginning to have frightening consequences. Stories of neglect, abuse, and abandonment are merely the tip of the iceberg of a multi-billion-dollar-a-year industry that is largely unregulated.

Sadly, this change in the way we raise children has been motivated more by convenience and selfishness than by thoughtful analysis of the implications. Psychologist Burton White, author of *The First Three Years of Life*, laments that "We haven't moved to day care because we were seeking a better way of raising children, but to meet the needs of the parent, mostly the mother. My concern is that this trend constitutes a disastrous effect on the child."

This essay looks at the important issues concerning the subject of day care. What are the implications of a nationally-subsidized day care system? How does day care affect early childhood development? What are the psychological costs? What are the social costs? What are the medical costs? These are just a few of the questions we will try to answer in these pages. Psalm 127 reminds us the children are "a gift of God." Before we develop national programs that may harm our children, we need to count the costs and make an informed decision.

Use and Misuse of Statistics

Hillary Rodham Clinton isn't the only national figure proposing a nationally-subsidized day care system for the United States. In his 1996 State of the Union address, President Bill Clinton also proposed a national day care system.

Before we discuss the potential impact of a national day care system, we must deal with the use and misuse of statistics. Proponents of national day care frequently say that the traditional family is dead and that two-thirds of mothers with preschool children are in the work force.

Let's set the record straight. Reporters and social commentators have frequently said that less than 10 percent of U.S. families are "traditional families" with a breadwinner husband and homemaker wife. The 10 percent figure actually comes from the U.S. Labor Department and only counts families with an employed father, a stay-at-home mother, and two children still at home. Using that criteria, my own family would not be a traditional family because we have three children, not two children, still at home. Dr. Jim Dobson's family would not be a traditional family because his two children no longer live at home. In fact, a mother who works out of her home would not qualify as a member of a traditional family. I think you can see the problem. The 10 percent figure is artificially restrictive.

What about the number of women in the work force? Again, we need to check the definition used to define working women. The Department of Labor figure counts mothers who work part time (as little as one hour per week) as well as women who have flexible hours. The figure also counts mothers who work seasonally. Furthermore, it counts mothers who work from their homes. Again, you can see that this number is artificially inflated.

According to the recent Census Bureau data, 54 percent of the 17 million children under the age of five are primarily cared for by a mother who stays at home. An additional seven percent represents "tag-team parents" who work different shifts and share child- rearing responsibilities. And another four percent have "doubletime mothers" who care for their child while they babysit other children or earn income in some other way. Thus, the primary child care arrangement for 65 percent

of all preschool children is care by one or both parents.

This isn’t exactly the figure you will hear during a national debate on day care. Instead of hearing that two-thirds of mothers with preschool children are in the work force, we should be hearing that two-thirds of all preschool children are cared for by one or both parents.

Actually the percentage should be even higher. Another 11 percent of preschool children are cared for by grandmothers or other relatives. This would mean that a full 76 percent of all preschool children are cared for by a parent or close relative. But don’t expect the mainstream media to use this figure when debating the so-called “crisis of child care.”

Perhaps that is the most important lesson of this debate. President Clinton and the First Lady, along with countless child care advocates, want to talk about the crisis of child care. Statistics that do not justify federal intrusion into the family are ignored. Before we start down the road to socialized day care, we need to consider whether the problem is as acute as portrayed.

Psychological Costs

At this point I would like to discuss the psychological costs of day care. Now that we have been effectively conducting an unofficial experiment with day care over the last few decades, the evidence is coming in disconcerting evidence of the psychological harm done by institutionalized care. Jay Belsky, a child care expert at Penn State’s College of Health and Human Development, says “It looked like kids who were exposed to 20 or more hours a week of nonparental care in their first year of life what I call early and extensive nonparental care, and here comes the critical phrase, of the kind that was routinely available to families in the United States today seemed to be at elevated risk. They were more likely to look insecure in their relationships to their mothers, in

particular at the end of their first year of life."

Unfortunately most parents are unaware of this growing research. So is the average citizen who will no doubt be convinced by "experts" that we need a nationally-subsidized system of institutional care. Marjorie Boyd, writing in *The Washington Monthly*, found that "Practically everyone is for day care, but practically all the evidence says it's bad for preschoolers in all but its most costly forms. Most people do not know that psychologists and psychiatrists have grave misgivings about the concept because of its potential effect on personality; nor do they know that the officials of countries that have had considerable experience with day care are now warning of its harmful effects on children."

The concerns can be categorized under three areas: bonding, personality development, and substitute care. Bonding takes place in the hours and days following birth, usually between the mother and the child. Bonding demands consistency, and day care interrupts that consistency especially when there is not one person providing the primary care for the child. Children placed in a day care center too early are deprived of a primary care giver and will manifest psychological problems.

Personality development is another concern. Most children will get off to a better start in life if they spend the majority of their waking hours during the first three years being cared for by their parents and other family members rather than in any form of substitute care.

A final concern is the negative effect of substitute care on a child. Jean Piaget has shown that children are not capable of reflective thinking at young ages. For example, they do not have a concept of object permanence. If you hide a ball, the infant will stop searching for it because it has ceased to exist in the child's mind. In the same way, when mom leaves the day care center, she has ceased to exist in the mind of the child. The mother may reflect on her child all day while

at work, but the child has erased her from his or her mind.

These then are just a few of the psychological concerns knowlegeable people have about institutionalized day care. Before we begin to fund national day care, we should stop long enough to discuss the impact such institutionalized care would have on our children and the nation.

Additional Psychological Costs

Another concern is what Dettrick Bonfenbrunner calls “social contagion.” Poorly supervised day care creates an atmosphere that socializes the children in a negative manner. For example, Bryna Siegel (psychologist at Stanford University) reported in her nine- year study that day care children were “15 times more aggressive… a tendency toward more physical and verbal attacks on other children.” By that she did not merely mean that the children were more assertive, but that they were more aggressive.

J. C. Schwartz and his colleagues have shown that children who entered day care before they were twelve months old are more physically and verbally abusive when they are older. They found this abuse was aimed at adults, and also found these children were less cooperative with grownups and less tolerant of frustration than children cared for by their mothers.

Christians should not be surprised by these findings given our biblical understanding of human sinfulness. Each child is born a sinner. When day care workers put a bunch of “little sinners” together in a room without adequate supervision, sin nature will most likely manifest itself in the environment.

Proponents of socialized day care begin with a flawed premise. They assume that human beings are basically good. These liberal, social experiments with day care begin with the tacit assumption that a child is a “noble savage” that needs to be nurtured and encouraged. Social thinkers ranging from Jean

Jacques Rousseau to Abraham Maslow begin with the assumption about human goodness and thus have little concern with the idea of children being reared in an institutional environment.

Christians on the other hand believe that the family is God's primary instrument for social instruction. Children must not only be nurtured but they must also be disciplined. Children are to be reared by parents in the context of the family, not in institutionalized day care.

Over the last three decades, America has been engaged in a social experiment with day care. As more and more children are put into institutionalized care, we are reaping the consequences.

Emotionally scarred children who have been "warehoused" in sub- standard facilities are more likely to drop out of school, be arrested, and end up on welfare rolls. The cost to society in terms of truancy, delinquency, and crime will be significant.

E. F. Ziglar (Yale University) has said that "When parents pick a day care center, they are essentially picking what their child will become." This is not only true for the individual child; it is true for society. As a nation we have been choosing the children we will have in the future by promoting day care, and the future does not look good.

Financial and Medical Costs

Finally, I would like to look at the financial and medical costs of day care. The financial costs can be significant. Many women who place their children into institutional care fail to estimate the additional (often hidden) costs of their choice. Quality day care is not cheap nor are many of the other costs associated with going to work.

Sara Levitan and Karen Cleary Alderman state in their book, *Child Care and the ABCs Too* that "The cost of preschooler's

day care services added to work expenses can easily absorb the total earnings of some women working part time." They continue,

> *Disregarding the cost of transportation and other work-connected expenses or the imputed cost of performing household tasks in addition to work (overtime duty), it is apparent that the daily salary of at least half of working women did not provide the cost of a single child's day care meeting federal standards.*

By contrast, the value of a mother is vastly underestimated. Financial analyst Sylvia Porter states that the twenty-five million full-time homemakers contribute billions to the economy each year, even though their labor is not counted in the gross national product. She calculates that the average mother contributes nearly $30,000 a year in labor and services. She arrived at this figure by calculating an hourly fee for such functions as: nurse-maid, housekeeper, cook, dishwasher, laundress, food buyer, chauffeur, gardener, maintenance person, seamstress, dietician, and practical nurse.

Health costs are also considerable. Young children are still in the process of developing their immunity to certain diseases, and are more likely to get sick when exposed to other children on a daily basis. While some ailments are slight, others can be very serious. For example, infectious diseases (especially those involving the middle ear and hearing ability) are three to four times as prevalent in group care as compared to home care.

Dr. Ron Haskins and Dr. Jonathan Kotch have identified day care attendance as the most significant factor associated with the increased incidence of bacterial meningitis. Likewise, cytomegalovirus (the leading cause of congenital infections in newborns) has also been linked to day care centers. These and

other correlations should not be surprising given the intimate contact with so many unrelated children in an environment of playing, sleeping, eating, and using toilet facilities.

As we have seen in this discussion, the costs of day care are high. As Christians we must begin with the biblical foundation found in Psalm 127 that children are “a gift of God.” God has entrusted us with our children for a period of time. We cannot and should not shirk our responsibility or pass that responsibility on to others.

At the moment, this nation seems poised to implement a comprehensive, national program of day care. Before we develop national programs that may harm our children, we need to count the costs and make an informed decision.

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