

# FIGHTING CHANCE

*John 8: 31-32*

*Proverbs 22: 3*

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## AUCTIONING AMERICA

This past month we participated as high-tech scavengers in an auction which provides a typical example of the erosion of American industry and the squandering of the accomplishments of previous generations.

America's largest magnesium plant and its primary source of high-purity pharmaceutical-grade magnesium ceased operation near San Francisco this past February. Although it was still profitable – regardless of the massive burdens of government taxation and regulation – a series of events typical of the destruction of American productivity by unproductive paper-shufflers led to the closing of the plant.

In April, part of the plant equipment was auctioned prior to demolition of the remainder. Many of the men who built and maintained this plant were present to watch the final end of their life's work. The plant included a research and development laboratory and a quality control laboratory, so we attended the auction in the hope of obtaining laboratory equipment that the Oregon Institute of Science and Medicine cannot otherwise afford.

The laboratories were auctioned first. We purchased significant amounts of research equipment at an average price of about 3% of the catalogue prices (3 cents on the dollar). This will markedly enhance our research capabilities. Then I watched the rest of the auction - which was heart-rending. Most of the plant sold for a low fraction of its scrap metal value. Three-phase motors were sold for \$1.50 each, a large ship lathe sold for \$50, and a recently purchased \$500,000 machine sold for \$5,000. The large steel installations did not even sell. They will be given to the demolition crews.

Replacement value of this plant was estimated at about \$50 million, but it will not be replaced. The capital to replace it was squandered long ago in Washington, DC. This magnesium capacity is now being made up by imports from foreign countries. In thousands of such events all across our country the industrial legacy of past generations of Americans is being demolished.

The federal government and ruling establishment has taxed, regulated, and otherwise debilitated American industry to such an extent that the real earning power of our people declines each year. This debilitation has more than canceled the beneficial effects of advances in science and engineering that should be improving the quality of our lives.

Most Americans are unaware of the actual economic statistics. Inflation has helped conceal the fact that the real purchasing power of the average American family peaked in about 1972 and has been declining ever since. Whereas one wage earner used to provide for the financial needs of a family, now two or more must work to maintain a similar standard of living. Many fall behind. Increasing numbers of Americans have given up; 10% now even receive food stamps.

The so-called feminist movement propagandizes that the two wage-earner family is really a great step forward for women who are no longer "trapped" as home-makers. This may look good in the glossy magazines, but to a great many working wives it just means hard work outside the home in an effort to meet family bills while their children are raised by babysitters and public schools. Never before in America have women been so terribly exploited. They are now the slaves of the welfare state which is destroying their living standards and their families as it satisfies its need for increasing numbers of laborers to make up for government-caused destruction of American productivity.

Some Americans still find or create excellent opportunities. The taxation of their earnings keeps the socialist machine churning in Washington, DC. We now have socialism in education and socialism in charity. Soon we are going to have total socialism in medicine. This will cause many Americans to die prematurely and suffer unnecessarily.

Thousands of books are being written about the causes of America's decline and of its acceptance of the socialist ideas that have failed in the rest of the world. One of the best that I have seen recently is *America: To Pray or not to Pray* by David Barton available from Wall-Builder Press, PO Box 397, Aledo, TX 76008, telephone (817) 441-6044. This is a compilation of the sharp decreases in American academic and social conditions that followed the elimination of prayer from American public affairs.

Blame is also placed on politicians, bureaucrats, homosexuals, fascists, communists, and other evils. I believe that the worst evil is the reduced value placed on human life.

American society increasingly refuses to obey God's laws concerning the sanctity of human life especially in the case of abortion. Millions of children are being murdered by abortion. The primary responsibility for these abortions does not lie with the abortion clinics, the abortionists themselves, or the corrupt individuals within our government and society which sanction and support these murders. The primary responsibility lies with the millions of Christians who actively support and attend America's churches.

There are only a few thousand abortionists. There are tens of millions of church-going Christians. Only a very few of those Christians are actively opposing abortion. As a result, those who are opposing it are suffering needlessly and, so far, have failed to stop it. Abortion can never be stopped entirely. There will always be clandestine abortions regardless of the

laws and penalties which society may impose. The problem lies in our acquiescence. Christian acquiescence to abortion has raised the numbers of these murders in the United States to very high levels. Worse, it has told our God that we tacitly approve of these abominable acts.

The abortionists are just doing their job - they are consumed by evil. The Christians are not doing their job - they are required to oppose evil, especially this particular evil. If most Christian churches in America began active opposition to the murder of children and enlisted the participation of most of their members, legal abortion would end immediately. There are too many Christians in America for the the outcome to be otherwise. Until this happens, the slaughter of children will continue. While that slaughter continues, we have no right to expect relief from our lesser national problems.

Moreover, euthanasia - the killing of adults - is rapidly being added to our society. This is beginning with occasional killings supposedly approved by the victims themselves. These people allegedly decide that that their lives are not personally valuable enough to continue. Euthanasia will expand until it includes the killing of adults whom the government and its surrogates do not find socially useful. The first indications of this are in the medical care rationing program that the Clinton's have proposed as "national health care."

How long do American Christians have to wake up? How many millions of children must be brutally murdered with our tacit approval before God turns his back on us forever? We do not know. There are still indications that the process of national decay can be reversed.

In the growing home school movement, in the freedom that is becoming possible through computer technology, in the remarkable possibilities of science and engineering, and in many other areas of positive progress, God is telling us that He is still listening. He is giving us small tastes of the wonderful things that can come to our nation and our families if we recapture our Christian purpose. There is, however, no chance that He will allow these possibilities to come to fruition while we continue to kill His children. In each of our burgeoning accomplishments are sown the seeds of our destruction. If we continue to allow the killing of America's children, those seeds will grow and our country will die.

In its place, a society of slavery in which formerly free Americans are enslaved to government and corporate paper-shufflers is being built. This is an evil society which devalues human life and ignores God's laws. It is not a society fit for a Christian people. It must be stopped.

One of the most beautiful passages in the Bible is *I Corinthians 13* on the definition and importance of "charity." Christians are supposed to behave at least charitably toward people of all sorts, even those who are involved in many evils. Charity, however, is not the same thing as tolerating evil. Millions of American children continue to be murdered by abortion. This is an abomination of the worst sort. It is unreasonable for us to expect that God will respond to our prayers for help against the many evils that are destroying our nation as long as we tolerate the brutal killing of His people - especially innocent children.

The blame for this killing lies with American Christian churches. The abortionists are just doing their job. Why are our churches not doing theirs?

tinuously, those who happen to be lucky in timing make large profits. They think of themselves as clever investors.

Timing is very important. Who would loan money to a highly disreputable group of people who never balance their budget, have enormous debts that they will never pay, and make great numbers of promises which they continually break? One can reliably conclude that such a group will eventually be bankrupt, and their creditors will lose. This is a highly probable trend. Such a group of people is the United States government which borrows money through government securities like treasury bills and bonds. Nevertheless, during the 1980s treasury bills and bonds were highly profitable. They will eventually be worthless, but the timing of their demise is very difficult to predict.

In the larger areas of human affairs - including areas that relate to the activities of Fighting Chance and the Oregon Institute of Science and Medicine - trends and future events are moderately predictable, while timing of those events is uncertain.

Socialism will fail in the United States as it has elsewhere, but when? Socialized education is already a failure, but the public schools may be with us for a long time. Legislation to force home schools to follow public school policies recently failed, but it will be tried again. Socialized medicine will fail, but politicians from both political parties are busily agreeing to a plan that will force socialized medicine upon all Americans whether they want it or not. Many people will die unnecessarily before this program is eventually abandoned.

Irresponsible militarism and foreign meddling will again bring war to our country. In the nuclear age, that war will probably be fought on American soil. This could occur soon or it could be postponed for many decades. The timing is unknown to us. Foreign meddling will probably also bring nuclear terrorism to our country. This is more probable and could occur much sooner than nuclear war.

Each time American warplanes attack a country there is a high probability that the people whose relatives and friends are injured or killed in that attack will have increased hatred of Americans. Often large numbers of innocent civilians are killed. Their fathers, mothers, sons, and daughters remember those who killed their loved ones. There are already very large numbers of people around the world who hate Americans as a result of American meddling in the affairs of their countries. The numbers are increasing. These people are not fooled by the subterfuge of hiding behind the United Nations. They know whose warplanes, warships, or warlike economic or political policies have caused their suffering. This is a trend. It seems very unlikely that the American government will stop this meddling.

There is another related trend. This is the technological trend that is steadily increasing the amount of destructive power that one or a few individual people can possess and deliver. This trend cannot be stopped. It is, in fact, accelerating.

There has been much discussion about the tens of thousand Soviet nuclear weapons that are poorly secured and are now beginning to leak into the hands of small countries and possibly into the hands of terrorists. Many people have the impression that stoppage of this leakage would solve the problem of mass terrorism. It will not.

Biological weapons that can kill the inhabitants of entire cities are now available or buildable at remarkably low cost. Fuel-air explosives that can level several city-blocks are compact and easily deliverable. This simple technology is surely spreading. Moreover, nuclear technology itself can be miniaturized. Some knowledgeable scientists think that this has already been done and is beginning to proliferate.

In a series of recent articles including a major article in *National Review*, Sam Cohen, inventor of the neutron bomb, has given his opinion that miniature hydrogen bombs have already been built. One of these bombs containing about one-tenth of an ounce of easily obtained nuclear fuel could kill everyone within a several block radius. In many of our cities this could be over 100,000 people. The entire bomb might fit into an ordinary lunch bag and be virtually undetectable.

On a larger scale, much is being made of the proliferation of missiles that could carry nuclear warheads. Do the North Koreans have such missile-warhead combinations? This question is much in the news. Scenarios involving their attack of South Korea or Japan with such weapons are being discussed. More realistic in my view, however, would be a discussion of the potential use of nuclear weapons by Korea or other small countries upon the United States itself.

The first products of a third-world nuclear weapons program are likely to be large, heavy and relatively primitive. Moreover, they will be few in number. Even the enormous initial American nuclear weapons program only produced a few crude weapons. Why would such a country risk one of its first nuclear weapons in a primitive missile delivery system for an attack on a nearby American surrogate? It would be much more sensible for them to simply put the weapon on a boat and float it into New York harbor. This would be a very reliable procedure and would be undetectable. The deaths and damage could not be prevented, but they could be markedly reduced and mitigated by a good civil defense system.

Moreover, the fear generated by first use of a nuclear weapon on the United States itself and the greater likelihood of uncertainty about its origin might forestall retaliation. Use of a nuclear weapon on a U. S. surrogate might not.

The American government, of course, shows no interest in building civil defenses for Americans. This government just continues to swagger around the world making greater numbers of enemies for America, while continuing to leave Americans defenseless before the increasing threat of retaliation by those whom its policies offend and injure.

This trend of behavior is unlikely to change. It is for these reasons that I feel sure that weapons of mass destruction and mass killing will eventually be used upon the American people in at least individual occurrences. The same trends also increase the probability of this use in a major war. The time of these events is, however, not within our ability to predict.

Most of us cannot reliably predict the time of our own death. Trends in medical research, aging research, and degenerative disease suggest, however, that our deaths will not be indefinitely postponed. There is a high probability that each of us will die while we still have essential responsibilities for our families or others. We therefore buy life insurance.

Political and technological trends are also raising the probability that our families will need protection against weapons of mass killing. For this reason, each of us should buy civil defense insurance.

The cycles and trends in our world are largely determined by human behavior. Much of this involves some of the least desirable aspects of human nature - greed, fear, envy, hatred, and the lust for power. There are many information salesmen in our society who purport to be able to predict the future. They offer us their "expert" opinions of the timing of these cycles and trends. Each time that an alarming prediction is made, some people are motivated to take protective action. In this way, alarming predictions are of real value.

It is very important that these protective actions mitigate the danger from the actual threat rather than mitigating only the fear from that threat. Family civil defense preparations should provide for 1. water; 2. shelter; 3. food; 4. medical supplies; 5. tools; 6. instrumentation; 7. books and other information; 8. communications; 9. firearms; and 10. purchasing insurance such as gold and silver coins - generally in this order of importance. Firearms have a relatively low priority, because the other items in the list are more likely to be needed in a real civil defense emergency. Similarly, in a real emergency, essential survival items will be priceless and almost impossible to buy, so purchasing insurance is less likely to be needed.

This is not to say that guns and gold are unimportant. Many people have survived terrible world calamities, because they possessed a little gold with which to purchase escape or protection. We are all too familiar with localized incidents that occur frequently in the United States in which survival depends upon firearms and firearms training. Oddly, however, when people mitigate their fear, they often make preparations in the opposite order to that suggested above and often spend their survival funds in very cost-ineffective ways. They also tend to equate cost with value. They believe that those preparations which cost the most are the most protective. The most costly preparations are also those with the greatest profit margin for experts who predict immediate disaster.

I recall, for example, the predictions of the late 1970s. The end of Western civilization was "at hand." Great profits were to be realized by betting on its demise - especially with gold. Very serious problems did arise, so gold turned out to be an excellent investment providing it was sold before these difficulties subsided. The mind set of those who had invested heavily in gold was interesting to watch during the crisis. From \$200 to \$400 per ounce they were pleased as their investment increased in value. At \$600 per ounce, however, they began to pay more attention to the crisis itself. As gold moved toward \$800 per ounce, they were panicked and had lost interest in gold. They were afraid that the worst predictions they had made were actually coming true, and most of them had made no real preparations. Moreover, they no longer were able to count their profits in gold. Since the dollar looked nearly dead and all other inflation hedges had skyrocketed in value, too, there was no certain way to take profits in gold. In effect, they had decided that, *during* the worst crisis they could imagine, they preferred to own gold rather than food, water, a safe location and shelter and other necessities of life.

I remember visiting in the home of a very wealthy banker during this crisis. He and his wife were panicked. His wife still did not understand. She was worried, because they had not purchased sufficient diamonds. Gold, in terms of their wealth, was not valuable enough to be

portable. Where most people of average wealth view gold as portable and silver as bulky in terms of ease of transport, this family had so much wealth that no significant part of it could be easily transported as gold. Diamonds were to them as gold is to most families.

Her husband the banker had, however, belatedly understood. While his wife talked that evening about their lack of sufficient diamonds, he bemoaned the fact that he had not purchased a small farm in the country which could help protect his family from the looming potential for urban disaster.

Even where priorities are correct, resources are often wasted. We have repeatedly described storage food procedures which will provide for an active adult for one year at a cost of about \$150. Still people waste their resources on food storage programs with less nutrition, shorter shelf life, and a cost ten times greater. Don't do it! Store food for ten people for the price of one. Then you won't need fantasies about the protection of your food supplies from the neighbors. You are going to voluntarily feed them anyway. Why not prepare for it? Each time a news report stimulates you to improve your civil defense preparations, take action. The threatened disaster probably won't reach you, but it can help you to make preparations you may need later. Just be sure that each purchase is as cost effective as possible and in a good order of priority.

The trend may not be our "friend" as the saying goes and the cycles may scare us badly. The difference between a man of courage and a coward is not their fear. Both are afraid. The difference is that the courageous man uses his fear productively as a stimulus to effective action against the perceived threat.

## **EMERGENCY RADIO COMMUNICATIONS**

Proper radio communications can not only be of great help during an emergency, they can also help prevent emergencies. It is, of course, of value to have ordinary radio receivers as a part of emergency supplies. An ordinary radio enables you to listen to official emergency messages transmitted over the ordinary AM and FM frequencies. Better is a radio receiver with short wave capability that will enable you to listen to official broadcasts from other countries, too. It is best to have at least two such radios.

Since EMP may destroy a radio receiver that is in use and hooked to its antenna at the time of the EMP pulse, each radio should be disconnected from the outside antenna when not in use. An ideal arrangement is for the radios to be stored in a Faraday cage inside the shelter. This is a completely surrounding metal box. If your shelter is metal and the doors are closed, you already have this protection. The antenna should be outside the shelter with a lead into the shelter. This antenna must be grounded when not in use to avoid bringing EMP inside the shelter. The antenna is disconnected from ground and attached to the radio when in use. If EMP destroys the radio circuits during this time, there is still the spare radio.

Additionally, it is very desirable to have two-way radios for personal communication. Citizen band, CB, radios of the sort common in automobiles today provide some capability, but amateur band radios are far superior. Quality of communication and range for amateur band

radios are in an entirely different class from CB radios. Moreover, amateur radio puts you in communication with the enormous world-wide grid of amateur radio operators, many of whom are equipped and trained for emergency communications. The only limitation is that you obey the rules of communication including, among other things, a complete ban on the use of amateur radios for business purposes. Even in a generalized nuclear war, communications throughout the world would still be very extensive on the amateur radio frequencies.

Different wavelengths are suitable for different distances of communication. Short wavelengths, especially 2-meters, are particularly useful for local communications. Since 2-meter communications are interrupted by hills and mountains, amateur operators have installed repeaters on high ground over much of the United States. These extend the range of 2-meter hand-held radios beyond the usual 20-30 miles.

A significant barrier to amateur radio operation once existed, because all levels of licensing required at least some ability to translate Morse code. Five words per minute were required for a minimal license and 13 words per minute were required for the more desirable licenses. Operation without a license subjects the user to confiscation of his radio and other penalties. In recent years, however, a new class of "no code" license has become available. Two-meter operation (and operation on other wavelengths with various sorts of equipment) is allowed to a person having a no-code Technician Class license. In order to obtain this license, one must pass the written Novice and Technician tests. This is no more difficult than passing a typical written examination to drive an automobile. Examinations are administered by groups of amateur operators and are available in most localities on a regular basis.

Radio Shack sells an \$8 book with about 500 questions which comprise the complete question sets for these two tests. The actual tests you take will have a selection of about 50 questions identical to those in the Radio Shack book. Care must be taken to have a recent version of the book, since the questions are occasionally updated. All questions are multiple choice. If you memorize the answers in the book, you will be able to pass the tests. The children here had little difficulty when they took these tests recently. In fact, a guest who was visiting us at the time studied the book during just one day before the tests and passed easily. Most people will prefer to study the book daily for a couple of weeks before the examinations.

We have had 2-meter radio communications for our family for the last 12 years. Even before we had licenses, the radios were available for emergencies. We live in a rural location with many pitfalls in the fields and woods (including a cute collection of very dangerous cougars for which we can thank city-living enviros who like to pass protective legislation regardless of the children on whom these animals occasionally dine). With these radios the children can be in instant communication with me and with each other.

This year we are extending this protection. Our oldest boy, Zachary, will probably be away from home for part of the year at Oregon State University which is about 170 miles north and over some mountains from our farm. A local amateur has offered to help us install a repeater on one of the nearby hills. With it and a radio in his shirt pocket, Zachary will have instant 24-hour communication with his brothers and sisters and me regardless of our locations.

This is not just an emergency precaution. We believe that the current American lifestyle in which families are torn apart as the children grow older and leave home is very undesirable.

Family members should work and live together throughout their lives. Modern transportation and industry has imposed a significant burden upon the extended family, but modern communications can help. Instant 24-hour communication between all members of a family, even when they are only across a field or across a town, has many advantages.

As emergency communications in a civil defense emergency these radios are ideal. If they are in routine use by the family, there will also be no learning curve when they are needed. Remember also that this sort of communication is entirely self-sufficient. Two-meter hand-held radios are battery powered and rechargeable from a small solar panel and battery system or from virtually any other emergency electrical system. They do not depend on anyone else. During a serious emergency, cellular telephone systems and other communications that are not self-sufficient are unlikely to be reliable if they are working at all.

For many years we have recognized the importance of tying our family together in case of accident or generalized emergency. We have done this by 2-meter radio. Now, with the new no-code license, young children can easily be included in this protection, and it can be extended to become a valuable addition to everyday life.

If anyone in the family wishes to pass a code test, study tapes are also available from Radio Shack. A Novice Class, and especially a General Class license opens up world-wide two-way amateur communications which adds another element of emergency preparedness. This is also a great hobby. One caution - if you decide to learn the code, buy and follow one of the professional code courses or enroll in a professional class. It is important to learn code correctly. This is one area in which a special kind of look-say (actually hear-write) is quite valuable. Code is arbitrary, but phonetic crutches just produce mental blocks which interfere with speed.

When I was a boy, I was a Boy Scout before I became an amateur radio operator. In the Boy Scouts I learned Morse code with the aid of mnemonics in the Boy Scout handbook. The letter "B", for example, was a "Bat and three balls" or dash-dot-dot-dot and the letter "C" was a "Camel and a man and a camel and a man" or dash-dot-dash-dot. This sort of crutch was a help in getting the related Boy Scout merit badge, but it was a debility in amateur radio. My mind could not escape the mnemonic drill which became a subconscious exercise. As a result, my code speed was reduced. It is also important to send the characters quickly with spaces between the letters in accordance with overall speed. If the characters themselves are drawn out, ultimate speed will be reduced. These sorts of pitfalls, which are difficult to unlearn later, can be avoided by professional instruction.

Hand-held 2-meter radios cost about \$300 each. Higher-power models for the car and home are a little more. There are many brands and trade publications. A good place to start is with a subscription to *CQ Magazine* which has been published as an amateur radio journal since 1945. Their address is CQ Communications, Inc., 76 North Broadway, Hicksville, NY 11801-2953. Telephone (516) 681-2922. Also, the survival magazine *Self-Reliant Living* is written and published by Karl Krupp, an experienced amateur radio operator. This magazine has occasional articles on this subject along with a wide range of additionally useful information. Their address is Self-Reliant Living, Box 910, Merlin, OR 97532. Telephone (503) 476-4721.

## FIREARMS TRAINING

We rarely mention firearms in this newsletter. First, Americans are armed to the teeth anyway, so most people do not require our advice. Second, although civilian firearms are still a major essential ingredient of American freedom, they are not an especially important component of civil defense. In any case, I have seen many shelters without water supplies or food supplies or without essential ventilation. I have, however, rarely seen one without firearms.

Nevertheless, where firearms are owned, there is no substitute for the very best instruction in their use. There is one American whose abilities as an instructor in the defensive use of small arms exceeds all of his peers - Jeff Cooper. Most people have not had the good fortune to attend one of his courses, but every firearm owner should have this as a goal. There are now two schools of instruction in which Jeff Cooper's method of instruction is available. They are Gunsite Training Center, P.O. Box 700, Paulden, AZ 86334, telephone (602) 636-4565 and Thunder Ranch, HCR 1, Box 53, Mt. Home, TX 78058, telephone (210) 640-3138.

## FIGHTING CHANCE PROJECT

The substantial projects of Fighting Chance have simply outrun our resources. Increasingly our civil defense information work, the carbon dioxide research, the curriculum project, and our other activities use more time and resources than we have. Therefore we are rationing our time. We do our work first and our writing second. Our new responsibilities for *Access to Energy* demand some monthly writing. Income from *Access to Energy* is providing additional resources for our other projects.

Although we spend a great amount of time helping families learn to provide civil defense protection for themselves, we do not need many new written materials. With scarce time and resources, there is little need to repeat. There are now 38 back issues of this newsletter covering nearly every aspect of civil defense. When people call to subscribe, we advise them to buy the back issues instead and to send a donation to further this work if they wish. We are limiting the publication of new issues to new information and to reports of progress on our projects.

Our activities in Washington, which were the most extensive in America in promotion of civil defense, are now in a period of pause. Although we shall never stop working for a national civil defense system and our previous efforts such as the mobile shelter displays have continuing value, there is not any chance whatever of substantial progress on this issue in Washington as long as Clinton is in office. National civil defense is so important that it should be vigorously pursued even when the odds of success are small. Right now, however, the odds are nonexistent. Our resources are better spent helping Americans to help themselves, so this is what we are doing - primarily through personal help by mail and telephone and by distribution and improvement of our educational materials.

Even the words "civil defense" are no longer politically correct under the Clinton Administration. Bureaucrats who use these words in a serious manner will find their careers shortened abruptly. The situation is so bad that the left-wing press has even run some mildly objective

articles about past civil defense programs. They anticipate no danger that these programs might reassert themselves in the present political climate.

We have decided that, for the time being, those resources we do have for civil defense work should be used primarily to make civil defense information more easily available. This also benefits national civil defense. While a complete set of our video tapes, books, and newsletters provides an invaluable library of civil defense training, that set is costly. This information needs to be more easily available.

This month, Arnold Jagt's electronic edition of *Nuclear War Survival Skills* has been placed on the Internet computer network. Henceforth that book will be available world-wide without cost to the tens of millions of Internet users. They will also have complete indexing through computer look-up procedures. With his help, we hope to make the entirety of the the Fighting Chance newsletter and tape recording files similarly available both on the Internet and on CD-ROM discs for home computers. 30% of American homes now have personal computers. While not all have CD-ROMS, a CD-ROM drive and a civil defense disk together will be less costly and more useful than purchase of printed and taped materials.

The work to translate these materials to electronic media requires time and resources. We hope that you will continue to support Fighting Chance in its efforts to get these projects completed. While not as exciting as picketing the Pentagon or authoring Senate legislation and organizing political activities, for the time being this is the sort of activity in which we can make the greatest contribution. We will resume the other activities at a later time.

## **NUCLEAR WAR SURVIVAL SKILLS**

Arnold Jagt has finished the electronic edition of *Nuclear War Survival Skills*, so this book is available on the Internet computer grid. The tens of millions of computers that are connected to this grid world-wide may now find the book through information search and read and print all of its text and figures. The book is also searchable by word for any topic. This provides an electronic index. This non-profit, royalty-free electronic edition increases by a thousand-fold the number of people with immediate access to the self-help information in *Nuclear War Survival Skills*.

This project has also been useful in teaching us some of the computer skills that are necessary to completion of the curriculum project and also to the electronic distribution of other information that is available from Fighting Chance. At present, printed distribution is still desired by most people. This is changing.

Within a few years, computer screens will be available that have optical resolutions as high as ordinary books. These screens will be available in hand-held models that look and feel like ordinary books. The difference will be that their electronic pages will hold the text from a computer file.

Already available for the personal computer are tape units capable of recording 10,000 books on a single \$20 tape. Expensive today, these units will drop in price to \$100-200 in the

near future. Projects for computer entry of hundreds of thousands of library books are already under way. Therefore, it is reasonable to expect that within a few years it will become possible for a family to purchase a one million book library for home use at a cost of about \$1,000. This price will gradually decrease. That one million book library will occupy less space than one ordinary book. These products are near to production.

Along with these libraries will be available electronic editions of the best texts and teachers in the world's universities, so even subjects like engineering and science will no longer require residence at a university in order to obtain a top quality education. Home schooling through college and even through advanced degrees will become not only possible, but superior to the current campus-based educational system.

Remember, however, that the availability of wonderful technology does not insure its beneficial use. Television is a wonderful technology, too, but it has decayed into a perniciously negative social phenomenon. The difference with computer technology is its individualization. No large networks or other central controlling entities are necessary. If Christians adopt and productively use this technology, then their home schools will expand, overwhelm, and replace the entire corrupted academic structure in the United States.

The government is, of course, panicked by this possibility. Vice President Al Gore's "information highway" is no more than a belated government effort to get control of an information highway that already exists and is growing rapidly. The recent home school protection vote in Congress shows, however, that the home school movement has already grown so strong that efforts to block it politically are likely to fail.

Anyone who would like to receive a copy of the electronic edition of *Nuclear War Survival Skills* on a set of four 1.44 megabyte floppy disks may do so by sending \$19.95 to Fighting Chance at PO Box 1279, Cave Junction, OR 97523. \$15 of this payment will be used to repay some of the costs that Mr. Jagt incurred in creating this edition, so that he can continue this volunteer work on civil defense materials and on the curriculum project.

## **CARBON DIOXIDE AND DEGENERATIVE DISEASE**

The mouse project with varying levels of carbon dioxide has been proceeding quite well. It is primarily an aging experiment. Since these mice live about two years, it will be another year before the first work is completed. We have been surprised and pleased by the reliability with which our laboratory automation is functioning and by the good biological health of the mouse colony.

There is quite a lot of computerized laboratory automation involved in keeping these carbon dioxide chambers at the proper atmospheric conditions, monitoring the chambers to make sure they are performing properly, and backing up the technology in case components fail during the two year course of an experiment. All of this technology has been performing so reliably that the work has become very routine. The most important parts of this equipment are two carbon dioxide analyzers built by LI-COR Corporation. These have performed with remarkably high reliability.

Zachary takes care of feeding and watering the animals each day and, with his brother Noah, cleans the cages periodically, makes needed measurements, and maintains the instrumentation. The mice are being housed in special mouse cages that we designed and built for our nutrition and cancer work a decade ago. These cages allow the mice to live much more normal lives than is possible in ordinary cages. Except for occasional measurement, the mice do not need to be handled or otherwise disturbed. The cages are proving their worth in these experiments. The animals are in excellent health.

## OPTIMUM NUTRITION

We have published all of the information one needs to know in preparing an inexpensive food storage supply. The cost is about \$150 for a supply of soybeans, corn, wheat, and salt sufficient to feed one adult for over one year. We recommend 10 lbs. soybeans, 20 lbs. wheat, 20 lbs. corn, and 1 lb. salt per person per month. We also suggest storage of about 15 grams of vitamin C per person per month. This recommendation by the Oregon Institute of Science and Medicine has been adopted officially by the Federal Emergency Management Agency.

In addition, a good multivitamin supplement is usually a good idea even for ordinary use. Which multivitamin is best? I have never arrived at a satisfactory answer to this question, even though I have spent much of my life in various aspects of vitamin and nutrition research. Until now our family has sometimes taken various mixtures that we adopted from research work. Among commercial products, I have usually recommended the *Insurance Formula* developed by Roger Williams. It is available from Bronson Pharmaceuticals in La Canada, California. They call it the *Fortified Vitamin and Mineral Insurance Formula* product number 92.

Recently, as a result of another professional tragedy of the sort that has become all too common in American science, I became aware of another formulation that may be the best available. It is the *Cardirite Multiple Nutrient Supplement* available from Carlson Labs, 15 College, Arlington Heights, IL 60004, telephone (800) 323-4141. Developed by Dr. Matthias Rath and described in his book *Eradicating Heart Disease* (published by Health Now, 387 Ivy Street, San Francisco, CA 94102), this formulation is Dr. Rath's best estimate based upon published cardiology research and his own hypothesis about the development of degenerative disease. Based upon my current knowledge, I strongly recommend this formulation for ordinary use and long-term storage. Carlson offers substantial discounts to physicians. For large quantities, one might be able to negotiate a further discount.

Many of you know about the professional difficulties that Laurelee and I had with Linus Pauling. I published research papers on numerous subjects with Linus over a period of 15 years. He and Laurelee and I and some of our coworkers founded the Institute that eventually became the Linus Pauling Institute where I was President and Research Director. Unfortunately, this collaboration eventually ended in a bitter controversy involving experimental work that we had done on cancer and vitamin C which gave results contrary to Linus's hopes.

These experiences made me especially attentive to the plight of Dr. Rath who was appointed Director of Cardiology at the Linus Pauling Institute in 1990 as a result of some

outstanding work that he had done on nutrition and heart disease. He, too, has now apparently experienced Pauling's darker side and is embroiled in litigation and a professional battle with the Pauling Institute. The losers, of course, are the American people who might otherwise be benefiting from Dr. Rath's unobstructed work - just as they were the losers in our own earlier difficulties.

Dr. Rath is, however, managing to continue his work. In reading his book recently, I was delighted to find that his approach was sensible and has much to recommend it. Many people have said, as part of their general advocacy of nutritional supplementation, that vitamins may aid in prevention or reversal of heart disease. Dr. Rath's contribution is unique in that he has developed a very sensible hypothesis which underlies his recommendations and a vitamin supplement based upon that hypothesis and numerous confirming experiments.

Heart attacks and strokes threaten us all. I strongly recommend Dr. Rath's book and his multivitamin recommendation. His multivitamin is at least as good as other formulations. If he turns out to be right about heart disease, it is far better!

### **HOME SCHOOL CURRICULUM PROJECT**

There is now a realistic prospect that we will publish the first version of a comprehensive home school literature curriculum by the end of 1994. We are making good progress with this project and believe that the final product of this work will prove quite valuable.

In order to be generally useful, this curriculum must offer a significant number of books in all age ranges. This is especially true of the younger ages, since home schooling is growing rapidly and includes a majority of families with younger children. We also must have a good number of lesson examinations. These are time-consuming to produce. In the initial version, we will have more books than examinations.

The greatest technical challenge is in providing the books, so that each family will have available all of the texts regardless of outside resources. We expect to make these available at cost as printed copies, but printed copies may make the curriculum too expensive for many families. Many of the books we are using will be difficult for the average family to locate elsewhere.

Therefore, a major part of our work is in translating the books to computer versions that can be distributed to home computers. In these versions, which can be sold very inexpensively, the families will be able to print their own copies of any texts which they lack by means of their own computers or those of friends. Computer versions will make dissemination of the curriculum to friends and relatives much easier, too.

Conversion of texts to computers is a large industry now, but the costs of computer conversion are beyond the resources available to our project. Therefore, we are making these conversions ourselves. This is a time consuming process and is the primary reason that this curriculum will not be available sooner.

We are proceeding as fast as our resources permit. Your donations for this project, sales of the initial draft curriculum, and earnings from our publication of *Access to Energy* are making this project possible. This is not easy but our confidence is growing that we shall be able to complete it. The final result will, I believe, be well worth waiting for. Please help us by continuing your donations for this project.

Shown below is an illustration from the literature curriculum's copy of *Pilgrim's Progress* in which Help pulls Christian from the Slough of Despond, and Pliable scurries away in the background. This is the sort of book with which our founding fathers were self-educated. Perhaps it can help our children to recover some of that earlier wisdom.



HELP PULLS CHRISTIAN FROM THE SLOUGH OF DESPOND.