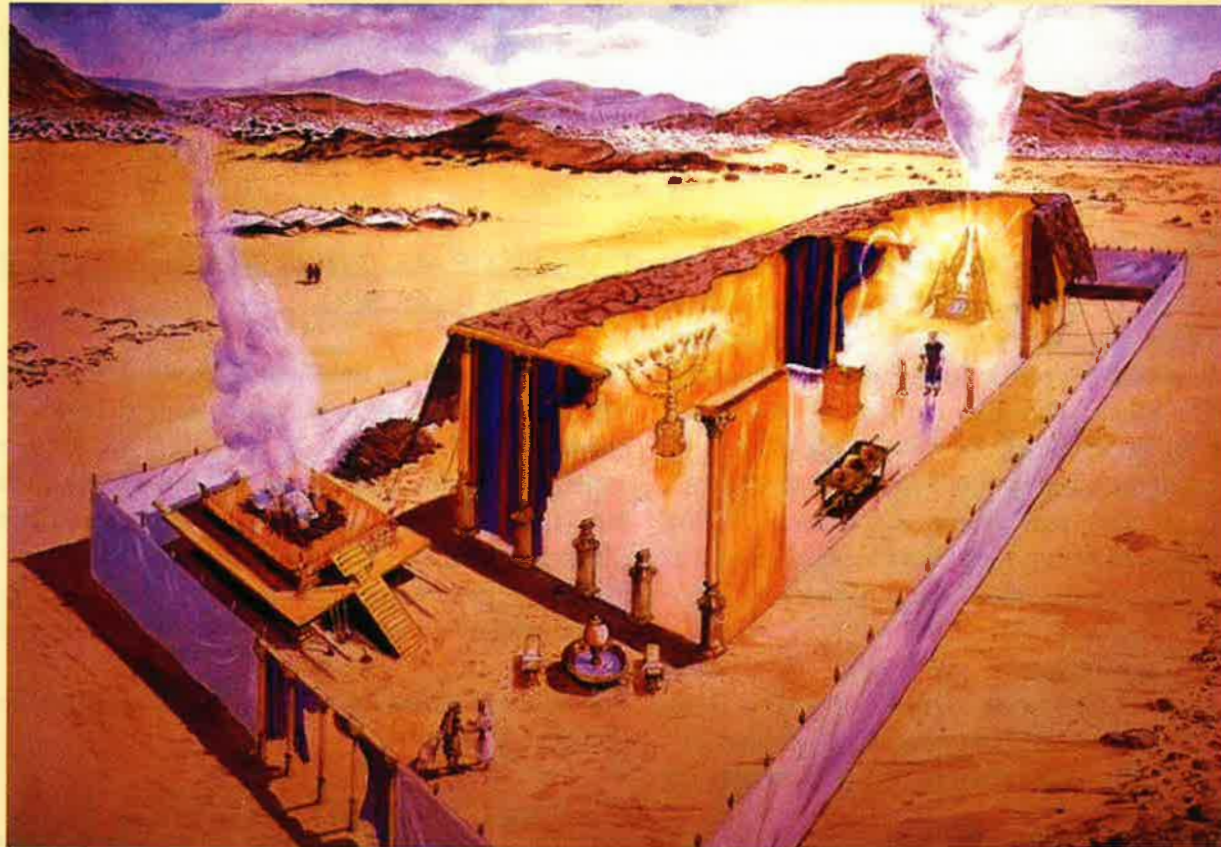


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BRAIN NERVES UNDER REPAIR! PART II

“Much may be done to restore the moral image of God in man, to improve the physical, mental, and moral capabilities. Great changes can be made in the physical system by obeying the laws of God and bringing into the body nothing that defiles. And while we cannot claim perfection of the flesh, we may have Christian perfection of the soul.” Selected Messages Vol. 2 p. 32, 33

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MAKING THE CONNECTION

“God has revealed what is to take place in the last days, that His people may be prepared to stand against the tempest of opposition and wrath. Those who have been warned of the events before them are not to sit in calm expectation of the coming storm, comfort-ing themselves that the Lord will shelter His faithful ones in the day of trouble. We are to be as men waiting for their Lord, not in idle expectancy, but in earnest work, with unwavering faith. It is no time now to allow our minds to be engrossed with things of minor importance. While men are sleeping, Satan is actively arranging matters so that the Lord’s people may not have mercy or justice.



The Sunday movement is now making its way in darkness. The leaders are concealing the true issue, and many who unite in the movement do not themselves see whither the undercurrent as tending. Its professions are mild and apparently Christian, but when it shall speak it will reveal the spirit of the dragon. It is our duty to do all in our power to avert the threatened danger. We should endeavor to disarm prejudice by placing ourselves in a proper light before the people. We should bring before them the real question at issue, thus interposing the most effectual protest against measures to restrict liberty of conscience. We should search the Scriptures and be able to give the reason for our faith. Says the prophet: “The wicked shall do wickedly: and none of the wicked shall understand; but the wise shall understand.” 5 Testimonies, p. 452

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School Preparing Intelligent Educated Survivors

“It is obstacles that make men strong. It is not helps, but difficulties, conflicts, rebuffs, that make men of moral sinew. Too much ease and avoiding responsibility have made weaklings and dwarfs of those who ought to be responsible men of moral power and strong spiritual muscle.... Man can make his circumstances, but circumstances should never make the man. Man should seize circumstances as his instruments with which to work. He should master circumstances, but should never allow circumstances to master him.” The Publishing Ministry, 81, 82

souls if you do not turn square about... Educate yourself to a different train of thought. Put no confidence in yourself... Educate your mind to study the Word of God. Study it with your whole heart and pray much. Everlasting life is worth a lifelong, persevering effort.” Letter 106a, 1896.

MASTURBATION AND INSANITY

“In his scholarly study on “Masturbatory Insanity; The History of an Idea,” (Journal of Mental Science 108:1, Jan. 1962), E.H. Hare refers to a study of 500 patients admitted consecutively to the Iowa State Psychopathic Hospital. He states that the authors of the study (Malamud, W. and Palmer, G., “The Role Played by Masturbation in the Causation of Mental Disturbances”, Journal of Nervous and Mental Disorders, 76:220, 1932) found that in twenty-two cases masturbation was “apparently the most important cause of disorder.”

Writing of masturbation in their Adolescent Development Adjustment (McGraw-Hill Book Company, 1965), Lester C. and Alice Crow conclude:

“The effects of this form of sex perversion are not yet fully known.”

Dr. David Horrobin, an M.D. and Ph.D. from Oxford University, states:

“The amount of zinc in semen is such that one ejaculation may get rid of all the zinc that can be absorbed from the intestines in one day. This has a number of consequences. Unless the amount is replaced by an increased dietary intake, repeated ejaculation may lead to a real zinc deficiency with various problems developing, including impotence.”

“It is even possible, given the importance of zinc for the brain, that 19th century moralists were correct when they said that repeated masturbation could make one mad!” Zinc (Vitabooks: St. Albans, Vermont, 1981), p.8

This statement is similar to that made by Carl C. Pfeiffer, Ph. D., M.D., in his book on zinc. He declares: “We hate to say it, but in a zinc-deficient adolescent, sexual excitement, and excessive masturbation might precipitate insanity.”

Zinc and Other Micro-Nutrients (Keats: New Canaan, Conn., 1978), p. 45.

NOTE: Not all medical authorities would agree with these conclusions, yet it is significant that there are some whose study and research have led them to opinions which are compatible with the teachings of the Bible Companions as written by E.G. White.

For further study, see E.G. White, Child Guidance, pp. 439-456.

DANGER OF ALL OTHER MORAL SEXUAL PERVERSIONS (SODOMY)

“Reproduction is the mechanism by which the thread of life is sustained. In one sense, reproduction is the process by which a single cell duplicate its genetic material, allowing an organism to grow and repair itself; thus, reproduction maintains the life of the individual. But reproduction is also the process by which genetic material is passed from generation to generation. In this regard, reproduction maintains the continuation of the species”

Principles of Anatomy and Physiology, Harper Collins Publishers, p. 879

SEXUALLY TRANSMITTED DISEASES

“The general term sexually transmitted disease (STD) is applied to any of the large group of diseases that can be spread by sexual contact. The group includes conditions traditionally specified as venereal diseases (VD)... such as gonorrhea, syphilis, and genital herpes, and several other conditions that are contracted sexually, or may be contracted otherwise, but are transmitted to a sexual partner.”

Principles of Anatomy and Physiology, Harper Collins Publishers, p. 917.

SODOM’S SIN TODAY: SEXUAL PERVERSION, INCEST, HOMOSEXUALITY, LESBIANISM, BESTIALITY, PORNOGRAPHY, PROSTITUTION AND WORST STILL

“We are not ignorant of the fall of Sodom because of the corruption of its inhabitants. The prophet has here [Eze.16:49] specified the particular evils which led to dissolute morals. We see the very sins now existing in the world which were in Sodom and which brought upon her the wrath of God, even to her utter destruction.” 4 Bible Commentary p. 1161.

against their authority and because he considers them vile and shameful, he confronts them, humiliates them and shows open contempt towards them." *Le bébé et sa nutrition*, p. 172-175, (excerpts translated from French).

Lev. 18: 20, 22, 23, 26 "Moreover thou shalt not lie carnally with thy neighbor's wife, to defile thyself with her. Thou shalt not lie with mankind as with womankind: it is abomination. Neither shalt thou lie with any beast to defile thyself therewith, neither shall any woman stand before a beast to lie down thereto: it is confusion. Ye shall therefore keep My statutes and My judgments, and shall not commit any of these abominations, neither any of your own nation nor any stranger who sojourneth among you."

Romans 1: 26 - 28 "For this cause God gave them up unto vile affections: for even their women did change the natural use into that which is against nature: And likewise also the men, leaving the natural use of the woman, burned in their lust one toward another; men with men working that which is unseemly, and receiving in themselves that recompence of their error which was meet. And even as they did not like to retain God in their knowledge, God gave them over to a reprobate mind, to do those things which are not convenient;"

BRAIN SEVERELY TAXED BY PRACTICE OF SECRET HABITS

"The practice of secret habits surely destroys the vital forces of the system. All unnecessary vital action will be followed by corresponding depression. Among the young the vital capital, the brain, is so severely taxed at an early age that there is a deficiency and great exhaustion, which leaves the system exposed to disease of various kinds." *Child Guidance*, p. 444.

FOUNDATIONS LAID FOR VARIOUS DISEASES LATER IN LIFE

"If the practice is continued from

"Every nation has its laws, which command respect and obedience; no government could exist without them; and can it be conceived that the Creator of the heavens and the earth has no law to govern the beings he has made? Suppose that prominent ministers were publicly to teach that the statutes which govern their land and protect the rights of its citizens were not obligatory - that they restricted the liberties of the people, and therefore ought not to be obeyed; how long would such men be tolerated in the pulpit? But is it a graver offense to disregard the laws of states and nations than to trample upon those divine precepts which are the foundations of all government?" *The Great Controversy*, p. 584

the ages of fifteen and upward, nature will protest against the abuse she has suffered, and continues to suffer, and will make them pay the penalty for the transgression of her laws, especially from the ages of thirty to forty-five, by numerous pains in the system and various diseases, such as affection of the liver and lungs, neuralgia, rheumatism, affection of the spine, diseased kidneys, and cancerous humors. Some of nature's fine machinery gives way, leaving a heavier task for the remaining to perform, which disorders nature's fine arrangement; and there is often a sudden breaking down of the constitution, and death is the result."

Child Guidance, p. 444.

THE RESULTS OF SELF-ABUSE IN WOMAN

"Females possess less vital force than the other sex, and are deprived very much of the bracing, invigorating air, by their in-doors life. The results of self-abuse in them is seen in various diseases, such as catarrh, dropsy, headache, loss of memory and sight, great weakness in the back and loins, affections of the spine, the head often decays inwardly. Cancerous humor, which would lay dormant in the system their lifetime, is inflamed, and commences its eating, destructive work. The mind is often utterly ruined, and insanity takes place."

Testimonies on Sexual Behavior, Adultery and Divorce, p. 122.

CHILDREN OF INCEST

"God charges adultery against everyone who does these things (self-abuse) and all who will communicate

these vile practices to another are polluting that soul with vile imaginations... leading youths into this habit of self-abuse... given them the fruit of the tree of the knowledge (of good and evil), and every evil communicated is causing them to partake of the tree of knowledge which God has forbidden to be eaten. How can I frame words to express the enormity of this awful sin?... If I were forced to choose whether these children should be exposed to these temptations, educated in these evil practices, or be cut down by death, I would say, Let them die in their innocence. Let them not be corrupted by eating the apples of Sodom... Your moral taste is so perverted that it will ruin yourself and ruin many

Brain Nerves

UNDER REPAIR

Part 2 of 2

Solutions to Renew the Connection with His Designer:

4th SOLUTION:

Man's lower nature is to be in subjection to the new higher nature

"Therefore if any man be in Christ, he is a new creature: old things are passed away; behold, all things are become new." 2 Corinthians 5:17

GOD STANDS RESPONSIBLE FOR THE CORRECTION OF CULTIVATED AND HEREDITARY TENDENCIES

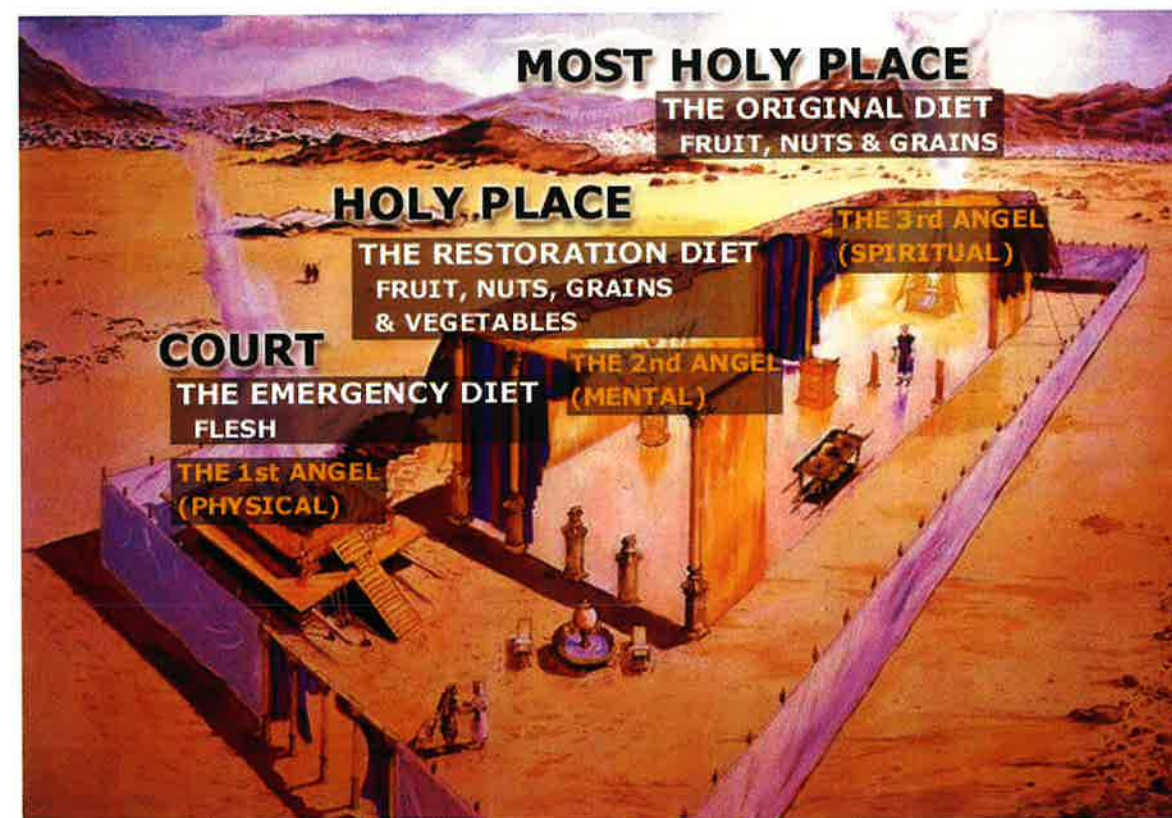
"It is by the Spirit that the heart is made pure. Through the Spirit the believer becomes a partaker of the divine

nature. Christ has given His Spirit as a divine power to overcome all hereditary and cultivated tendencies to evil, and to impress His own character upon His church." *Desire of Ages*, p. 671.

PERFECTION OF THE MIND: MIND COMPLETELY UNDER THE DIRECTION OF THE HOLY SPIRIT RATHER THAN A TRANSFORMATION OF THE BRAIN STRUCTURES WHICH WOULD ELIMINATE ITS DEFECTS

"A fanatical teaching claiming that when Christ passed through the agony of Gethsemane He obtained holy flesh such as Adam possessed before the fall; this theory alleged that those who follow the Savior must also acquire the same state of physical sinlessness as an essential preparation for translation."

Selected Messages, Vol. 2, p. 31, Compilers.



HOLY FLESH ON THIS EARTH: AN IMPOSSIBILITY

"The teaching given in regard to what is termed "holy flesh" is an error. All may now obtain holy hearts, but it is not correct to claim in this life to have holy flesh. The apostle Paul declares, "I know that in me (that is, in my flesh,) dwelleth no good thing" (Romans 7:18). To those who have tried so hard to obtain by faith so-called holy flesh, I would say, You cannot obtain it. Not a soul of you has holy flesh now. No human being on the earth has holy flesh. It is an impossibility." Selected Messages, Vol. 2, p. 32.

HOLY FLESH THEORY LEADS TO POLLUTION OF BODY, SOUL AND SPIRIT

"If those who speak so freely of perfection in the flesh, could see things in the true light, they would recoil with horror from their presumptuous ideas. In showing the fallacy of their assumptions in regard to holy flesh, the Lord is seeking to prevent men and women from putting on His words a construction which leads to pollution of body, soul, and spirit. Let this phase of doctrine be carried a little further, and it will lead to the claim that its advocates cannot sin; that since they have holy flesh, their actions are all holy. What a door of temptation would thus be opened!" Selected Messages, Vol. 2, p. 32.

WE MAY HAVE CHRISTIAN PERFECTION OF THE SOUL (MIND/CHARACTER)

"The Scriptures teach us to seek for the sanctification to God of body, soul, and spirit. In this work we are to be laborers together with God. Much may be done to restore the moral image of God in man, to improve the physical, mental, and moral capabilities. Great changes can be made in the physical system by obeying the laws of God and bringing into the body nothing that defiles. And while we cannot claim perfection of the flesh, we may have Christian perfection of the soul." Selected Messages Vol. 2 p. 32, 33.

FROM A VILE BODY TO A GLORIOUS BODY

"When human beings receive holy flesh, they will not remain on the earth, but will be taken to heaven. While sin is forgiven in this life, its results are not now wholly removed. It is at His coming that Christ is to "change our vile body, that it may be fashioned like unto his glorious body" Phil. 3:21." Selected Messages, Vol. 2 p. 33.

5th SOLUTION:

Revival and Reformation means temperance: the only way to real victory

"I beseech you therefore, brethren, by the mercies of God, that ye present your bodies a living sacrifice, holy, acceptable unto God, which is your reasonable service. And be not conformed to this world: but be ye transformed by the renewing of your mind, that ye may prove what is that good, and acceptable, and perfect, will of God." Romans 12:1, 2.

IMPOSSIBLE TO BE SANCTIFIED WHEN A MAN IS CONTROLLED BY APPETITE

"It is impossible for the spirit and power of the truth to sanctify a man, soul, body, and spirit, when he is controlled by appetite and passion." Testimonies Vol. 3 p. 570

SENSUAL INDULGENCE BLOCKS THE CHANNELS USED FOR SALVATION

"Sensual indulgence weakens the mind and debases the soul. The moral and intellectual powers are benumbed and paralyzed by the gratification of the animal propensities; and it is impossible for the slave of passion to realize the sacred obligation of the law of God, to appreciate the atonement, or to place a right value upon the soul. Goodness, purity, and truth, reverence for God, and love for sacred things--all those holy affections and noble desires that link men with the heavenly world--are consumed in the fires of lust. The soul becomes a blackened and desolate waste, the habitation of the evil spirits, and the "cage of every unclean and hateful bird." Beings formed in the image of God are dragged down to

DIVINE STATUTORY LAWS FOR HUMAN WELFARE

LAW OF UNCOVERING THE NAKEDNESS OF A NEXT OF KIN

Lev. 18: 5 - 10 "Ye shall therefore keep My statutes and My judgments, which if a man do, he shall live in them: I am the LORD. None of you shall approach any who is near of kin to him to uncover their nakedness: I am the LORD. The nakedness of thy father or the nakedness of thy mother shalt thou not uncover: she is thy mother; thou shalt not uncover her nakedness. The nakedness of thy father's wife shalt thou not uncover: it is thy The nakedness of thy sister, the daughter of thy father or daughter of thy mother, whether she be born at home or born abroad, even their nakedness thou shalt not uncover. The nakedness of thy son's daughter or of thy daughter's daughter, even their nakedness thou shalt not uncover; for theirs is thine own nakedness."

Gen. 9: 21 - 22 "And he (Noah) drank of the wine, and was drunken; and he was uncovered within his tent.

And Ham, the father of Canaan, saw the nakedness of his father and told his two brethren outside. And Shem and Japheth took a garment and laid it upon both their shoulders, and went backward and covered the nakedness of their father; and their faces

were turned away, and they saw not their father's nakedness."

TO UNCOVER THE NAKEDNESS

"The nakedness of thy father, or the nakedness of thy mother, shalt thou not uncover: she is thy mother; thou shalt not uncover her nakedness." Leviticus 18:7.

"Incest is a terrible universal sexual crime, as it affects the innocent victim in its capacity of normal sexual development. The responsibility of the child to obey the solemn command of Leviticus 18:7 rests entirely on the parents who have the duty to watch on the rights of their children to be respected in matter of purity. A just conception of their priority is the only guarantee parents may possess to prevent affective pernicious relations with their children. Parents must avoid intense care to genital parts and intimate touching to these areas. The mother should not expect from the child the affection that she will not give to her husband.

Breast feeding is a sexual activity that is purely feminine but non genital. Under the influence of certain publicity, the breast feeding mothers may justify prolonged contacts with their babies, bathing with them and showing total absence of privacy in front of the little child growing up. A child under such motherly, abusive attachment, generally develops an early genital excitement which

SODOM'S SIN TODAY: SEXUAL PERVERSION, INCEST, HOMOSEXUALITY, LESBIANISM, BESTIALITY, PORNOGRAPHY, PROSTITUTION AND WORST STILL

"We are not ignorant of the fall of Sodom because of the corruption of its inhabitants. The prophet has here [Eze.16:49] specified the particular evils which led to dissolute morals. We see the very sins now existing in the world which were in Sodom and which brought upon her the wrath of God, even to her utter destruction."

4 Bible Commentary p. 1161.

will lead to masturbation. His troubled conscience imprisons him into egotism, a morbid attachment to his mother, hatred of his father which are all the fundamental and usual basis of homosexual behavior in male and female.

Nudity is the exclusive privilege of married couple and their sexuality should be strictly reserved in the most intimate privacy. Children must be taught to knock before entering the parents' bedroom or bathroom and parents must understand that their free-behavior before the children will influence dangerously their human development.

In fact, a child who sees freely or by misconduct, the nudity of his parents, will defend himself by detaching most rapidly and completely from his parents, considering them more as his "buddies", blaming himself for the way he feels and as he grows up full of anguish, his hatred for his parents increases. He raises

NOTE: THE DIETS OF MAN

1. **Original Diet - Genesis 1:11, 29 - Fruit, Nuts & Grain**
2. **Added after the Fall - Genesis 3:18 - Vegetables**
3. **Added after the Flood - Genesis 9:3, 4; Leviticus 11 - Flesh**

sexual intercourse or through the blood, and killing people in weeks or months rather than years.

We need to acknowledge that many countries of the world do now have all the resources to make by laboratory accident even more dangerous viruses than HIV.

All procedures involving the reprogramming or reassembling of viruses should therefore be strictly controlled. In particular there should be some kind of licensing authority for experiments where animals or plants are being infected by synthetic viruses. Less controls are needed for test-tube infections except where infected cells are replaced in plants or animals. It should be recognized that there is already evidence that genetically engineered viruses given to animals have the potential to mix uncontrollably with other viruses already present with unpredictable and possibly disastrous effects.

d) Ban on biological warfare research

There should be an immediate world ban on developing biological weapons of any kind. All biological weapons stations owned by the military or by secret services in different countries should be closed and their supplies destroyed.

e) World monitoring of code of practice

At the moment it is too easy for those wishing to avoid any controls to move the base of their operations from one country to another. There needs to be a global consistency in the regulations applied from country to country.

Is it right?

Having considered some urgent issues relating to safety of this new technology we now need to turn to the more subjective area and look at where some of the most difficult ethical issues are. Broadly speaking they seem to fall into two groups:

- Those concerned with the development of humans from egg to embryo to birth
- Those concerned with the radical changing of species.

Each of us has a view of the world which will color our response to these issues. However it is helpful first to establish a few common principles that a large number of people would probably accept. The first principle is an aesthetic dislike of creating the grossly unnatural, or monsters. In the traveling fairs of some countries, for a small charge you can enter a tent and see some of the strange wonders of the world: animals with two heads stuffed in a glass box, or a baby with two heads and four arms. The Elephant man of the last century was not a loved or popular public figure. Going to the zoo to see cages full of animals mutated beyond all recognition is hardly likely to be a money spinner for the owners.

What is a human being?

The second principle is a strong sense of what a human is - we recognize other human beings instinctively without necessarily being able to analyze all the reasons why. Our whole civilization rests on social interaction and respect between individuals and groups of other people.

Therefore a language speaking chimpanzee with reasoning powers, will, personality and artistic ability, is likely to be disturbing to most - especially if the chimpanzee talks fluently, with a large vocabulary, dresses in human clothes and adopts human mannerisms.

When it is realized that the cause of this genius is that the human genetic code for the brain's development was programmed into the developing embryo there may well be some who begin to wonder if the creature is not in fact more human than animal. After all, many owners of pets have similar feelings of identity with their dogs or cats for example.

There is a natural curiosity about such possibilities but a revulsion against having to live with the consequences on a daily basis.

OBEY AND LIVE, DISOBEY AND DIE:

"The brain nerves that connect with the whole system are the only medium through which heaven communicates with man and affects his inmost life."
Education p. 209.

"But if there was a sin above another which called for the destruction of the race by the flood, it was the base crime of amalgamation of man and beast which defaced the image of God and caused confusion everywhere... Every species of animal which God created was preserved in the ark. The confused species which God did not create, which were the result of amalgamation, were destroyed by the flood. Since the flood, there has been amalgamation of man and beast, as may be seen in the almost endless varieties of species of animals, and in certain races of men."

Spirit of Prophecy, Volume 1 page 69 ,78.

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Le bebe et sa nutrition, Daniele Starenkij, Publications Orion, 1990, (excerpts translated from French).
<http://www.globalchange.com/books>
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a level with the brutes." Patriarchs and Prophets, p. 458.

BREAKING THE LAWS OF HEALTH: A TRANSGRESSION OF THE LAW OF GOD

"It is as truly a sin to violate the laws of our being as it is to break the ten commandments. To do either is to break God's laws. Those who transgress the law of God in their physical organism, will be inclined to violate the law of God spoken from Sinai"
Counsels on Diet and Foods, p.17.

THE BRAIN NERVES ARE BENUMBED BY ANIMAL APPETITE

"The sensitive nerves of the brain have been benumbed, and the animal appetite strengthened at the expense of the moral and intellectual faculties. These higher powers, which should control, have been growing weaker, so that eternal things have not been discerned. Paralysis has benumbed the spiritual and devotional. Satan has triumphed to see how easily he can come in through the appetite and control men and women of intelligence, calculated by the Creator to do a good and great work."

Counsels and Diet and Foods, p. 48.

6th SOLUTION:

Sanctification is a process of a lifetime: the work of the Early Rain

"Sanctify them through thy truth: thy word is truth."
John 17:17.

THE RESTORATION OF MAN'S CHARACTER IS NOT INSTANTANEOUS

"God leads His people on, step by step. He brings them up to different points calculated to manifest what is in the heart. Some endure at one point, but fall off at the next. At every advanced point the heart is tested and tried a little closer. If the professed people of God find their hearts opposed to this straight work, it should convince them that they have a work to do to overcome, if they would not be spewed out of the mouth of the Lord. Said the angel: "God will bring His work closer and closer to test and prove every one of His people."

Some are willing to receive one point; but when God brings them to another testing point, they shrink from it and stand back, because they find that it strikes directly at some cherished idol. Here they have opportunity to see what is in their hearts that shuts out Jesus... if any will not be purified through obeying the truth, and overcome their selfishness, their pride, and evil passions, the angels of God have the charge: "They are joined to their idols, let them alone," and they pass on to their work, leaving these with their sinful traits unsubdued, to the control of evil angels. Those who come up to every point, and stand every test, and overcome, be the price what it may, have heeded the counsel of the True Witness, and they will receive the latter rain, and thus be fitted for translation." Testimonies Vol. 1 p. 187.

INSPIRED DEFINITION OF SANCTIFICATION

"True sanctification means perfect love, perfect obedience, perfect conformity to the will of God."
Our High Calling, p. 87.

7th SOLUTION:

Supreme Love is the great binder

"And hereby we do know that

we know him, if we keep his commandments. He that saith, I know him, and keepeth not his commandments, is a liar, and the truth is not in him. But whoso keepeth his word, in him verily is the love of God perfected: hereby know we that we are in him. He that saith he abideth in him ought himself also so to walk, even as he walked." 1 John 2: 3 - 6.

"Behold, what manner of love the Father hath bestowed upon us, that we should be called the sons of God: therefore the world knoweth us not, because it knew him not." 1 John 3: 1.

THE HUMAN MIND ADAPTS TO WHAT IT BEHOLDS

"It is a law both of the intellectual and the spiritual nature, that by beholding, we become changed. The mind gradually adapts itself to the subjects upon which it is allowed to dwell. It becomes assimilated to that which it is accustomed to love and reverence. Man will never rise higher than his standard of purity or goodness

or truth. If self is his loftiest ideal, he will never attain to anything more exalted. Rather, he will constantly sink lower and lower. The grace of God alone has power to exalt man. Left to himself, his course must inevitably be downward." The Great Controversy, p. 555.

IF ALL WERE WILLING ALL WOULD BECOME FILLED WITH THE HOLY SPIRIT

"In the great and measureless gift of the Holy Spirit are contained all of heaven's resources. It is not because of any restriction on the part of God that the riches of His grace do not flow earthward to men. If all were willing to receive, all would become filled with His Spirit." Christ Object Lessons, p. 419.

OUT-FLOWING OF HEAVENLY LOVE

"The indwelling of the Spirit will be shown by the out-flowing of heavenly love. The divine fullness will flow through the consecrated human agent, to be given forth to others. The Sun of Righteousness has "healing in His wings." Mal. 4:2. So from every true disciple is to be diffused an influence for life, courage, helpfulness, and true healing.

THE RELIGION OF CHRIST MEANS FILLING THE VACUUM WITH GRACE

The religion of Christ means more than the forgiveness of sin; it means taking away our sins, and filling the vacuum with the graces of the Holy Spirit. It means divine illumination, rejoicing in God. It means a heart emptied of self, and blessed with the abiding presence of Christ. When Christ reigns in the soul, there is purity, freedom from sin. The glory, the fullness, the completeness of the gospel plan is fulfilled in the life. The acceptance of the Saviour brings a glow of perfect peace, perfect love, perfect assurance. The beauty and fragrance of the character of Christ revealed in the life testifies that God has indeed sent His Son into the world to be its Saviour."

Christ Object Lessons, p. 419, 420.

CONCLUSION

The faculties of the mind themselves (intellect, conscience, reason) are not supernaturally restored to sinless perfection, but rather are, through the channels of man's own will, so completely subjected to the Holy Spirit, that they no longer function as before under their own perverted inclinations.

This transformation literally brings a change of focus in man's ways of thinking and consequent decisions. He no longer acts centering on himself but with reference to His Creator. When the AGAPE LOVE becomes the motivating power of man's life, the beautiful character of the Heavenly Father is being restored in him.

The process of this complete new way of thinking and acting takes time. Throughout man's entire life, he has to choose to remain totally dependent upon the Holy Spirit which supplies him with the motivation and the power necessary to bring the lower power of his nature, (passion, appetite, desire), into subjection to the Spirit-directed higher power (intellect, conscience, reason).

This revival must be followed by a daily reformation: by submitting to the Holy Spirit through prayer, study and meditation on the Word of God, faithfully obeying the 8 Laws of Health, and using natural remedies to help

cleanse the body and the brain.

The life of our Savior is a proof that such transformation is possible. Christ took our sinful nature in its fallen condition (affected by sin), meeting and overcoming temptation through the power of the Holy Spirit (not infected by sin), just as man must. The Savior's experience is an example of the manner in which God intends to bring about the transformation of man's life.

environmental release of altered species, viral contamination and spread, and biological warfare research.

Public needs to be informed

Most people have little idea of what is really going on. Even when reports appear, they can be confusing to the non-expert and be hard even for scientists in unrelated specialties to understand.

The truth may not be told

Almost the only sources of information about the new technology from the very people who have the most to lose from regulations, not just in limits on research, but also because an increasing number of genetic engineers have large commercial interests in the application of their technology, particularly in the US. It is inevitable that risks will be played down, that accidents will be kept very quiet and experiments likely to trouble the public conscience will continue to be done quietly, without necessarily publishing results.

Lessons from the food industry

The food industry is an example where there is great consumer sensitivity - especially in the West with an increasing emphasis on "natural" foods. An example was the huge consumer reaction seen recently over the proposed introduction of food irradiation. The technique involves blasting pre-packaged foods with a large dose of radiation using X-rays. The doses used are enough to kill any bacteria so the food inside the sealed packet becomes effectively sterile. At first there were natural anxieties about whether any surviving organisms might be likely to mutate into a more dangerous form. That fear has been largely laid to rest by extensive tests which show these germs cannot survive the process. The next fear was that the treatment would be used to sterilize decaying or contaminated food which would then be sold in supermarkets having been passed as safe.

Public fear leads to caution

However the biggest problem has been that people are afraid of radiation following such things as the contamination of Welsh sheep by the Chernobyl nuclear disaster in the Soviet Union. Radiation to the public means one thing: contamination with invisible particles which can be absorbed into the body and which can cause cancer in the future, for which there may be no cure.

Irradiation of food is probably completely safe, and would probably have been in wide use by now if food manufacturers had been able to introduce the technique without any publicity. Instead, after big media coverage, manufacturers were forced to indicate on the labeling if radiation was used. The regulation killed the process stone dead as far as many suppliers were concerned.

Unless there is a regulation, you and I will discover we have been buying genetically engineered foods after we have eaten them rather than before. Who wants to advertise the fact and risk a massive loss in sales?

So what response should there be?

Firstly we have to be realistic: although it is very doubtful that any single government or group of governments can control this technology effectively - even if they agree to do so, and how to do it - nevertheless, it is important to think through what should happen, and highlight the biggest problems.

a) Food production safety

- 1) The government should set up a licensing authority to approve genetically engineered foods for human consumption, including those derived from plants and animals. The license should cover not only where germ cells have been reprogrammed but also where the organism contains a subgroup of infected cells. Particular attention needs to be paid to the possibility of introducing substances into the human diet on a large scale which could turn out to have cancer inducing, fetus damaging or other toxic effects. Genetically engineered foods should therefore be subject to a rigorous chemical analysis to determine what new or unfamiliar compounds may now be contained in the food. The amount of analysis needed will depend on the degree of reprogramming.
- 2) Genetically engineered foods should be labeled clearly as such so that consumers can make a choice.

b) Environmental release of new organisms

The government should introduce strict regulation of the environmental release of new organisms. In some countries such controls have already been in existence for some time, albeit as part of a voluntary code of practice. These controls should apply especially to micro-organisms, to plants, fish, birds and animals which could survive quite easily if they escaped from a contained area on a farm. Controls do not need to be so strict with conventional farm livestock although such stock should be indelibly marked in such a way as to make their origin and nature instantly recognizable. Breeding of fish in a confined pond with no water outlet from it might be a borderline area.

c) Viral contamination controls

Viral spread outside the laboratory as a result of genetic research is a serious possibility - whether spread of plasmids, of plant viruses, of animal viruses or of viruses infecting humans. In the absence of effective anti-viral cures we have to recognize the great vulnerability humans have to a second plague like AIDS, but this time maybe of an even worse nature, spread - say - by respiratory droplets rather than by

HOW IS YOUR THINKING TODAY?

IT IS BY REPETITION OF ACTS THAT HABITS ARE ESTABLISHED AND CHARACTER CONFIRMED.

WHAT ARE HABITS?

Thoughts and feelings (character) indulged, prepare the way for actions. Thus actions repeated from habits, habits form character. There are two types of thought patterns in our minds: thoughts combined with a desire for good, such as love, giving, joy, peace, patience, gentleness, etc., and thoughts combined with a desire for self-exaltation, pride, anger, resentment, fear, destruction, etc.

The action is merely the outward revelation of the thoughts. These thoughts and feelings indulged (repeated over and over) are what make habits. When a person does what he is thinking about, that also strengthens the thought patterns. These habitual thought patterns are the innate tendencies in the mind from which comes the conscious thoughts.

One feature of cancer cells is that the wrong volume of the encyclopedia is open and the wrong genes are active, sending "correct" but inappropriate instructions to cells to grow and usually to become less specialized.

NEW MEDICINES FOR A NEW WORLD

Genetic engineering is beginning to revolutionize medical and surgical practice. However as soon as we put genetic engineering and medicine together we need to make a big distinction between techniques designed simply to selectively identify and abort fetus simply on the basis of their genetic problems (e.g. Downs babies) and techniques designed to produce cures or treatments for conditions.

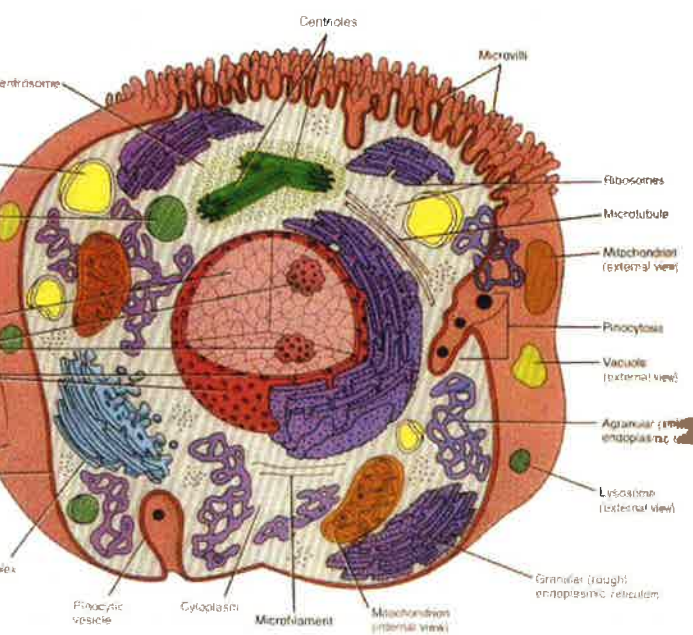
Although much embryo research has been labeled as assisting in the prevention of many inherited diseases we have to be honest with ourselves and say that this is only being achieved by mothers consenting to abortions if doctors suspect that the developing child may have an inherited disease. This is "prevention by elimination" or "birth denial" rather than prevention through counseling, education, treatment or cure.

For the last ten years we have recognized that if 10,000 adults eat a diet high in animal fats - especially cholesterol - then the number with heart disease is likely to rise. The huge marketing campaigns by margarine manufacturers have been built on this fact. However what is becoming clear is that for the great majority of the population, fat intake is probably almost irrelevant compared to a minority who have a genetic problem which means animal fats in their diet tend to produce damaging changes in the body.

"Trans-genic embryos or offspring have been produced for mice, rats, rabbits, chickens, fish, sheep, pigs and cattle. ...badly needed efforts to map the genome of domestic animals. "These and other new technologies promise to change livestock breeding drastically over the next decade"

Genetic cures or treatments are a massively growing area and fall into several groups:

1. Programming bacteria, fungi or mammalian cells to produce missing hormones or other substances including complex chemicals. This has been recognized as an area of major importance for many years.
2. Growing white cells (soldier cells used to fight infection) to harvest special "monoclonal antibodies" to attack things like cancers. This is a form of human cloning.



3. Growing skin, bone marrow or other cells as a form of cloning.
4. Producing vaccines.
5. Reprogramming human cells - for example to cure HIV infection and AIDS.
6. Reprogramming genes in an embryo to cure genetic diseases.

CONCLUSION: HOW TO RESPOND

There are two main questions we need to apply to each area of genetic engineering and to each technique used. Firstly is it safe, and secondly is it right? Having done this and decided what regulations are necessary we need to see them introduced in every country of the world, otherwise scientists and factories will simply relocate and set up elsewhere.

Is it safe?

There is a real danger of an instant response to the possible dangers of genetic engineering based on emotion and fear rather than reason. The first thing that is obvious is that there are a number of aspects of genetic engineering which are merely direct extensions of long established practice. Cross-breeding and propagating plants using cuttings are but two examples.

However as we have seen there are a large number of new areas where massive strides forward are being made with very little control particularly in the areas of food production,

THE CHARACTER OF THE 12 TRIBES OF ISRAEL VS CHARACTER OF THE 144000

PURPOSE:

To demonstrate:

The similitude between the character of the twelve tribes of Israel and the 144000.

Through the plan of salvation: justification, sanctification, purification and glorification, the character is brought to perfection.

Any other character study is a counterfeit of the way the Savior evaluates our characters with the Law of God.

INTRODUCTION:

The law of God is the standard of the judgment at the time of the Investigative Judgment. Any other way of evaluating the character and categorizing it, for example in: sanguine, choleric, phlegmatic or melancholic, is a depressing counterfeit of the enemy of souls to keep the mind in a state of predestination, giving no hope that the character can be transformed and changed through the power of the Holy Spirit.

Although these traits of character may exist and may be identified as a general overall representation of the different types of character in individuals, this pattern or way of thinking and being can be changed as demonstrated through the study of the brain nerves.

Through the study of the twelve tribes, as first presented in Genesis 49 and last heard of in Revelation 7 and 21, it behooves us to take heed how the Creator of all men, through the mighty power of the Holy Spirit, can transform a group of twelve men having major defects of character, ending up having their names written on the twelve gates of the Holy City, on the Earth made new.

NAMES OF THE TWELVE TRIBES IN GENESIS 49 COMPARED TO THE NAMES OF THOSE MENTIONED IN REVELATION 7

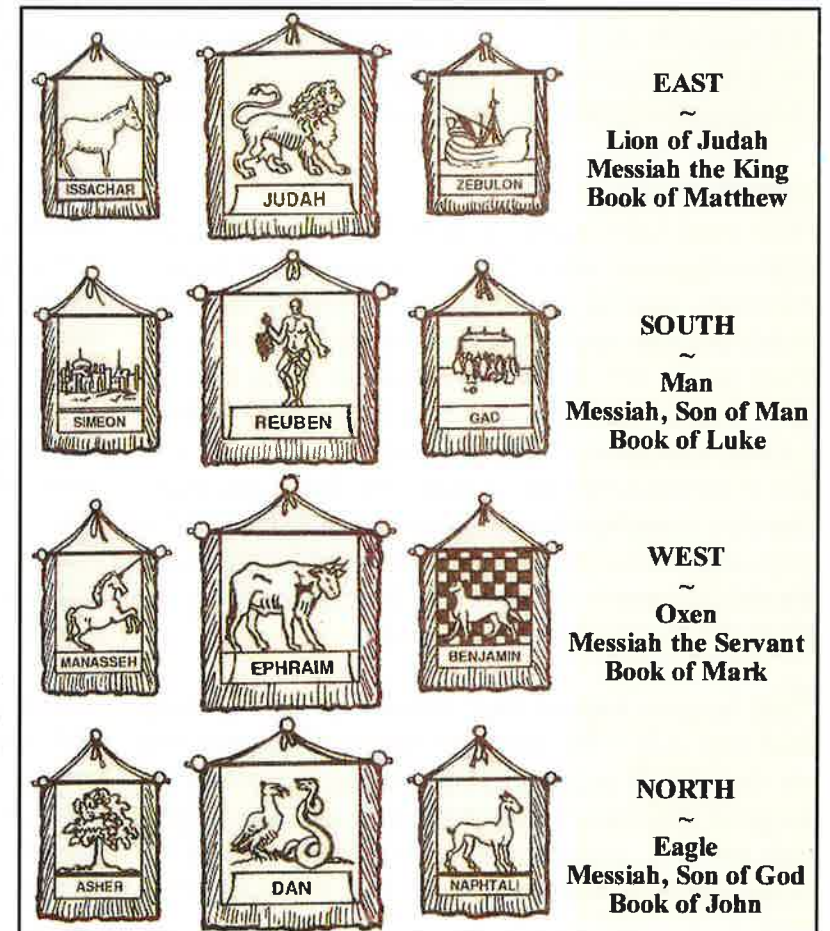
Reuben	Reuben
Simeon	Simeon

Levi	Levi
Judah	Judah
Zebulun	Zabulon
Issachar	Issachar
Dan	Manasses*
Gad	Gad
Asher	Aser
Naphtali	Nephtalim
Joseph	Joseph**
Benjamin	Benjamin

NOTE:

*The tribe of Dan is missing at the end and is replaced by the name of the eldest son of Joseph who received part of the Double Portion.

**Instead of Joseph's name, it should show the name of Ephraim who received the birthright rather than Manasseh; however unlike his uncle Esau, Manasseh



did nothing to forfeit his privileges in the family blessing. The Bible says that Jacob blessed Ephraim the younger son of Joseph in place of Manasseh (Gen. 48:17), to the dismay of Joseph. Ephraim could have had his name on one of the gates of the Holy City but the Bible clearly gives the reason of this absence: "Ephraim is joined to idols: let him alone." Hosea 4: 17.

CHARACTER OF THE TWELVE TRIBES BEFORE AND AFTER COMPLETE PERFECTION: COMPARE GEN. 49 & DEUT. 33 TO REV. 7

Based on the Book: The Cross and Its Shadow by S. N. Haskell

BEFORE

1. Reuben: Unstable as water
2. Simeon: cruel, murderer
3. Levi: participated in murder
4. Judah: tendency to selfishness
5. Zebulun: self-centered
6. Issachar: natural bent to evil
7. Dan: backbiter
8. Gad: backslider
9. Asher: natural propensities
10. Naphtali: free from responsibility
11. Joseph: tendency to self-elevation
12. Benjamin: gluttony, passionate

AFTER

1. Great searching of heart
2. Repentant
3. Faithful in crisis
4. Integrity
5. Ready to die for Christ
6. Strong, burden bearer
7. Manasses the just
8. Mighty in battle
9. Giving all to the cause
10. Comforter, giver
11. Faithfulness, self-sacrifice
12. Missionary spirit of Paul

CONCLUSION:

"The world is fast approaching that point in iniquity and human depravity when God's interference will become necessary. And at that time His professed followers should be more marked for their fidelity to His holy law. Their prayer will be as that of David: "It is time for Thee, Lord, to work: for they have made void Thy law." And by their conduct they will say: "Therefore I love Thy commandments above gold; yea, above fine gold." The very contempt that is shown to the law of God is sufficient reason why His commandment-keeping people should come to the front and show their esteem and reverence for His downtrodden law.

"And because iniquity shall abound, the love of many shall wax cold." The very atmosphere is polluted with sin. Soon God's people will be tested by fiery trials, and the great proportion of those who now appear to be genuine and true will prove to be base metal. Instead of being strengthened and confirmed by opposition,

threats, and abuse, they will cowardly take the side of the opposers. The promise is: "Them that honor Me I will honor." Shall we be less firmly attached to God's law because the world at large have attempted to make it void?

Already the judgments of God are abroad in the land, as seen in storms, in floods, in tempests, in earthquakes, in peril by land and by sea. The great I AM is speaking to those who make void His law. When God's wrath is poured out upon the earth, who will then be able to stand? Now is the time for God's people to show themselves true to principle. When the religion of Christ is most held in contempt, when His law is most despised, then should our zeal be the warmest and our courage and firmness the most unflinching. To stand in defense of truth and righteousness when the majority forsake us, to fight the battles of the Lord when champions are few--this will be our test. At this time we must gather warmth from the coldness of others, courage from their cowardice, and loyalty from their treason. The nation will be on the side of the great rebel leader.

The test will surely come; that what is now transpiring would take place, that the observance of an institution of the papacy would be enforced upon the people by a Sunday law, while the sanctified rest day of Jehovah would be trampled underfoot.

The Captain of our salvation will strengthen His people for the conflict in which they must engage. How often when Satan has brought all his forces to bear against the followers of Christ, and death stares them in the face, have earnest prayers put up in faith brought the Captain of the Lord's host upon the field of action and turned the tide of battle and delivered the oppressed.

Now is the time when we should closely connect with God, that we may be hid when the fierceness of His wrath is poured upon the sons of men. We have wandered away from the old landmarks. Let us return. If the Lord be God, serve Him; if Baal, serve him. Which side will you be on?" Testimonies Vol. 5, p. 136, 137.

He came to the conclusion that each plant must have two sets of instructions for each part of its structure. Therefore each plant had two set of instructions for height. However if the plant had a mixture, then the tall one was always dominant.

You can see how this works in figures below. When sperms or eggs are made - or their equivalent in plants - the original cells divide into two, with only half the full set of instructions needed for life in each half. So parents with a mixture of tall and short instructions in their cells will produce sperm or eggs with either one or the other.

Fertilization happens when pollen and ova meet, (or sperm and eggs in animals). When this happens, the new composite cell has a complete set of instructions and is able to start forming a new plant. Clearly four types of plants could result: one type where both pollen and ova have provided tall instructions, another where both are short, and two where there is a mix. Three of these out of four will be tall. The only plant type that will turn out short will be the one where both sets of instructions are short, because both parent plants passed on the recessive gene.

So in his classic experiment: two tall plants cross-fertilized produced short plants one time in four. Interestingly, if short plants are only fertilized by other short plants then you can see that no more tall plants will ever be produced. A new strain will have been created.

Simple methods like this have been widely used by gardeners and horticulturists for over a hundred years: selective breeding from plants showing the characteristics you want to encourage. The development of pedigree dogs is an ancient art which has worked on the same principle: only allowing dogs to mate that have the right characteristics.

PART 5 - GENES AND CHROMOSOMES

All the genes or sets of instructions in a human are contained in just 46 chromosomes, each of which exists as one of 23 pairs. Chromosomes can be seen under the microscope and most look quite similar. However, there is an obvious difference between men and women: women have a pair of chromosomes shaped like two Xs while men have one X chromosome and another shaped like a Y. The Y is dominant so a single Y produces a boy and suppresses a single X. The hemophilia defect is on the X chromosome so women never get the disease although they can be carriers, with their second normal X chromosome dominating over the abnormal one.

HOW CHROMOSOMES STORE INFORMATION

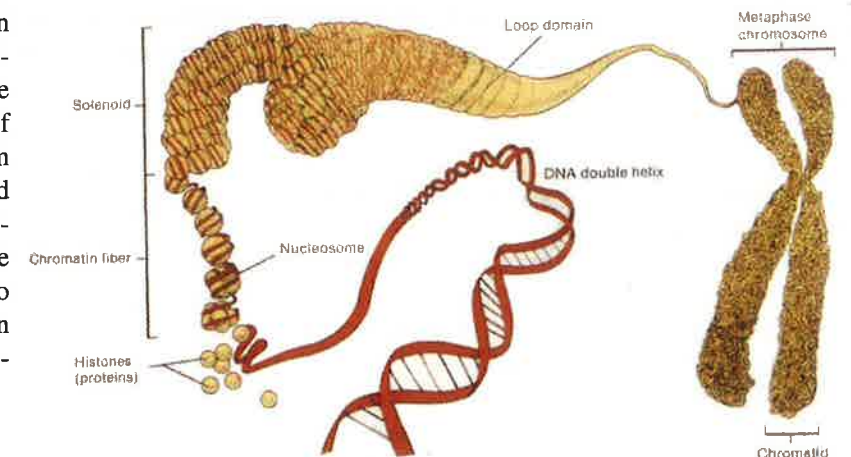
If you take a chromosome apart into its tens of thousands of genes and take each gene apart one by one, you will find each one is made up of a long string of building blocks or molecules. There are around 300,000,000 building blocks used in every human cell. These special strings of them are called nucleic acids, because they are chemically slightly acidic and they are used in the nucleus of a cell. The nucleic acids themselves are called DNA (or deoxyribonucleic acid). DNA is built up of only four different building blocks known as bases.

These form a four letter "alphabet" formed from the different shapes of the four structures: Adenine, Thymine, Guanine and Cytosine, or A,T,G and C for short. Assembled DNA consists of two strands that look a little like the model railway track in our home. Each rail is a long string of the four bases in a special language sequence - ATGCCTA for example. These chemicals operate in reverse pairs so that if - say - A is one side of the track, T is always on the other; G always pairs with C and the other way round is also true. The pairs are joined together like the sleepers of a railway track.

THE LANGUAGE OF LIFE

When a gene is dismantled, you can write out the order of bases as a code or language - even with punctuation marks. Typing out the full language from all your own genes would fill more than a whole book of 100 of pages. In fact, the lists of instructions are extremely long and detailed - probably enough to fill the entire Encyclopedia Britannica. There is a lot of information which is repeated twice and many pages which are "spare" filled with a jumble of words and phrases not being used currently at all.

Each cell in your body contains the full encyclopedia but only uses a few pages. All the other genes are "turned off" or deactivated. To put it another way, the other volumes of the encyclopedia are in the bookshelf unopened.



But we are seeing an unprecedented series of local and global problems which will ultimately affect life on this planet as we know it. The result is a new massive surge of resources, time, money and organization into the new revolution that, it is believed, could hold the keys to some solutions, and maybe also open the doors to new unimaginable disasters.

So what can the genetic engineer possibly hope to contribute towards such a world as we face tomorrow? It is believed that re-designed organisms could offer us new ways to convert scarce sources of energy including coal and industrial wastes to substances we can use to make recyclable plastics. New organisms could provide new food sources, while new ultra efficient plants and trees could be part of the world lungs of the future. Finally altered microbes could offer complete cures for diseases such as AIDS and malaria.

PART 4 - THE RULE OF LIFE

From the most ancient times a rule of life has been seen to be true: insects breed insects, birds breed birds, cows breed cows and humans breed humans. If you take acorns from an oak tree and plant them the result is more oak trees. Creatures and plants remain true to type, faithfully passing on their characteristics from generation to generation. Where there are slight variations, for example in skin pigmentation or in the coloring of flowers, then these too can usually be traced down the generations. The basis of life has been remarkably stable considering its complexity.

FIGURE 1 (T: TALL; S: SHORT)

Mother	Father
T S	T S

Both these plants have a tall gene in the pair so both are tall.

FIGURE 2

- | | | |
|-----------|----------------------|---------------|
| 1. | Mother | Father |
| | T | T |
| | A tall plant | |
| 2. | Mother | Father |
| | T | S |
| | A tall plant | |
| 3. | Mother | Father |
| | S | T |
| | A tall plant | |
| 4. | Mother | Father |
| | S | S |
| | A short plant | |

AN AUSTRIAN MONK

In order to understand the mechanism of inheritance, we need to start in an Austrian monastery around 1760, in the potting sheds of a gardener called George Mendel. This monk was curious to know what would happen if he took pollen from one type of plant and used it to fertilize another. Would the pollen be accepted? Would it succeed in fertilizing the plant? If it did, would seed result which would germinate? Finally, when it germinated, what kind of plant would grow?

For thousands of years previously such attempts had been made with animals. For instance, in the time of Jesus, it was common to allow a horse to mate with a donkey: the result was a cross-fertilized egg which went on to develop into a rather strange-looking creature at birth. The creature had some of the best characteristics of both parents and was known as a mule. This new species had one important drawback: you could not breed from it because it was always sterile.

Hundreds of others examples could be given over previous centuries of selective breeding - indeed Jacob in the Old Testament seemed to know what he was doing in selectively breeding white and black sheep to produce a herd entirely colored as he wanted, at a time when sheep ownership was being determined solely by coloring of their woolen coats.

CROSS-FERTILIZATION

Mendel was interested in all this. Moreover the monastery stood to gain from improved strains of cereal plants. Mendel found that when he cross-fertilized closely related plants with obvious differences, he got neither a mix nor equal numbers of a each type. Instead he found a curious pattern. After a while he found he could predict in advance not only what variations he would see, but also how many of them. He realized that in each seed there was a lot more information stored than would ever be used to form the new plant.

Some of this information it seemed was hidden away in many plants and only expressed when cross-fertilization took place. It seemed like each plant had its own strong and weak features. Weak features only came to the surface under certain circumstances. These strong features have become known as "dominant" while those which tend to be hidden away are called "recessive".

This same information and understanding is used daily in dozens of genetic engineering laboratories all over the world. When he cross-fertilized tall and short varieties of the same plants he found he always ended up with seeds that produced plants in a fixed ratio of three tall to one short. From this he proposed a theory which was to revolutionize our thinking about breeding.

**IT'S ALL A MATTER OF FREEDOM
WARNING! Liberty of Conscience Threatened!**

The principles of Liberty of Conscience as protected by the United States Constitution are presently under attack and if the New Church State Government (New World Order) ever comes to power, a repetition of the persecution of the Dark Ages is sure to be repeated. The importance of protecting these principles were understood by the Fathers of the Reformation and of the United States Constitution. And unless the world wakes up to uphold these principles, we will soon see the power of the Beast re-enacted to destroy these principles and those who cherish them.

The most sacred principle of the United States Constitution is the equality of every citizen before the law. But the fundamental principle of the New Church and State Government (New World Order) will be the denial of that equality.



Liberty of conscience is proclaimed by the United States, a most sacred principle which every citizen must uphold, even at the price of his blood. But liberty of conscience will be declared by the Church and State Government (New World Order), a most godless, unholy, and diabolical thing which every citizen must abhor and destroy at any cost.

The American Constitution assures the absolute independence of the civil from the ecclesiastical or church power; but the Church and State Government (New World Order) will declare that such independence is an impiety and revolt against God.

The American Constitution leaves every man free to

serve God according to the dictates of his conscience; but the Church and State Government (New World Order) will declare that no man has ever had such a right, and that the Church and State Government (New World Order) alone can know and say what man must believe and do.

The Constitution of the United States denies the right for anybody to punish any other for differing from him in religion; but the Church and State Government (New World Order) will say that it has the right to punish with the confiscation of their goods, or the penalty of death, those who differ in faith from the Church and State Government (New World Order).

The United States have established schools all over their immense territories, where they invite the peoples to send their children, that they may cultivate their intelligence and become good and useful citizens. But the Church and State Government (New World Order), will publicly curse all those schools, and forbid their children to attend them, under pain of excommunication in this world and damnation in the next.

The Constitution of the United States is based on the principle that the people are the primary source of all civil power. But the Church and State Government (New World Order), will proclaim that this principle is impious and heretical. It will say that all government must rest upon the foundation of the Catholic faith; with the pope alone as the legitimate and infallible source and interpreter of the law.

HERBS AND PLANTS

Traditional and Modern Use of Fresh Herbs

THEORY

Physicians and Master Herbalists have long known that fresh plants provide the best medicinal action.

A recent advance in herb technology and research (fresh freeze-drying) allows maintenance of the natural potency of most herbs by preserving all the biologically active constituents of the fresh plant. In many instances, improved or unique therapeutic action has resulted. Critical components of fresh plants are often lost in alcohol extraction and common drying methods. Fresh herbs should retain their smell, taste, and color.

HERBS AND BODY SYSTEMS

The strategies that herbal practitioners adopt to prevent illness or restore health in their patients are different in the many and varied herbal traditions across the planet, but the effects that herbal medicines have within the body to improve health do not vary. There are many thousand of medicinal plants in use throughout the world, with a tremendous range of actions and degrees of potency. Most have a specific action on particular body systems and are known to be suitable for treating certain types of ailments.

DIGESTION, RESPIRATION & CIRCULATION

Improving the quality of the diet is often an essential starting point in sustaining or regaining good health. The saying "You are what you eat" is by and large true, though herbalists prefer to qualify it, saying "You are what you absorb from what you eat." Herbal medicines not only provide nutrients but when needed they also strengthen and support the action of the digestive system, speeding up the rate of processing food and improving the absorption of nutrients.

The body requires another kind of "nutrient" to function - oxygen. The lungs and respiratory system can be helped with herbs that relax the bronchial muscles and stimulate respiration.

Once taken in by the body, nutrients and medicines are carried to the body's estimated three trillion cells. The circulatory system has a remarkable ability to adapt to an endlessly shifting pattern of demand. At rest, the

flow of blood is mainly toward the center of the body; when active, the muscles in the limbs make huge demands. Herbal medicines work to encourage the circulation in particular ways. Some, for example, encourage blood to flow to the surface of the body; others stimulate the heart to pump more efficiently, and others relax the muscles of the arteries, lowering blood pressure.

CLEARING TOXICITY & SOOTHING SKIN

After the circulation has carried nutrients to the cells, waste matter must be removed. All too often in our polluted world, high levels of toxicity in the body are an underlying cause of ill health, and herbalists use a wide range of cleansing herbs that improve the body's ability to remove toxins. Perhaps the finest example of a detoxifying herb is burdock (*Arctium lappa*) which is used extensively in both Western and Chinese medicine. Once herbs such as this reduce the toxic "load," the body is able to invest greater resources in repairing and strengthening damaged tissue and weakened organs.

The skin also plays an important role in good health. Antiseptic plants fight infection, and vulnerary (wound healing) herbs such as comfrey (*Symphytum officinale*) encourage blood clotting and help speed the healing of wounds.

NERVOUS, ENDOCRINE & IMMUNE SYSTEM

Good health depends on having a healthy balanced nervous system. In order to ensure long-term good health of the nervous system, it is important to adapt well to daily demands, to avoid excessive anxiety, worry, or depression, and to get sufficient rest and exercise.

The latest research suggests that the nervous system does not work in isolation. It is complemented by the endocrine system, which controls the release of a whole symphony of hormones, including the sex hormones, which control fertility and often affect vitality and mood.

The nervous system is also intimately linked with the immune system, which controls the ability to resist infection and to recover from illness and injury. This incredible complex of systems - part electrical - part chemical, part mechanical - must function harmoniously if good health is to be maintained. In health, the body

few have seen it happening or understood the consequences. What about the consequences, and how we respond to them?

For centuries, people have dreamed of being able to alter themselves, or each other or of being able to produce "clones". More recently parents have thought not only of choosing the sex of their children but also of being able to influence the development of their children to produce high intelligence, attractive personality, healthy constitution, athletic body, musical ability and maybe even an obedient nature!

Farmers have dreamed of low fat cows, non-bruised tomatoes, cold-resistant bananas, corn which comes up year after year without seeding and other strange creations.

Parents of children with inherited diseases such as cystic fibrosis, where the lung problems are a result of faulty genetic code have dreamed of a day when doctors might be able to program the faulty gene back.

Those with AIDS have dreamed of a cure for HIV infection, reversing the damage done to cells by the virus called HIV, which programs white cells to produce more viruses instead of fighting infection.

To say that all these things are already possible would be a gross exaggeration. However, as we will see, the machinery and knowledge is already here and the experience will be before long. But before we look at what is happening now we need to see the "genetic revolution" in an historical context.

PART 2 - THE NEW INDUSTRIAL REVOLUTION

Into this new computerized age, we now add the age of the gene, with greater potential to help than the microchip, and possibly (if the technology is used unwisely for peaceful or military purposes) the power to harm of a dozen nuclear reactors or atomic bombs.

The Bio-revolution is being developed under exactly the same pressures as the computer revolution or any other of the major discoveries this century: it is driven by curiosity, together with commercial interest built on urgent human need. So what are the human needs? It is also built on the discoveries of the past, in particular the progress in computer technology.

PART 3 - PLEASURE TODAY; NIGHTMARE TOMORROW

In this new millennium, we are faced with a series of nightmares that are so hellish that most of us manage to avoid thinking about them. Global warming is one among others such as:

1. Energy Shortage:

One-third of the world, the affluent, will largely have burnt out all the main sources of oil and gas in this generation. Coal will remain but will be scarce and expensive. How are we going to keep warm or powered up in tomorrow's world?

2. Materials shortage:

Industry uses power, iron ore, aluminum, plastics from oil, stone, wood, gold, silver, diamonds. The resources will run out faster. Scarcer resources carried further at greater cost will create further hyper-inflation in many countries, and possibly bankruptcy for some of the most vulnerable..

3. Oxygen Shortage:

Then there is the problem of food - or rather also the problem of oxygen. Global warming happens when the carbon dioxide we breathe out, also released by burning fuels, rises in the atmosphere, trapping the heat of the sun. Carbon dioxide rises as oxygen falls.

4. Massive Epidemics:

There is another historic fact which tends to follow a higher density of people - especially where population or cities have grown fast: epidemics of disease or plagues.

By the mid 1980s, there was hardly a country in the world not admitting it had been hit by new worldwide plague, spreading faster than scientists had the techniques to monitor it. Known as the silent killer, it had the capacity to destroy countries for some 10 to 20 years before the devastating effects were fully seen: the disease AIDS which is a result of infection by a virus called HIV for up to 20 years prior to obvious disease and subsequent death.

This virus has already infected 10 million worldwide. The death toll from AIDS has already exceeded double that from the Vietnam War, with a total of almost a million infected and likely to need care in the future. In Africa, a silent holocaust has already taken place among the young, with a million deaths already of which a great number have been children or babies infected through the womb. In some areas one adult in three is already infected. At least one country is giving reliable test survey figures showing infection levels as high as one adult in eight throughout the entire population, including the most inaccessible rural areas.

These are just a few of the problems we will be confronted with. Progress measured by the microchip, the petrol engine, the discovery of antibiotics, burning earth to make steel, burning coal to make power - none of these society changing discoveries bring any answers. In fact, these discoveries have simply added to the growing problems of increasing consumption of resources, and increasing population as general health rises and child mortality falls.

INTRODUCTION

This research on the cell and cloning combines excerpts and adaptation of the book "The Genetic Revolution" written by Patrick Dixon, MD., and the whole concept of the Brain Nerves as presented by Numbers 1317.



"The brain nerves that connect with the whole system are the only medium through which heaven communicates with man and affects his inmost life." Education p. 209.

Cloning: wonder or Abomination

IN THE BEGINNING LAST "FIXED" GENETIC CODE

From the most ancient times, generations have come and gone: individuals have formed relationships, married, conceived and brought up children quite literally in the image of themselves. Out of this experience of oneness (however transient) has come with conception a unique historical event: a fusion of their two lives and individuality to form a brand new mix of them

both as a new child is born. Yet for the generation born this year, or next, it could be the end of the line.

The generation being born now may well be the last to have a "fixed" genetic code, inherited universally in a conventional way. As we will begin to see, there may be few alive in 30 years time who have not had the genetic code of at least some of their cells reprogrammed away from what they naturally inherited. For some, they will acquire genetic changes which will outlast their own lives because they will be passed on to their children, their grandchildren and their great grandchildren. Subsequent generations will have to judge whether this is a blessing or a biological curse.

PART 1 - THE BOOK OF LIFE

The quite extraordinary thing about the code of life is that it is so constant: the smallest most primitive living organism to the largest has a book of life written in exactly the same language and structured in an identical way. For evolutionists this comes as no surprise, neither does it to those who believe the Genesis account as truth and that when God spoke the language of creation he spoke in the language of life, or genetic code.

This mystery of life itself is about to be broken, in the test tube of the laboratory and in the brain of the desktop micro-computer. It is happening right now in front of our eyes yet

has a seemingly infinite capacity, via its controlling systems, to adjust and change to external pressures. The ability to adapt to the external world while the body's internal workings remain constant is known as homeostasis.

Many herbs work with the immune, nervous, and endocrine systems to help the body adapt more effectively to stresses and strains of all kinds - physical, mental, emotional, and even spiritual. They are effective because they work in tune with the body's processes.

Some herbs are adaptogenic, meaning that they have the ability to help people to adapt, either by supporting the nervous system and easing nervous and emotional tension or by working directly with the body's own physiologic processes to maintain health. The prime example of an adaptogenic herb is ginseng (*Panax ginseng*) which is an effective remedy at times of great mental or physical stress, but in certain cases can also be taken when a relaxing effect is required, for example, to relieve headache or to ensure a good night's sleep.

COMPLEX NATURAL MEDICINES

As can be seen, an herb is not a "magic bullet" with a single action, but a complex natural medicine composed of many active constituents that work on different body systems. By combining scientific research into active constituents with clinical observation and traditional knowledge of the whole plant, we can develop a rounded picture of each herb's range of medicinal uses. (EXCERPTS FROM THE ENCYCLOPEDIA OF MEDICINAL PLANTS)

HERBS AND PLANTS: PRACTICAL

The following information on fresh and freeze-dried herb use is compiled from traditional modern herb books and various articles and research. This information is summarized for its educational value and should not be used for the diagnosis, treatment, or prevention of disease. It should not be used to promote the sale of any product nor replace the services of a physician.

Burdock: Blood Cleanser, good for skin eruptions, mild immune stimulant. 1-2 capsules, 1-3 times per day.

Cayenne: Stimulant, improves circulation, aid utilization of other herbs, stimulates digestion and appetite, has been used in asthma.

Chaparral: Liver cleansing, skin problems, arthritis, tumors, (freeze-drying retains oils, saponins, resins) 1-3 capsules, 1-3 times per day.

Comfrey: For gastrointestinal (and other mucous membrane) disorders including ulcers and irritable bowels, aids digestion and relieves gas, soothes respiratory passages, good topically on wounds. (Freeze-drying uniquely maintains mucilaginous properties for good coating action).

Dandelion: Excellent diuretic (leaf) and liver tonic (root), aids in weight loss, lowers cholesterol and blood pressure, (freeze-drying retains the milky sap giving stronger diuretic action). 1-2 capsules, 1-3 times per day.

Echinacea: Stimulates the immune system in colds, flu, sore throat, allergy, chronic viruses and immune deficiency, (freeze-drying maintains anti-microbial and immune stimulating properties best by preserving the important volatile oil and mucopolysaccharide). 1-2 capsules, 1-4 times per day as needed.

Feverfew: 1 capsule per day to prevent migraine headaches, 2 capsules for headaches or rheumatic inflammation (only works freeze-dried or fresh).

Goldenseal: Immune stimulation, for colds, flu, infection, appetite stimulant; can be used topically or as an eyewash when diluted. (Freeze-dried is very potent). 1-2 capsules, 1-3 times per day.

Hawthorne: Strong heart tonic, strengthens heart muscle and improves coronary blood pressure. 1-2 capsules, 1-3 times per day.

Horsetail: Good diuretic, lowers blood pressure and edema, flushes kidneys. 1-2 capsules, 1-3 times per day.

Nettles: For relief of allergies to pollen (hayfever) molds, dust and animal hair; for food allergies or sensitivities, take 2 with each meal; also helps allergic headaches, asthma, and candidiasis. (This dramatic new allergy relief action occurs only with freeze-dried nettles because the critical biochemical components of the stinging hairs have been preserved). 2 capsules, 1-4 times per day.

PURPOSE

To prove without a shadow of a doubt that the Creator of man and every living thing, is the perfect **Genetic Engineer**. Any attempt to imitate or clone His magnificent work is a base crime of the worst kind.

WARNING

Could it be that the history of this century's holocausts is repeated under our very eyes but under more sophisticated appellations: GENETIC ENGINEERING, CLONING, FETAL TRANSPLANTS, SCIENTIFIC RESEARCH, FOOD ENGINEERING.

We would do well to remember Hitler's "pure blond race" and dwell on these dramatic words written under inspiration:

"But if there was a sin above another which called for the destruction of the race by the flood, it was the base crime of amalgamation of man and beast which defaced the image of God and caused confusion everywhere.... Every species of animal which God created was preserved in the ark. The confused species which God did not create, which were the result of amalgamation, were destroyed by the flood. Since the flood, there has been amalgamation of man and beast, as may be seen in the almost endless varieties of species of animals, and in certain races of men." Spirit of Prophecy, Volume 1 page 69, 78.

Oat: Nutritive herb that soothes the nervous system, rebuilds energy in a weakened system - good aid for breaking addictive habits. (Fresh freeze-drying preserves the nutritive qualities). 2 capsules: 1-4 times per day.

Passion Flower: Antispasmodic and strong nerve sedative; good for worry, anxiety, menstrual depression/anxiety, induces restful sleep. (Very potent in freeze-dried form). 2-4 capsules as needed.

Red Clover: Strong blood purifier and cleanser, nutritive to nervous system; aids spasmodic cough, ulcerations and tumors. (Fresh freeze-drying is very potent).

Red Raspberry: Relieves nausea, improves uterine tone and blood supply; may prevent premature labor and improve milk production - good overall pregnancy herb in small daily doses. 1-2 capsules, 1-3 times per day.

Valerian: Strong sedative for anxiety, insomnia due to excessive worry or depression, mild pain relief. (Freeze-drying preserves the critical volatile oils). 2-4 capsules as needed.

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FASTING

1. As a Remedy for Disease

Intemperate eating is often the cause of sickness, and what nature most needs is to be relieved of the undue burden that has been placed upon her. In many cases of sickness, the very best remedy is for the patient to fast for a meal or two, that the overworked organs of digestion may have an opportunity to rest. A fruit diet for a few days has often brought great relief to brain workers. Many times a short period of entire abstinence from food, followed by simple, moderate eating, has led to recovery through nature's own recuperative effort. An abstemious diet for a month or two would convince many sufferers that the path of self-denial is the path to health.

2. When Diseases Occur

Indulging in eating too frequently, and in too large quantities, overtaxes the digestive organs, and produces a feverish state of the system. The blood becomes impure, and then diseases of various kinds occur. . . The sufferers in such cases can do for themselves that which others cannot do as well for them. They should commence to relieve nature of the load they have forced upon her. They should remove the cause. Fast a short time, and give the stomach a chance for rest. Reduce the feverish state of the system by a careful and understanding application of water. These efforts will help nature in her struggles to free the system of impurities.

3. Fast Greater Benefits than Medicine in Some Cases

Persons who have indulged their appetite to eat freely of meat, highly seasoned gravies, and various kinds of rich cakes and preserves, cannot immediately relish a plain, wholesome, and nutritious diet. Their taste is so perverted that they have no appetite for a wholesome diet of fruits, plain bread, and vegetables. They need not expect to relish at first food so different from that which they have been indulging themselves to eat. If they cannot at first enjoy plain food, they should fast until they can. That fast will prove to them of greater benefit than medicine, for the abused stomach will find that rest which it has long needed, and real hunger can be satisfied with a plain diet. It will take time for the taste to recover from the abuses which it has received, and to gain its natural tone. But perseverance in a self-denying course of eating and drinking will soon make plain, wholesome food palatable, and it will soon be eaten with greater satisfaction than the epicure enjoys over his rich dainties.

4. Slave to Appetite

Because it is the fashion, in harmony with morbid appetite, rich cake, pies, and puddings, and every hurtful thing, are crowded into the stomach. The table must be loaded down with a variety, or the depraved appetite cannot be satisfied. In the morning, these slaves to appetite often have impure breath, and a furred tongue. They do not

enjoy health, and wonder why they suffer with pains, headaches, and various ills. Many eat three times a day, and again just before going to bed. In a short time the digestive organs are worn out, for they have had no time to rest. These become miserable dyspeptics, and wonder what has made them so. The cause has brought the sure result. A second meal should never be eaten until the stomach has had time to rest from the labor of digesting the preceding meal. If a third meal be eaten at all, it should be light, and several hours before going to bed.

Many are so devoted to intemperance that they will not change their course of indulging in gluttony under any considerations. They would sooner sacrifice health, and die prematurely, than to restrain their intemperate appetite. And there are many who are ignorant of the relation their eating and drinking has to health. Could such be enlightened, they might have moral courage to deny the appetite, and eat more sparingly, and of that food alone which was healthful, and by their own course of action save themselves a great amount of suffering.

5. Appropriate Epitaphs

Scanty, ill-cooked food depraves the blood by weakening the blood-making organs. It deranges the system, and brings on disease, with its accompaniment of irritable nerves and bad tempers. The victims of poor cookery are numbered by thousands and tens of thousands. Over many graves might be written: "Died because of poor cooking;" "Died of an abused stomach."

6. In Case of Severe Fever

In cases of severe fever, abstinence from food for a short time will lessen the fever, and make the use of water more effectual. But the acting physician needs to understand the real condition of the patient, and not allow him to be restricted in diet for a great length of time until his system becomes enfeebled. While the fever is raging, food may irritate and excite the blood; but as soon as the strength of the fever is broken, nourishment should be given in a careful, judicious manner. If food is withheld too long, the stomach's craving for it will create fever, which will be relieved by a proper allowance of food of a right quality. It gives nature something to work upon. If there is a great desire expressed for food, even during the fever, to gratify that desire with a moderate amount of simple food would be

less injurious than for the patient to be denied. When he can get his mind upon nothing else, nature will not be overburdened with a small portion of simple food.

7. The Enemy Controls the Mind Through Appetite

Through appetite, Satan controls the mind and the whole being. Thousands who might have lived, have passed into the grave, physical, mental, and moral wrecks, because they sacrificed all their powers to the indulgence of appetite. The necessity for the men of this generation to call to their aid the power of the will, strengthened by the grace of God, in order to withstand the temptations of Satan, and resist the least indulgence of perverted appetite, is far greater than it was several generations ago. But the present generation have less power of self-control than had those who lived then.

8. The True Fast

The true fasting which should be recommended to all, is abstinence from every stimulating kind of food, and the proper use of wholesome, simple food, which God has provided in abundance {fruits, nuts, vegetable and grain}. Men need to think less about what they shall eat and drink of temporal food, and much more in regard to the food from heaven, that will give tone and vitality to the whole religious experience.

9. Most Practical Fast

Fast for a Day or Two a Week

There are some who would be benefited more by abstinence from food for a day or two every week than by any amount of treatment or medical advice. To fast one day a week would be of incalculable benefit to them.

Biblical Advice on Fasting

"And Jesus said unto them, Because of your unbelief: for verily I say unto you, If ye have faith as a grain of mustard seed, ye shall say unto this mountain, Remove hence to yonder place; and it shall remove; and nothing shall be impossible unto you. Howbeit this kind goeth not out but by prayer and fasting." Matthew 17, 20, 21.

Note: Although dealing with demon possession, this spiritual advice from our Lord has proven effective in the case of addiction.

Bibliography:

E. G. White, Counsels on Diet and Foods, p. 185-191, 158, 167, 257.