

acid and it would be the same as testing the products themselves.
This is false obviously.

No. 3 The Dow experts testified and demonstrated in court that adding the KOCH products to water, boiling water or to steam under pressure did not change any of them to any acid, as to be changed to acid they would acquire hydroxyl groups which their tests proved were not formed. This testimony was never rebutted but ignored by the F&DA. and ever since they have branded the Koch products as Glyoxylic acid. without making any tests to prove it, and in spite of the DOW scientists proofs that the Koch products are polymers and not acids at all.

No. 4. There were no clinical tests, extensive and proof convincing, that the Koch products had no therapeutic value, and were only distilled water. Only 3 of 4 ampoules of the genuine Koch material was tested and immediately afterward when the patients showed improvement they were given a different drug to get the credit. This is not scientific testing, but fraudulent, and to draw conclusions from a few such tests is fraud.

No. 5. The F&DA made up some ampoules of parabenzquinone, and gave them to a half dozen chronic female gonorrhea cases. The patients on return were given some other remedy to claim the cures but one patient did not return for follow-up and did not return until her cure was complete on only the benzquinone. Her case got into the files and we demonstrated the fact in court. Thus they themselves proved that parabenzquinone is able to cure chronic female gonorrhea, and this fact in the federal court records contradicts the statements in the reply letters of the F&DA.

So NO EXTENSIVE CHEMICAL OR CLINICAL TESTS WERE MADE ON THE KOCH PRODUCTS BUT FRAUD AND DECEPTION WAS USED TO DISCREDIT THEM DURING THE TRIALS AND EVER SINCE.

NO. 6, A further fraud was perpetrated with the cooperation of Thomas Reynolds and the Federal Court in Tyler Texas. He peddled an imitation or misbranded ampoule which he labeled GENUINE KOCH GLYOXYLIDE, Koch TREATMENT etc. and sold and advertised interstate. We asked the F&DA and FTC to stop this fraud. It took a year of prodding to get them to act. They finally made him agree to continue to receive and distribute in interstate commerce this substitute and to be arrested, punished etc, but NOT HURT as the records show. Then with each judgement against him the GENUINE KOCH GLYOXYLIDE was given the works by RELEASES by JANNSEN and others which are noted in the CLOSED SHUTTER reports.

No. 7, It is my opinion that a bureaucracy that stoops to such fraud to block the Glyoxylide progress in serving the sick needs to be taken to court and stopped.

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DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
FOOD AND DRUG ADMINISTRATION
WASHINGTON 25, D. C.

October 8, 1962

Mr. B. L. Swann
510 Russell Street
Covington, Kentucky

Dear Mr. Swann:

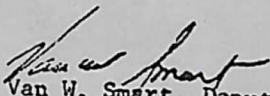
This is in reply to your letter of September 28 in which you inquire if there are any legal reasons why you cannot import ampoules of "Koch's Glyoxylide" from Brazil.

Dr. William F. Koch's products, "Glyoxylide" and "Parabenzoquinone", have been thoroughly investigated by the Food and Drug Administration both chemically and through actual controlled clinical experiments on both humans and animals. As far as can be determined, the products consist of nothing more or less than distilled water, and have no more value than distilled water in the treatment of such serious diseases as cancer, tuberculosis, diabetes, arthritis and poliomyelitis, for which they have long been recommended and used.

In addition to the findings by the Food and Drug Administration, the U. S. Court of Appeals for the Sixth Circuit rendered a decision on July 8, 1953 upholding the Federal Trade Commission in an order directing Louis G. Koch and William F. Koch to cease and desist from advertising that "Glyoxylide" and "Parabenzoquinone" are effective in the treatment of cancer and other serious diseases. The Court of Appeals in its decision declared, in part, "the record as a whole supports the findings of the Commission (Federal Trade Commission) that the representations were misleading and false in material matters, that the products have no therapeutic value".

Since the product would violate the Federal Food, Drug, and Cosmetic Act, if offered for importation into this country, we would have no alternative to its exclusion.

Sincerely yours,


Van W. Smart, Deputy Director
Division of Regulatory Management
Bureau of Enforcement

4

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
FOOD AND DRUG ADMINISTRATION
WASHINGTON 25, D. C.

October 25, 1962

Mr. B. L. Swann
510 Russell
Covington, Kentucky

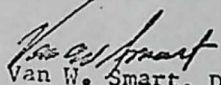
Dear Mr. Swann:

This replies to your letter of October 12, further concerning the status of "Koch's Glyoxylide" and "Parabenzoquinone," under the Federal Food, Drug, and Cosmetic Act.

We believe our letter of October 8 fully explained the status of the products under the Federal Food, Drug, and Cosmetic Act. The chemical examinations and actual controlled clinical experiments done by the Food and Drug Administration have convincingly proved that the products have no therapeutic value. Thus they are illegal under the Act and cannot be legally shipped in interstate commerce or imported into this country.

We are enclosing a copy of the Act and wish to call your attention to Chapter VIII, Section 801(a) which specifically deals with imports and exports. You will note the import provisions prohibit the importation of articles which have been found to be illegal in cosmetic commerce.

Sincerely yours,


Van W. Smart, Deputy Director
Division of Regulatory Management
Bureau of Enforcement

Enclosure
FDC Act

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
FOOD AND DRUG ADMINISTRATION
WASHINGTON 25, D. C.

January 21, 1963

Miss Jennie Hanoka
1610 North West 9th Avenue
Miami 36, Florida

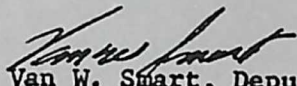
Dear Miss Hanoka:

This is in reply to your letter of December 27, 1962 in which you ask how the Federal Trade Commission proved the chemical and clinical analyses of the Koch products.

You will note in our letter of November 19, 1962 to you, we stated the investigation of the Koch products, "Glyoxylide" and "Parabenzquinone" was made by the Food and Drug Administration both chemically and through actual controlled clinical experiments on both humans and animals. This was testified to in Federal Court.

We do not know whether any tests were made by the Federal Trade Commission, but we are referring your letter of January 17 to them for reply.

Sincerely yours, .


Van W. Smart, Deputy Director
Division of Regulatory Management
Bureau of Enforcement

false



HOLLIS S. INGRAHAM, M. D.
COMMISSIONER

STATE OF NEW YORK
DEPARTMENT OF HEALTH

84 HOLLAND AVENUE
ALBANY 8

June 25, 1963

DIVISION OF
CHRONIC DISEASE SERVICES

I. JAY BRIGHTMAN, M. D.

ASSISTANT COMMISSIONER

BUREAU OF CANCER CONTROL

VINCENT H. HANDY, M. D.

DIRECTOR

N. S. Hanoka, D.D.S.
1610 Northwest 9th Avenue
Miami 36, Florida

Dear Doctor Hanoka:

Governor Rockefeller has requested me to reply to your letter of June 19, 1963. We appreciate your interest in cancer and cancer treatment, but unfortunately the best medical opinion today does not agree with your experience that Doctor Koch's injection treatment will cure cancer.

Cancer is a complex problem, but is one which we feel will be solved by the constant and earnest research work that is going on all over the world.

Sincerely yours,

Vincent H. Handy
Vincent H. Handy, M. D.
Director
Bureau of Cancer Control

*is necessary
not to be
stopped*

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
FOOD AND DRUG ADMINISTRATION
WASHINGTON 25, D.C. 20201

October 7, 1963

Mr. C. O. Baker
R. R. 1, Box 277
Canon City, Colorado 81212

Dear Mr. Baker:

This replies to your letter of September 10, 1963, requesting more information about "Glyoxylide."

In our letter to you of August 15, 1963, we explained our investigation, testing, and evaluation of the Koch Treatment, and you were apprised of the court decision in the Federal Trade Commission case. In your present letter you have additionally requested full details as to all tests performed to prove that Glyoxylide is worthless clinically; where these tests were done; when they were done; by whom they were done; and detailed information concerning various chemical tests which have been conducted on the product Glyoxylide.

We can only answer your questions concerning our chemical and clinical tests in general terms. Due to the time lapse since these studies were conducted, most of the files concerned are now in Federal Archives, and to locate them and prepare the lengthy information you have requested would be difficult and very time consuming.

Physical and chemical tests performed on the Koch Treatment were done by chemists of the Food and Drug Administration. The product tested was obtained from the Koch Laboratories. The men who performed the tests were expert chemists of many years experience.

We can assure you that the clinical testing of Glyoxylide was performed on patients afflicted with a number of types of malignancies by some of the foremost cancer experts in this country. Some of the "Glyoxylide" used in these tests was manufactured by the Koch Laboratories and used as directed by these laboratories. Some of the product used was made by our own chemists following faithfully the manufacturing process outlined to our inspectors by Dr. W. F. Koch. In addition, scores of physicians throughout the country who had ordered the product from the

Full

Koch Laboratories for use in malignant conditions were visited and the course of the patients to whom the treatment was given was followed. In all instances, complete histories were obtained. These investigations demonstrated that the Koch Treatment is of no effect in the mitigation or cure in malignancies.

We hope this answers the questions you had in mind.

Sincerely yours,

G. S. Goldhammer
G. S. Goldhammer, Director
Division of Regulatory Management
Bureau of Enforcement

*Testimony from these
are lies*

INTRODUCTORY STATEMENT

In tissue chemistry there is scarcely a reaction that does not involve or produce a **carbonyl group** as an intermediary or as an end product. And yet its significance in energy production has been overlooked, except in a passing way, by nearly all biochemists. Many **carbonyl groups** do not hold vitally critical positions, and indeed only a few are of deep interest to us. However, these take preference above all other carbonyl groups in the tissue metabolism by the fact that they are "activated." By activation, we mean that their inherent properties have been accentuated, giving them the advantage of being able to carry through all the reactions they are disposed to mediate.

One property is the electro-negativity they possess by virtue of being able to attract and accumulate electrons in the carbon-oxygen double bond. These are mobile electrons, and are designated by the Greek letter pi (π), which are enhanced by migrations of electrons from other electron-contributing groups in the molecule and by electron attracting groups that influence external electrons. For our short discussion we must avoid the many other associated properties though they admit of mathematical expression and hold a great theoretical interest. Those that we will deal with are of high interest to us in matters of health and happiness, our ability to maintain good vitality, and because of the place they hold in the cure of all forms of disease as it affects all cellular life from the smallest micro-organisms to the highest adult tissue cells. They hold the position of a least, common denominator by initiating the normal aerobic metabolism of function and nutrition, and hence their unabridged activity eliminates parasitism in micro-organisms and tissue cells and the virulency associated with pathogenicity.

They thus hold a key position in the great biological economy, and this is due to the fact that they serve as the initiators of oxidative energy production for function and nutrition. And when not blocked in this action, they do away with the need for parasitism in micro-organisms and in tissue cells, and thus also when this ability is restored, pathogenicity is eliminated from bacteria, and neoplasia can no longer exist in tissue cells. So the best way to get rid of infectious disease and neoplasia is to cure the germ or tissue cell of its metabolic deficiency. The purpose now is to show how that is done.

SOLUTION BY DATA FROM THE PARATHYROID INSUFFICIENCY PROBLEM

This study was started over a half century ago when present day techniques of high refinement did not exist, nor did the established theories on atomic structure that are in common practice today. One had to accept data one met and it was necessary to interpret it on the basis of crude results one was able to elicit.

It was back in 1912 when the writer was given a position of opportunity at the University of Michigan laboratory and budget facilities that provided facilities to investigate the function of the parathyroid glands. The subject had been investigated by the eminent physiologist Carlson of the University of Chicago, and by others who reported that the parathyroid glands controlled the calcium metabolism of the body. They based the conclusion on the finding that the fatal convulsions that followed removal of these glands could be ameliorated by injections of calcium solutions and because excessive amounts of calcium were eliminated in the urines during parathyroid deficiency.

However, it was evident to one, that other solutions of salts as sodium

chloride and even distilled water also ameliorated the convulsions but only so long as the kidneys could eliminate, and the same fact held for the calcium injections as well. So it was evident that the benefit came from washing a toxic convulsion producing substance from the blood until other changes took place that blocked liver and kidney function. One therefore set out to isolate the toxic substances from the urine that caused the convulsions and other fatal changes observed at autopsy. These were primarily a loss of the colloidal dispersion of the blood contents so that they separated as striated clots in the large veins and capillaries before death took place.

Analysis of the urines after parathyroidectomy in dogs yielded two toxic bases, methyl guanidin and guanidin that were present in fatal amounts and which caused the fatal convulsions and the other pathological changes. The results were published in the *Journal of Biological Chemistry* of 1912 and 1913, and were fully confirmed 3 years later by the department of physiology of the University of Glasgow, and for the excellency of their work in this confirmation they were awarded the Triennial Prize in Medicine from Harvard University. My work was thereby confirmed and I set about learning how guanidin did its mischief.

One significant finding was that the urines carried large amounts of lactic acid which meant that the oxidation mechanism was too badly handicapped to provide the energy for the tissue activities including the convulsions. So, too, the autopsy findings of striated blood clots meant that the tissue colloids were not sufficiently charged to give them good dispersion especially in the blood which let the elements settle out, and also reduced their fluidity and carrying power of oxygen calcium and other elements. So the sum-total meant that the oxidation mechanism was blocked by the guanidin bases.

Two facts stood strikingly in mind, namely that the amine groups of guanidin were highly activated by conjugation with the imide group which made them highly reactive toward condensing with carbonyl groups to form axomethine condensations, whereas when the nitrogen atom of the imide group was replaced by oxygen as in urea, these urea amine groups were not-toxic, and did not bother anything. The second striking fact was that carbonyl groups could inactivate them. So it appeared that guanidin had, with its two amine groups, condensed with and inactivated two united carbonyl groups. So one provisionally concluded that guanidin had blocked the tissue oxidations and thus the tissues that survived longest after parathyroidectomy were richest provided with a two chain carbonyl group system that started the tissue oxidations, and the longest surviving tissue was observed to be the heart muscle. So in heart muscle one expected to find an activated carbonyl group as referred to previously, a group that took the preference over all the other carbonyl groups as a dehydrogenator, for the double bonds of each adjacent carbonyl group must activate the other, and increase the electron content in its small area.

So one concluded that Heart Muscle carried the two adjacent system of carbonyl groups, (one may look upon this system as one in which the double bonds of one carbonyl group are conjugated with those of the adjacent carbonyl group by the covalent bond in between). The next step was to see if such a carbonyl system aided an inhibited oxidation. It was found that after removing the pancreas no changes took place, for indeed the pancreas had to remain in the animal, and that the pathology was essentially there and not in the tissues in general.

It appeared also that in cancer growth there was no appreciable function, as

2

seen also in their anaplasia, so evidently the carbonyl system was absent. Indeed the carbonyl activation could not be by conjugation with other double bonds as of an ethylenic linkage, so we treated far advanced terminal cases of cancer in three instances where early autopsies were expected, so one could study the changes that followed administration of activated carbonyl groups. Extracts of heart muscle were used and the responses confirmed the hypothesis. All three patients recovered. Then the smallest possible molecules with carbonyl activated by conjugation with other carbonyl group double bonds and with ethylenic double bonds were also fruitful. The heart muscle extracts were reported in the **Medical Record of New York**, on October 30, 1920, and the attempts to make further reports were blocked by the requests of the **Journal of the A.M.A.** made to the official journals to refuse me the right to report my findings further. This blocked further contact with the profession in the official literature, so when the Cancer Quack conventions of the A.M.A. annually proclaim that the sign of the quack is his refusal to report his work in official journals, they are putting on a gigantic fraud. It was so in my case.

The patients treated with glyoxal and methyl glyoxal and by parabenzoquinone as the molecules offering least steric hinderance were put into use in 1918, and especially in 1919 in the official A.M.A. "investigation" of the treatment, and then were augmented by the use of longer chains of carbonyl groups as in Rhodizonic acid, triquinoyl, and the long straight chains, all of which are described in the text, "THE SURVIVAL FACTOR IN NEOPLASTIC AND VIRAL DISEASES," which is available now. The object was to build up the highest carbonyl negativity possible, and indeed in triquinoyl this is attained to such a degree, that the electron content is so high that the molecule is highly unstable and one of the carbonyl tends to jump off and reduce the electron tension.

Later we produced diphenoquinone in which the two carbonyl groups are widely separated, but five intervening ethylenic linkages are in conjugation. This molecule has an oxidation-reduction potential of 0.954 volts as compared with that of parabenzoquinone with its good 0.7 volts. Obviously the dehydrogenating power here is all that is needed to dehydrogenate any member of a biological system, and the dilution of the former must be made appropriately higher than that of parabenzoquinone for treatment uses.

Using the most vigorous dehydrogenators may cause such rapid breakdown of large cancer masses that the products are absorbed more rapidly than the destroyed areas can be healed with normal parenchyma, and when blood vessel walls are involved, serious bleeding can take place. It is therefore advisable to use high dilutions of such substances as Glyoxal, Methyl Glyoxal, triquinoyl and diphenoquinone which are used in concentrations of preferably 10^{-2} , or 10^{-3} and even as high as 10^{-10} concentration, whereas benzoquinone can be used very nicely in 10^{-2} and 10^{-3} concentrations.

And even though the cancer tissue undergoes rapid lysis and adsorption, the process is not a destructive one, but a corrective, constructive one. The reason for a highly rapid disappearance of a malignant tumor instead of a slower one is that more cancer cells are being corrected and absorbed than the healing power can compensate for in a given time. Likewise, in cases that have been heavily irradiated with cobalt isotopes or radium or X-rays, the rapid absorption of the irradiated material may be too great in amount for the patient to contend with systemically, and such cases should be treated with great care if at all.

Recent cases of cobalt application should not be treated, and time must be

awaited until the cobalt effects are worn out as seen by the recurrence of neoplastic progress in the treated lesions.

All of these troubles we avoided by taking our time. Indeed, once the recovery is started it tends to go on as a chain reaction until all traces of neoplastic tissue is digested and absorbed, and understanding that the recovery process is based on the phenomena of the Free Radical, we clear the field of all interfering factors, and let the recovery go on leisurely to completion. So it was when one treated the five officially chosen terminal cases of cancer that served as test cases in the 1919 official A.M.A. investigation, one was satisfied to give only one injection of the remedy and await the results. These results came quicker than the official A.M.A. surgeon committee had expected, and on seeing a man of 72 years of age covered and filled with countless masses of sarcoma, one member of the official committee was panic stricken by the rapid absorption of the cancer growths and advised him to hurry back to his home 300 miles away, for if Koch gave him another dose, he would melt away just as the growths did. He lost no time in leaving. Later it turned out that he was cured, for many years afterward patients came from his town because of the benefits he received from the treatment.

Likewise, the other cases, the four that were left made such startling improvements from their suffering hemorrhagic cachectic conditions that the rest of the committee went panicky and closed the investigation, sending the patients back to their distant homes even to other states with the warning that they were forbidden to receive any further treatments from Koch. However, the phenomena of the chain reaction based on Free Radical properties kept on working and three of these patients were completely cured. One of them that I could observe for 15 years, a stretcher case when brought in to the ward, lived 15 years in perfect health and died as the result of an accident that fractured her skull. But though there were at least 60 per cent, or most likely 80 per cent, of the patients cured, the official A.M.A. committee reported that nothing came of it, and denounced me ever since as a quack. Then, four years afterward in the fall of 1923 when I asked the Medical Society to change their false report to conform to the truth, they refused and abused the effort with further inuendo and falsehoods. So when the A.M.A. Quack Convention comes around again, let them try to hide their red-face!

My thesis suffered further violence following the demonstration of its therapeutic efficiency in Brazil in the summer of 1941, when under the auspices of the Medical Faculty of the University, as led by Professor Renato da Souza Lopez, we cured moderately advanced leprosy, advanced cavitary tuberculosis, terminal cases of cancer of the liver and stomach, terminal cases of rheumatoid arthritis, diabetes, and incurable terminal insanity. The Drug Monopoly led by the Parke Davis Co. representative threatened me with utter extinction so I would never interfere with their affairs down there any more. Three weeks later I was ordered by the U.S. Food and Drug Administration to return to Washington to discuss my labels. I went, and on Good Friday of 1942, I was indicted at Detroit, by a secret closed Grand Jury, without my presence, for fraud and arrested at my home in Florida the same day. Only recently it was from a member of the Grand Jury that I learned that the indictment was won on the testimony of two Parke Davis Co. chemists who swore that my therapy was a fraud and nothing more than distilled water. *Cases*

The next morning at setting the bail, the District Attorney of Miami requested a \$10,000 bail, which the judge thought excessive and required an ex-

planation. The D.A. answered "Last night the D.A. at Detroit who won the indictment phoned me to insist on a \$10,000 bail as Dr. Koch had started work in Brazil and we do not want him to go back and finish it." And then turning to me with a grin of glee he said, "And when the U.S. government gets through with you, Koch, you will be all washed up and not able to go anywhere." The bail was reduced to \$5,000.

In support of Drug Monopoly power over the bureaucracy corruption, the statement of the Assistant Attorney General from Washington who managed the first five month trial is significant. On seeing that he would lose the case, he shouted at me before a crowd, "Koch, we went after you the wrong way this time, but we have ways that never fail, and we will keep after you until you are dead or we have you in jail for the rest of your life, and nothing can stop us."

The next event was the attempt to murder my patient, Mrs. Worley, by an FBI agent, who was at the same time leader of the notorious Detroit's Purple Gang, which the FBI tried to pin on me. But as she recovered from the attack, and even identified her assailant, he was not bothered, and nothing came of it except that I was out of danger of a murder indictment. The A.M.A. Anti-quackery fraud certainly keeps bad company!

The first of all scientists to demonstrate the existence of the Free Radical in Chemistry was Dr. Moses Gomberg and he demonstrated its salient properties. This was back in 1900, when he was professor of Chemistry at the University of Berlin. In 1910 he was my professor at the University of Michigan. His finding which was the most important of the century was much discredited for years, and him with it until the plastic industry that is based on it grew to become a financial giant. But up to 5 or 10 years ago, interest in the Free Radical was held practically—only by a few gas-phase kineticists, and plastic experts. The medical and biochemical professions had entirely passed it by, and for the year up till now to speak of the Free Radical to them was an invitation for abuse.

Indeed as recently as 1946, Dr. Willard Dow, president of the Dow Chemical industries and an expert in Free Radical Chemistry stated,—"Koch is so far ahead of the thinking of his profession that he is not understood and they even ridicule him at times."

So to get my thesis across was absolutely discouraging and even dangerous. Indeed it was on the advice of Dr. Mitchell, long time chairman of the Board of Trustees of the A.M.A., who had investigated the treatment personally himself with curative results, that I kept silent about the therapy, for he told me earnestly in 1924 that I should never tell the basic facts of my thesis, for they could not be understood by the profession and their experts, and they would know no better than to brand them as base frauds,—my most precious truths; and that would ruin me in a court trial the Journal A.M.A. was waiting to pull on me. It would jail me and put an end to the work. In fact this is what the A.M.A. bureaucratic contingent of their conspiracy actually tried to do in 1942 and 1946 in two five month Federal Court trials of daily sessions. But fortunately I had kept my precious Free Radical Thesis under cover and the conspiracy lost its attempts both times. Thereafter I tried out the Free Radical Thesis on men who should have been interested, but it was not until the Great Szent Gyorgyi spoke of a possibility of free radicals having something to do with cancer five years ago that the profession took a deep interest in it, and now every advanced laboratory world-wide is making wonderful progress with the investigation of Free Radicals. In fact recently the Henry Ford Hospital of Detroit announced

the discovery of a Nitrogen Free Radical as diagnostic of cancer, using the electron-spin resonance spectroscopy technique as the means of finding it. So our earliest work of a half century ago is meeting with successful confirmation today.

What is the position of the Free Radical in carcinogenesis and its reversal? Please recall that the activated carbonyl group of function the FCG for short, dehydrogenates fuels and pathogens that enter its field to oxidatively destroy them to liberate energy. If now the dehydrogenation of a virus or carcinogen takes place in the absence of adequate oxygen, the Free Radical that is formed must add to something other than oxygen and the closest position it can take is one of the poles of the double bond that activates the FCG, and here it makes its addition and thus becomes integrated with the energy-producing mechanism. If it is a virus that makes the addition, it is in a favorable place to take energy from the host cell to support its vegetation, and after the cell is exhausted of energy and material, the viral progeny are set loose to swarm outside and infect other cells.

Cancer cells however undergo many reproductions themselves with the virus in symbiosis with it and liberate a comparatively small amount of viral progeny. And of course when the cancer cell dies and breaks up, the virus colony is liberated and can infect other cells of the same type. Even the paralyzing viruses may not always cause a lytic destruction of the host cell but may live in symbiosis with it. Both are inactivated by the Free Radical union they hold as we described.

They behave as if dead, as neither can receive the energy required for activity. The situation is described in the SURVIVAL FACTOR BOOK. However, both are alive and when a sufficiently energetic carbonyl dehydrogenator comes along, it dehydrogenates the pathogen at its point of integration, and here the free radical formed adds molecular oxygen and is split off, leaving the host cell in good functional status while the virus is oxidized further destructively. The return of function to fully paralyzed atrophied limbs for as long as 20 years, with perfect muscle reconstruction demonstrates this fact.

Evolution is a subject of many conflicting and imaginary theories. But one thing is certain that every physician must know. It is that no species can evolve into another species, as the proteins of each are most exquisitely so different that they mutually destroy each other on contact either by a lytic or an agglutination process. So no species can develop into another or ever hybridize with it. However, the patterns of many vital processes may be common to many different species, each modified somewhat to accommodate an adaptation to the environment in which it has to survive.

The oxidation process is one example where a common pattern is evident in many species all the way from the simplest micro-organism to the most differentiated cell of mankind. We described it before. This is not an evolved affair but a universal creation common to aerobic life. Then it is also evident that any interference capable of blocking the oxidation mechanism of one species may also have the same effect on some other species. The inactivation of the functional carbonyl group of a micro-organism may also follow the same pattern of interference as in a human tissue cell. And consequently, the pattern of removal of the interference should apply in both in the like manner.

Interference with bacterial specific created function in the biological economy must also interfere with nutrition, and to survive a similar pattern of parasitism

will be adopted and only altered as differences in environment may dictate. And then too the restoration of an efficient oxidation pattern as we have described must restore both function and nutrition, and so parasitism is no longer possible. Virulence is also eliminated since there is no need to attempt survival by cell reproduction. This thesis is demonstrated abundantly in the Survival Factor text. Two examples taken from it will demonstrate the thoroughness of its proofs.

The first exhibit is a culture plate divided into halves to accommodate the test culture on one side and the control culture on the other. Both were seeded equally with highly virulent hemolytic streptococcus taken from a child, and was highly antibiotic resistant. The test culture was exposed to a solution of the reagent of the text carrying serial systems of carbonyl groups, diluted one part to a billion parts of water in an amount of only one cubic centimeter. The control culture was not disturbed. They were incubated for two weeks and thereafter it is seen that the control culture was heavily invaded with the streptococcus, while the test culture was free. Thus the virulence was wiped out by the reagent. Many tests of the filtrates from such cultures have been made and while the test cultures are nontoxic, the control cultures in equal dilutions are fatally toxic. So the restoration of active carbonyl facility restores health to the organism. It shows no virulence nor pathogenicity. Observations on living animals show that it shows normal biological function.

The other exhibit is of a baby girl of only 4 months of age, who on exploration of the abdomen was found to have a grade IV primary cancer of the liver, 80 per cent of which was involved and of course the whole abdomen besides. She was given the same dosage of the same reagent used on the culture plate. Here the pathogenicity, virulence and parasitism of tissue cells are seen to be reversed to normal by a chain process mediated by the Free Radical sequences initiated by an activated carbonyl group. The chain reaction was not completed until every vestage of neoplastic tissue had been reversed to normal and then digested and absorbed as food material, which, of course, nourished the baby. The photographs show the steady progress of this reaction complex to full normalcy, and, of course, completely and permanently on but one dose of the reagent in a terrifically high dilution—one part per billion. Two months ago she was happily married. So here in animal tissues, the restoration of carbonyl energy produced function is seen to dispose of neoplasia with its pathogenicity, its virulence and its parasitism.

THE PROFESSIONAL-POLITICAL SITUATION

Evidently the Created Pattern of Aerobic Life includes a Redemption principle of protection expressed as tissue instinct, and issuing from an Infinite Wisdom, that any observing biologist must recognize. The complex is Triune, embracing the cardinal features of Christianity. In fact, the first lessons in therapeutics were given by the Good Creator Himself in the Garden of Eden when He told mankind to look to the plants for their cures of the diseases that would come on them. So I searched for the evidence and found it, in six trees, two in each of Africa, Australia, and Brazil. These are curative in cancer and other diseases, as is evident in the chemical structure of each, as they all conform to the rules of structure laid out in this thesis, even though the Australian and African products have not been identified with any medicinal properties. But the two Brazilian products have been used from time immemorial by the natives for cancer and all other diseases with success. The chemical structure of the Brazilian product has not been worked out except as by myself, and published