

THE REPORT ON GERMANIUM

by Karl Loren

HAS THE CURE FOR
CANCER
AND AIDS
FINALLY ARRIVED?

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GERMANIUM

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TABLE OF CONTENTS

PREFACE	Page 9
I'm Not a Doctor!	Page 10
INTRODUCTION	Page 14
Has the Cure for Cancer and AIDS Finally Arrived?	Page 14
Germanium May be The Most Encouraging New Discovery In Man's Fight Against Cancer and AIDS	Page 15
The Mystery Thriller Story Of Germanium!.....	Page 16
SECTION ONE	Page 18
The Politics of Death! Will The American People Listen?	Page 18
If It Looks Like a Duck, Sounds Like a Duck And Waddles Like a Duck, Maybe It is a Duck!	Page 19
SECTION TWO	Page 22
Germanium -- The Key To Life! Germanium And Transistors	Page 22

Ginseng And Garlic	Page 23
A Remarkable Breakthrough In the Understanding Of the Secret of Plant Life!.....	Page 25
Dr. Asai Continued His Research Into Germanium	Page 26
Toxic Level?.....	Page 27
New Publicity.....	Page 31
Original Form of "Germanium"	Page 32
Patent Complexities.....	Page 34
Education Costs More Than The Raw Material Ingredients In The "Pills"	Page 38
Compare The Costs With Drugs!	Page 39
Some Technical Details	Page 40
All Disease is Caused By A Lack of Sufficient Oxygen in the Body!	Page 41
SECTION THREE	Page 46
Startling Anti-Cancer Claim Now Accepted by the US Patent Office	Page 46

Interferon Interferes With a Virus Getting into the Cell	Page 48
I Predict Germanium Will be Classed as a Drug	Page 53
Drug Company Strategy For Marketing a New Drug	Page 54
SECTION FOUR	Page 64
Billions of Profits Available	Page 64
The Inside Story	Page 65
How Can You Tell?	Page 70
SUMMARY	Page 73
Note	Page 74
Footnotes	Page 74

Dedicated to
my mother
MILDA RAUFMAN

Whose death was a mystery to her doctors
But the beginning of a journey insight
For me!

PREFACE

Germanium is one of the elements.¹ There is still no simple description of the differences between a "metal" and a "mineral", but in loose terms, germanium can be referred to as a semi-metal, a metal or a mineral.²

The physical form of germanium of interest to us is more accurately called an "organo metal," meaning that it is an "organic" form of a metal.

An "organic form of a metal is created, for instance, when metal (such as germanium) is in the dirt, and is absorbed through the roots of a plant, and comes up into the plant.

The metal is then "in" the plant in an organic form whereas it had been in the dirt as an inorganic form. In the plant it can be called an "organo metal" -- being an organic form of a metallic substance.

The remainder of this book is divided into an introduction plus four Sections.

The Introduction provides a taste and summary of the Book.

Section One refers to some of the simple, creeping poisons that are killing our people and this planet.

But this Section also lays out the undeniable guilt of certain vested interests -- guilt in the creation and dissemination of those poisons.

As G. Edward Griffin said, "With billions of dollars spent each year in research, with additional billions taken in from the cancer-related sale of drugs, and with vote-hungry politicians promising ever-increasing government programs, we find that, today, there are far more people making a living from cancer than are dying from it."³

Sections Two and Three describe the remarkable scientific breakthroughs into the understanding and the use of germanium to treat and possibly cure cancer and other diseases.

I'M NOT A DOCTOR

Neither Sections Two and Three, nor this Book, is intended to be a complete technical presentation of the mechanisms by which germanium seems to be effective. But, this Book can lead the interested reader to the source of this technical information sources which seem to have been suppressed previously.

I must make this statement, somewhere within this Book.

I am NOT a medical doctor, nor am I any OTHER type of doctor. I do not prescribe medications, nor do I recommend that any person take germanium, or any other substance, because of my report on this substance. Any dosage "comments" in this Book are not my own personal opinions, but merely the reporting of dosages suggested by others, in particular cases. Do not think you can decide on a dosage on the basis of this Book.

Whenever anyone not connected with the drug industry starts getting serious about a "cure for cancer" or a "cure for AIDS", he is only safe from attack by exclaiming his amateur status and disclaiming any technical knowledge.

Reader, my friend, do not be swayed by the mere logic of my words, nor by my references to valid scientific research. I do not hold any degree in medicine, biochemistry, nutrition or any related science.

I have a Masters Degree from the Harvard Business School, served in the White House for several months, have traveled in more than 35 foreign countries, studying the self-help methods of millions of people, and I have a passionate love for my fellow man.

But, I do not give you medical advice when I write about germanium!

Section Three should have been front page screaming head- lines, when the US Patent Office issued the patent described there.

There has never before been a non-toxic substance proven to cause the body to create the most potent anti-cancer, anti-AIDS agent yet discovered - interferon. Read about how germanium, the non-toxic organic mineral seems to be the most promising substance in the flight against cancer and AIDS!

I now have in my possession a startling video tape which shows how cancer cells "defeat" the immune system and how the bodies own interferon, enhanced by taking germanium, actually destroy cancer cells.

I have that video, and plan on showing it at many seminars and meetings where I will be presenting this information in person.

You can call my office to arrange for a seminar in your city, or to find out my schedule of already arranged presentations.

Section Four tells the "mystery thriller story" about the international intrigue and behind-the-scenes megabucks interest in this fantastic new substance. My story has already appeared, in part, in a national newsweekly, *The Spotlight*, but this book has considerably more detail and has new facts that I did not have when I wrote the article for that paper.

It's hard to imagine a subject, and a Book about it, that could have so many last-minute, news breaking developments.

On the final day of revision, just hours before my deadline to deliver the manuscript of this second edition to the printer, I learned that the FDA had just placed an embargo on all imports of germanium from Japan.

Of course I had predicted some action like this, in the first edition of this Book, but when it actually happens it is a new, fresh outrage -- it is never pleasant or easy to face, directly, the suppression that occurs to "others", and now affects you.

Perhaps the most important service I can provide to my fellow man, through this Book, is the identification of the means by which you, dear reader, can be assured of obtaining the authentic germanium material which holds out such promise for mankind.

Since my first Edition was written, I have obtained break-through information on the testing procedure by which a manufacturer of germanium products can verify the authenticity of his claims made for the purity of his germanium.

You will have to make your own decision as to the technical claims made for germanium.

In Section Four I've given data on the commercial availability of this material, and even more importantly, I've given the name of the

only two presently known importers of germanium for whom the source of supply is named and their testing procedure is described.

This is a remarkable breakthrough. At the time of the First Edition, NONE of the germanium being sold in America could be traced back to an actual manufacturer.

Now it can.

In my first edition I recommended the Germanium Institute of North America (GINA) as the only American organization which could provide a sophisticated independent laboratory analysis of a sample to determine whether or not you (or your supplier) have the "real thing."

'Mere is a new development here. At the time of the first edition, GINA was not releasing the details of their testing procedures. Then, the Director, Dr. Kidd, agreed to release these details so that ANY competent laboratory could duplicate the tests. I felt then, and continue to feel, that the testing procedure used to prove the authenticity of this product was of extremely high importance.

When a substance has the potential impact which germanium does, there is no way that secrets will be tolerated by the market place.

A man dying from cancer or AIDS is not interested in companies which have "secrets", and such a man will demand information so he can survive.

Perhaps it is time for a re-dedication of effort to help those groups, like the NUF and Cancer Control Society, and others, who are exposing government suppression of life and health on this planet.

And, likewise, to identify those who pose as "friends," and who spread lies and make it possible for the FDA to attack the truly good guys!

Politicians have already recognized the powerful impact their statements on AIDS can have in the press - representing the strong emotional feelings that arise when a "cure" or 'preventive" is announced.

For whatever reason, Parris Kidd, Director of GINA, said he would release the details of his testing procedure, but then did not.

When I talked to him on the phone, less than five hours from the final typing of this edition, he again offered to make those tests "public".

In another part of this Book I'll describe how I sent germanium material to an independent laboratory for a simple type of testing and the written report suggests that the material was adulterated, despite the fact that GINA had previously tested it as being "OKI".

Dr. Kidd's reaction to this discrepancy was to tell me that the independent lab didn't know how to test the material, but that he did. There is enough doubt in my mind about GINA, at this very late date, that I cannot now recommend GINA for testing germanium. Possibly two days from now, or two months from now, after this Book is printed, I'll have new data, but as of today, I have to conclude that GINA is not a reliable place for testing germanium.

As I said, there is another part of this Book in which I describe some tests I had done, and my suspicions that some of the material I had previously recommended has not tested out properly.

This Book has now been revised from the First Edition. The First Edition sold out very rapidly, and as a result of many people reading it, and calling to ask questions or offer further information, I have written this revision with an entire new Section (Section Three) about "interferon".

Interferon is acknowledged as one of the most promising substances in the fight against cancer and AIDS.

Also, since writing the first Edition, I've traveled to Japan, toured two factories actually manufacturing germanium and learned a very great deal more about the commercial and manufacturing aspects of this fabulous material.

In order to fit all this new information in this Second Edition, I have added many pages and the size of type. I have even more information in my files, and invite you to write with any questions you might have.

I do already have a national speaking tour scheduled, as well as more radio and television appearances.

I, for one, do not intend to allow this story to go untold!

INTRODUCTION

GERMANIUM

HAS THE CURE FOR CANCER AND AIDS FINALLY ARRIVED?

Cancer, AIDS and heart disease are often referred to as 'man-made' diseases - they just didn't exist 100 years ago, and it is well accepted, now, that our "modern" lifestyle and love of bad food have brought these plagues upon us. ⁴

Some of these changes in our lifestyle may have been thrust upon us by people who knew better but wanted to make a buck, and didn't care about our health! ⁵

And, it is very possible that some of these diseases may have been deliberately created by insane high officials who just decided that the planet needed a few new diseases -- a few new ways to reduce the population! ⁶

The possibility that someone could deliberately unleash deadly new diseases in our society is so frightening that a person might prefer to ignore evidence that it could be true.

Yet, there is quite a bit of evidence of that type, and it might be time to look at some of it, and to draw some fresh conclusions.

While I've started this book with the terrifying possibility of deliberately created deadly diseases, I'm delighted to be able to also bring you some help for rescue - in the form of a new substance, germanium.

This is The Report On Germanium, a substance which can bring a ray of hope into the lives of millions now suffering from cancer, AIDS and heart disease.

GERMANIUM MAY BE THE MOST ENCOURAGING NEW DISCOVERY IN MAN'S FIGHT AGAINST CANCER AND AIDS

The world's leading research into the nature of germanium has concluded, would be no exaggeration to call organic germanium an 'elixir' of life. ⁷

I talked, personally, to the medical doctor in charge of an of the AIDS prevention research in Japan. He is working at the highest Japanese Government level of research on AIDS. He has written to officials in charge of research on AIDS within the United States to ten them that germanium is one of the most promising substances which they are studying in Japan. ⁸

The First Edition of this Book was the first publication on germanium which included current information about the commercial availability and sources for this nutrient in the American health market.

Now, this Second Edition includes additional information about the commercial availability of both bulk germanium and consumer sized products.

This Book is also for the reader interested in the technical aspects, and includes plenty of references to other, more detailed scientific sized products.

Americans are going to be deluged with a stream of claims about this substance -- germanium -- during 1987, and increasing into 1988.

Americans who know where to look will hear that the FDA has acted again to suppress the product and the information which show so much promise -- while continuing to approve toxic drugs that make billions for the drug companies.

This Book includes information that was as current as last night's phone call on the vital questions of "who's got germanium for sale?" and "how can you tell if you have the real thing?"

This Book includes exclusive information I just obtained in an intensive tour of Japanese factories and organizations.

This Book will become a "must", I believe, for anyone starting out in his quest for understanding of the subject of germanium, and how it might rescue you from the "fume of chemical pollutants contaminating the environment and your body!"

**THE MYSTERY
THRILLER STORY
OF GERMANIUM**

There is an element of "mystery thriller" connected with the new substance - told here for the first (and possibly only) time!

This Book is being released at the peak of motion and activity in the rush for market position by many of the largest health-oriented companies in the world.⁹

The U.S. market is the world's largest, and germanium promises to be an instant sensation during 1987.

In a world where some drugs sell for as much as \$100,000 per pound, and most vitamin raw materials sell for less than \$30 per pound, along comes germanium, selling currently for about \$4,000 per pound.

That's far above any typical vitamin product, so the possibility of marketing it in vitamin and nutritional channels is very appealing to that industry.

But, it's far below the typical prices in the drug industry, and is not yet under the control of the drug companies. Thus it represents a dangerous threat to the drug industry.

This is a story filled with promise and commercial profit interest.

This is a story of hope for mankind! There are, literally, billions of dollars worth of attention on germanium today.

It is just possible that this Book will have been published in time to head off one of the typical evil deeds of the drug company/FDA cabal. In the course of my investigations, and as reported in this Book, there are already being sold in the market place toxic forms of germanium.

There will be, I predict, some deaths (murders) and illnesses from these deliberately introduced toxic forms and then the FDA will be 'justified' to step in and ban ALL forms of germanium - not just the toxic forms.

There already have been such deaths in Japan, and I have a Japanese publication which lists 48 different germanium products being sold in retail sizes (capsules, tablets and drinks), in Japan, and shows nineteen of them as containing the toxic germanium dioxide.¹⁰

Perhaps publication of this Book, at this early date in the history of germanium, will prevent that course of history from being written in the US and Europe, as germanium gets introduced into those markets!

I'm delighted to inform you that, since the first Edition was published, I have arranged for distribution of this Second Edition in Europe.

SECTION ONE

THE POLITICS OF DEATH!

WILL THE AMERICAN PEOPLE LISTEN?

It is not very difficult to understand how a group of dedicated men, much like those who serve on the Board of your City Community Hospital, gathered together some years ago to address a heavy problem facing our society.

This group was hand-picked by the "highest levels of government" and included specialists and technical experts familiar with the nation's resources and problems.

The purpose of their gathering, "... was to determine, accurately and realistically, the nature of the problems that would confront the United States if and when a condition of 'permanent peace' should arrive, and to draft a program for dealing with this contingency..."¹¹

Traditionally the "solution" to the problem of excess population on the planet has been war, famine and plague. Whether it had been "accidental" or planned as a population control device, war has proven most effective for that purpose!

If war were to be ruled out, these men realized that there could be major disruptions - not only in the economy, but in the very power structure of our country. They wanted to find substitute programs that would accomplish the same political and economic purposes as war.

One of the solutions they recommended was the deliberate introduction by the government of "selective pollution" or diseases which would attack "selected target groups."

**IF IT LOOKS LIKE A DUCK,
SOUNDS LIKE A DUCK
AND WADDLES LIKE A DUCK,
MAYBE IT IS A DUCK!**

Is there any truth in the "conspiracy theory of history' - that hidden evil people really do control the governments on this planet? Does all the data about conspiracy add up to'...by golly, it IS a conspiracy!' just like'...it IS duck!?'?

Don't judge this vital historical and political question only on the basis of the information in this book, but do be aware that our society is beset with spreading contamination in our air and in our bodies. 12 Cancer and AIDS are just two examples of the results of this contamination.

This contamination seems to be "our own fault," does it not, because 'we all know' that we shouldn't smoke, shouldn't eat all that sugar, shouldn't... But we do eat that stuff, don't we!

So, we figure we must be responsible for the consequences. We are. But there may be more than our slothful ways pushing these poisons into our bodies!

So, dear friend, if the spreading contamination around you looks like it might have been deliberate, I invite you to think further down that avenue.

For instance, a secret report made to the government many years ago had these suggestions for assuring the continuation of the government in power:

"The existence of an accepted external menace ... is essential to social cohesiveness as well as to the acceptance of political authority." and

"...gross pollution of the environment can eventually replace the possibility of mass destruction by nuclear weapons as the principal threat to the species. Poisoning of the air, and of the principal sources of food and water supply, is already well advanced..." and

'it is true that the rate of pollution could be increased selectively for this purpose....'¹³

For instance, there was a story in the May 11, 1987 issue of The London Times -- a story which has received practically no publicity in the US - a story which tells of an official investigation that indicates that AIDS was originally created by the World Health Organization - a story that demands investigation.

There is different evidence I have that AIDS was started by the same world "health" agency as a test in Africa, to see if they could create a special type of cancer which would attack only certain people - a war weapon, in other words! I wouldn't admit to the existence of this information unless I knew the material was already safe, and would be published regardless of who might object. 14

There is considerable evidence of high level, deliberate introduction of diseases on this planet, and deliberate suppression of knowledge on how to prevent or cure these diseases.

I believe there is enough of that evidence that you can conclude that"... it IS duck!"

If you go down that avenue of thought, agreeing that there may actually be evil-intentioned people who are trying to damage your health, as I have, you may well conclude, as I have that you only hope for personal survival is to increase your personal knowledge of products and information which can protect your health DESPITE what is being done to undermine it!

It is certainly not necessary for your understanding of germanium that you agree or disagree with the claim that AIDS and some forms of cancer were deliberately introduced into the earth's population as a means of reducing population and increasing governmental control.

But, if you do happen to worry about such a deliberate evil, then you can see the importance to you of finding a substance that offers personal, individual survival from these dangers.

Germanium may just be that substance.

Heart disease, of course, is the number one killer in America, but cancer is number two and gaining neither of these types of diseases existed 100 years ago.

AIDS shows every indication of far surpassing the horror of plagues and the "black death" of centuries earlier.

In the case of all three of these you'll find doctors often saying things like "...no one knows what causes..."

Well, the actual nitty-gritty of "cause" may not be understood by those doctors, but we common sense people know that all three of these causes of death are brought about by following, today, lifestyles and diets that are far different from what they were 100 years ago.

The FDA has reluctantly bowed to some court decisions which allow vitamins to be used to "Prevent" or even "cure" a disease which is admitted to be caused by a nutritional deficiency. However, the FDA firmly holds to the myth that cancer and AIDS have no relation to diet! Thus, the FDA will aggressively attack any company selling any substance where that substance has come to be known, no matter how, as a "treatment" of cancer.

This, in truth, is the politics of death! You see, now, that even the exercise of freedom of speech by ME, as I write, is used to affect a complete stranger's ability to sell a substance about which HE has made absolutely no claims.

Can you imagine the forces of evil arrayed against you!

You cannot, and should not, count on ANY organization to protect you. You must take personal control of your life and health, but learning the truth and changing your health habits as necessary.

Even if these diseases were deliberately introduced into society, they can still be avoided by improving your diet and lifestyle. It is not difficult to prescribe a healthy life, but it is extremely difficult to get people to listen or to follow such ideas.

Eat less refined foods, knock off the sugar, alcohol. Eat more natural foods, avoid preservatives, drink more and better water, and get more exercise. Add some fiber to your diet. Quit drinking coffee.

It IS simple to describe the changes in diet and life style that win bring about improved health, but it is NOT easy to convince people to change their habits, and I believe Americans are strongly attracted to any drug, vitamin or idea which promises "something for nothing" - health by swallowing a pill.

If a pill of germanium could reverse some of the symptoms of the disease of cancer, heart disease or AIDS, then germanium will prove to be extremely popular.

SECTION TWO

GERMANIUM - THE KEY OF LIFE!

GERMANIUM AND TRANSISTORS

Germanium was first well known in our country when it was used to make transistors.

It is a substance called a “semi-conductor,” which means it conducts electricity better than an insulator, but not as well as a metal.
16

Germanium was quite expensive then, and still is. But, at the time of the introduction of the transistor, there was no other substance that would do exactly what germanium did, so it was used extensively for some years.

The high cost of germanium encouraged researchers to look for alternative materials, so silicon was found and is now the basis for most transistors manufacture.

That left germanium with a much reduced demand for transistors, but since there has been so much attention paid to it, by now there are several other uses for germanium in its metallic/mineral form.

For instance, metallic germanium can be formed into a lens which would be completely opaque to visible light, but, it turns out, is completely transparent to infrared light.

So, a lens made of germanium can be used in the nose of a missile and can “see” and “focus on” sources of infrared light – heat. A heat seeking missile probably needs quite a bit of germanium to “see with.”

This has insured a continuing defense market for germanium, and insured that it continues to be produced in the metallic form within the United States.

GINSENG AND GARLIC

There was a researcher who spent many years looking into the properties of germanium. He was the Japanese scientist, Dr. Kazuhiko Asai.

Over a period of many years Dr. Asai pursued his research into this substance - germanium. He has written the most useful book on this subject, entitled 'Miracle Cure: Organic Germanium'.¹⁷

Dr. Asai's early work in Japan was as the head of the Coal Research institute which he started in 1945. Japan has always had been interested in finding better ways of mining and using the coal that existed in Japan.

As he studied 'coal' he discovered that coal contained germanium, and he then discovered that this germanium was one of the elements that has originally been in the plant before it became fossilized into coal.

He also heard of germanium being used in Russia to rejuvenate people.

His interest in germanium was put aside for many years but he took it up again when he formed the Asai Germanium Research Institute in 1969.

By 1975 he had been so successful with his research on germanium that he was elected a member of the New York Academy of Science.

One of the interesting things Dr. Asai discovered was that germanium existed in many different plants, but the amount of germanium in any one type of plant would differ, depending on the soil in which it grew.

For thousands of years Chinese medical doctors used ginseng as one of their primary sources of medical herbs.

In early Western society, Garlic was the herb with the magic reputation.¹⁸

Dr. Asai found that these famous herbs were relatively rich in germanium compared with other plants that had never been used as medicinal herbs.

But, Ginseng of Garlic grown on soil depleted of germanium turns out to have very little germanium in the plant itself.

Thousands of the faithful have experienced miraculous cures drinking the holy water of Lourdes.¹⁹ Analysis of this water has shown that it contains a much higher amount of germanium than most other water sources!

Dr. Asai did extensive research on methods of extracting germanium from various plants, and observed the vast differences in the amounts of germanium that could be extracted from various plants, and from the same type of plant grown under different conditions. When Dr. Asai managed to extract some of this organic.- germanium he used it to test a theory on health that was, at the time, quite revolutionary.

According to Dr. Asai:

"To my way of thinking there are three conditions for the treatment of disease which greatly affect recovery. These factors are supported by the latest advances in medical theory and endorsed by doctors working with the organic germanium compound. The principles of natural law form the basis for my thoughts and medical techniques, such as biorhythm, as well as acupuncture and natural herb therapy may be used in conjunction with them. The first condition for insuring the recovery of a person afflicted with disease is that he must have a firm conviction that he will recover..."

"The second condition is the maintenance of proper diet... The third condition, a synthesis of the above two, is not a continuous combustion process to develop an oxygen deficiency."²⁰

And, here begins the most remarkable part of Dr. Asai's theory - a theory that holds that 'We remain alive because there is a continuous combustion process within the body to supply life-sustaining energy, a process in which oxygen plays the main role. If no effort is made to maintain a healthy mind and body by avoiding stress and imbalanced diet, and oxygen deficiency will result.'²¹

Since Dr. Asai started studying germanium, and working out his theory of the oxygen deficiency theory of disease, many other researchers have also written about the key importance of the oxygen in our bodies.

Many products are now sold in the health market, which purportedly increase oxygen that is able to get into the body.²²

This theory of "oxygen caused disease" has even had two recent books that provide considerable scientific research and background.²³

Oxygen looks to be the common denominator for health - and it's encouraging that health can be understood with the simple and basic ingredients on our planet rather than a complex manufactured drug.

Let me comment on that concept of "complexity".

All too often you find some scientist "solving" some problem by describing observations and new theories which are more complicated than the original problem.

Truly valid science simplifies - that is, the true scientist solves problems by relating two confusing data to one simplifying theory. He would not solve a problem of two confusing data by presenting¹⁰ more complicated sets of data, requiring four new and different theories to explain them all.

The oxygen deficiency theory of disease is a simplifying theory. It is not necessarily true or valid, just because it is simple, but its simplicity allows it to be tested with ease and I believe that all true advances in science are related to simplifications, not complications.

Germanium is a simple substance, and the way it "works" is likewise simple - it carries extra oxygen into the body. It is not so easy to understand all the ways our bodies become deprived of oxygen.

A REMARKABLE BREAKTHROUGH IN THE UNDERSTANDING OF THE SECRET OF PLANT LIFE!

There are some truly remarkable scientific breakthroughs described in this small book by Dr. Asai - scientific observations that have had very little publicity in the West, although now well known in Japan.

For instance, Dr. Asai discovered that a semi-conductor such as germanium may be the single key factor in allowing plants to convert sunlight into tiny currents of electricity which then cause the available water to be broken down into separate oxygen, which IS the source of oxygen in the air we breath, and hydrogen.²⁴ Then, the hydrogen combines with carbon dioxide, which is also absorbed by the plant to keep our air clean, to form carbohydrates.²⁵

This is a remarkable discovery because it is the theory of "life" for plants - the explanation of how plants live and grow!

According to this theory, plants must have germanium (or some other "semi-conductor" type 'metal") to allow the sunlight to bring about the creation electricity which breaks the water down into oxygen, which we breathe, and hydrogen which combines with carbon dioxide and allows the creation of the very carbohydrates which we and animals eat as food!

Thus, it is not too much to say that electrical semi-conduction as facilitated by germanium is the secret of life.

DR. ASAI CONTINUES HIS RESEARCH INTO GERMANIUM

While this was the beginning of Dr. Asai's intense interest in germanium, he soon discovered that the substance had other properties which were exceptionally tantalizing, from the point of view of human health.

He discovered that germanium in the organic form, was a complex molecule which contained a core of the pure elemental germanium atomically bound to a large number of atoms of oxygen!²⁶

Thus, when you take this organic form of germanium into your body, you are taking a substance that carries along with it OXYGEN that is able to go, along with the germanium, to places where the oxygen from your lungs is in short supply.

Plus, Dr. Asai discovered that because of poor diet, poor mental attitude, and polluted environments, man now needs MORE oxygen in his body than he can get from just breathing it in.

And, he reveals, in his book, the fact that because of pollution the actual quantity of oxygen in our atmosphere is decreasing!

Yes, Dr. Asai's theory is simply that we are all, on this polluted planet earth, suffering from oxygen deficiency, and this oxygen deficiency is the root cause of the decline of the immune system and all the various diseases which afflict us.

When you add poor diet and stress to man's living conditions, you can see that, if this theory has any validity, the body could easily need far more oxygen now than it did only a few hundred years ago when the streams were clear, the air clean, the food wholesome and there was a bit of respect for God amongst our citizens!

Dr. Asai has published numerous articles and scientific findings on the value of using organic germanium as a substance to be injected into the veins or taken orally.

Dr. Asai found that, "My organic germanium compound has proved effective against all sorts of diseases, including cancers of the lung, bladder, larynx and breast, neurosis, asthma, diabetes, hypertension, cardiac insufficiency, inflammation of maxillary sinus, neuralgia, leukemia, softening of the brain, myoma of the uterus and hepatic cirrhosis. If a line that runs through the many cases of cure taken as isolated points should be found and an hypothesis known to be true to be set up, I should say that all diseases are attributable to deficiency of oxygen. The dangers of an oxygen deficiency in the human body cannot be over-emphasized... Germanium greatly enriches oxygen in the living body. to²⁷

In brief, Dr. Asai has certainly been the world's foremost expert on germanium, and his research led him to believe that germanium would and does treat and possibly cure cancer and other, often terminal, diseases.

TOXIC LEVEL?

The normal test for toxicity in the U.S. and in Japan is simple.

If you want to test a drug, or a vitamin, or a food, or any substance, for toxicity, you follow a standard government approved procedure.²⁸

Dr. Asai conducted his own tests, but also sent quantities of his germanium to independent test labs which followed the standard, Japanese Government approved procedures.

These tests involved dosages 100-500 times higher than a human might take, even when the human was on a very heavy dosage.

The independent lab reported:

"From the above results it may be concludes that this organo germanium possesses practically no toxic properties."²⁹

In all of his research Dr. Asai never found ANY level in the use of his organic form of germanium - including the used of several grams per day.³⁰ On the other hand, he and many others have found that germanium, when taken at the dosage of about 1,000 mg to 5,000 mg per day was found to treat and possibly cure cancers and other illnesses that had not responded to any other form of treatment.

I, myself, have now been taking 1,000 mg of germanium per day with no bad effects.

Those who want to legitimize germanium in the American health market want to conduct American tests similar to those I've just described which were done in Japan - to prove, under conditions satisfactory to the FDA, that organic germanium is non- toxic.

Such a test should be. easy to do, and the results should be quite convincing, based on Dr. Asai's own research. It is possible, however, that the politics of the FDA would prevent even this simple test from being conducted, or that they wouldn't accept the results, no matter how valid.

Even though this test would be "easy" to do, it would probably cost about \$2,000,000 and take more than one year to get through the restrictions which the FDA has placed in the path of any new substance.

It would be a far more difficult job to 'prove' that germanium is "effective" in treating any disease. An, if the drug companies wanted

To stop it, the FDA would never allow germanium to be proven to be effective. It now appears, however, that the Asai people are moving full-speed ahead, in cooperation with the FDA, to get germanium approved as “safe for human consumption”.

Section Three of this Second Edition tells the story of procedure by which germanium will undoubtedly be approved as drug, and why it is not necessary that germanium be proven to be “effective” in order to sell billions of dollars worth of the stuff.

So, germanium should soon be accepted widely by the medical community, based on FDA approval, and it will then undoubtedly be hailed as a very promising cancer treatment.

But, the practical results of cure by using germanium are apparent, at least in Japan, to anyone who has the common sense to “look”.

The reasons why germanium might “cure” cancer are simple. Cancer grows ONLY IN THE ABSENCE OF OXYGEN!

This little known fact has been established in many tests, but since almost every medical drug available on the market DECREASES the amount of oxygen in the body, you can be sure that drug companies don’t spend much time telling you to get more oxygen into your body! ³¹

The dosages of germanium used to treat and possibly cure cancer in Japan are far, far higher than any form of germanium that has been available for sales in the United States, until recently.

For many years there was only one of two companies offering germanium for sale in the U.S. – and those companies offered it within tablets only in microgram quantities.

**A microgram is one millionth
of gram.**

It takes 1,000 micrograms to equal one milligram, 1,000 milligrams to equal a gram and 1,000 grains to equal one kilogram 'Which is about 2.2 pounds.

Thus, one microgram is an extremely small amount.

There is no evidence that germanium, taken in the extremely low dosages, formerly available in America, have any of the dramatic effects reported by Dr. Asai.

More recent research suggests that larger dosages - perhaps at the rate of 2,000 to 4,000 mg per day - may have a very therapeutic value or treating terminally M cancer patients and even AIDS patients!

Reports of "miracles" like those I've read about germanium are particularly worth considering seriously because of the large number of these reports and because so many of these claims are being made by respectable medical researchers and doctors (in Japan) whose opinions are unlikely to be swayed by emotion.

As Dr. Asai wrote,

"Cancer is an incurable disease. There are various means of treating it, such as carcinostatic substances and radiotherapy, but it is undeniable that none of these treatments offers conclusive efficacy.

"I would like to state organic germanium is indispensable in treating cancer. It is needed not only for treating benign tumors but also for all obstinate diseases arising from malignant tumors. However, if the disorder is diagnosed as cancer, the earlier the administration of germanium the greater the effect...

"What is most distressing in the case of cancer is the pain attending the terminal stage. Anodyne is usually injected continuously in an attempt to relieve the pain. Only organic germanium can relieve this pain resulting from terminal cancer. "When organic germanium is injected into a patient with advanced cancer who can no longer take the drug orally, the pain and suffering miraculously subside." ³²

Currently there is a rapidly growing number of medical doctors in the United States who are very quietly buying germanium for used with their patients. Many of the doctors doing this are fully aware that they stand to lose their licenses if the government or the AMA accuses them of prescribing or dispensing an illegal "drug!".

There are some doctors who are desperate for cures for the human tragedy that they see every day - doctors who have little respect for the AMA or the government regulations which deny them use of a safe and effective treatment which has not yet received the "blessing" of the drug interests that run our medical schools in America!

NEW PUBLICITY

You will be hearing more and more in the popular press about this substance. Dr. Asai wrote an excellent book on this subject, 'The Miracle Cure' and the book is available from LEES. AU of the available stock in the United States has been sold out, and the book is being re-printed in Japan. (I have wondered if the book might, somehow, just not ever become available in the US again!) When it is made available LEES will sell it, hopefully at about \$20 including packaging and shipping.³³

There is another book which has already been published and which is moving along in the distribution channels right now. It reports on remarkable cure of cancer and other illnesses, using germanium. This new book is written jointly by a Japanese researcher Dr. Niwa, and American Doctor Grant Stucki who has been kind enough to give me an advance copy of the manuscript to read.³⁴

As usual, when a non-drug substance comes along that seems to be useful in the treatment of cancer, you can expect many people, including the FDA, to be very suspicious that it is a fraud.³⁵ Since germanium is not a drug, and is therefore not subject to control by the FDA, it will be dangerous for anyone, particularly a nutritionist, to claim that it can "cure" anything.

In America it is "illegal" to cure anything with a substance other than an approved drug.³⁶

There will be, I predict, some unprincipled persons who will deliberately provide a toxic form of metallic germanium to an unsuspecting health food store whose customers will then get ill or die. This will "prove" that germanium is a dangerous poison! Those reports will be highly publicized and then the FDA will attempt to outlaw the use of germanium.³⁷

It appears that this has happened in Japan. It can happen here even though it could be proven that the toxic form of germanium was the metallic, inorganic form, and that another substance being offered for use was the safe, organic form. The FDA would take the

position that inorganic germanium is too dangerous to allow even the safe, organic form of it to be sold.

When toxic, Inorganic germanium was found to be responsible for deaths in Japan, the Japanese press nonetheless described the product responsible as organic germanium - was this a mistake? Or a deliberate lie?

ORIGINAL FORM OF “GERMANIUM”

Dr. Asai's research was originally with germanium extracted from plant sources.

The amount of germanium in plants is so small that it takes a large quantity of plants to obtain a very small amount of germanium. Also, there were technical difficulties in extracting the pure germanium from plants.

Currently, any firm that suggests that they have a tablet of 5 milligrams of germanium, or higher, and that all of their germanium is extracted from natural plant sources, is probably lying to you!

One of the honest "natural" germanium tablets that is available in the U.S. claims to have 200 micrograms per tablet, 100 tablets per bottle for a retail price of \$7.00 per bottle.³⁸

Since it takes 5 of these tablets to equal one milligram of germanium, it would take 5,000 of these tablets to equal 1,000 milligrams. This translates to #350 per day if your dosage were only 1,000 milligrams per day.

Cures from cancer, in Japan, seemed to require up to 4,000 milligrams per day, over a lengthy period. (This could cost \$1,400 per day for the "natural" form - still less than intensive care in some hospitals, but not in the price range of the usual "vitamin.")

Companies which sell "natural" ingredients often adopt a "marketing decision" to simply assert, without any scientific study, that a large dose of a substance is really not necessary, particularly when the substance is "pure" and "natural."

Well, the cancer research has been done with large doses of synthetic organic germanium, and not with the so-called "natural"

sources of germanium. (As explained below, the "natural" sources for germanium proves to be very uneconomical for extracting large quantities.)

Thus, it is apparent that the currently available "natural" sources of germanium will not be competitive with the synthesized version when and if becomes available at prices comparable to what it has been sold for in Japan.

Retail prices for the synthesized version ought to be in the price range of \$20 to \$30 per gram, in contrast with the \$350 for a gram of the "natural" form.

SYNTHETIC GERMANIUM

Dr. Asai's research, originally with "natural" germanium, convinced him that it would bring about remarkable cures, but only when the dosages were in the range of 1,000 to 4,000 milligrams, or more, per day.

This made the substance prohibitively expensive, based on his cost for extraction from natural sources.

Germanium occurs naturally in garlic, for instance, at the rate of about 50 parts of germanium per 1,000,000 parts of garlic. ³⁹

It would take about twenty kilograms of garlic (44 pounds) to yield one gram of germanium. It would thus take 200 - 300 pounds of garlic to allow extraction of one day's dose of germanium.

Actually, the cost of the extraction process for the germanium would far exceed the cost of the raw material. ⁴⁰

Dr. Asai wanted to get the cost of germanium down to a level where it could be a practical treatment of cancer.

He realized that it would never be practical to treat cancer and other diseases with germanium extracted from natural sources, so he then spent many more years working on a procedure for converting inorganic germanium into the organic form.

He actually succeeded, and got a patent in Japan for producing germanium which was chemically identical to the form which he had extracted from plants.

Shortly after Dr. Asai got his patent, another Japanese scientist obtained his own patent, using a different process than described in

Dr. Asai's patent - and this second patent also allows the production of organic germanium.

This second patent is held by the Maruyoshi Company.⁴¹ I toured the Maruyoshi germanium factory just a few days before finalizing this Book.

Then a third Japanese company developed yet another way to make organic germanium. This Company is Tokai Sangyo, owned by Mr. Harra, and he too has a patent, different from the others, for making organic germanium. I also toured his factory just a few days before finalizing this Edition.⁴²

The Tokai Sangyo Company, through its export company, Solvic, has already established a full-time US Sales Representative with an inventory of factory-owned germanium in stock within the US -- the first company to do so in the US market.⁴³

Dr. Asai's germanium was referred to, by him, as "Ge 132." This is the trademarked name for germanium made under approval the Asai Germanium Research Institute. When this term is used, it refers to germanium synthesized from an inorganic source (such as germanium metal), and sold by the Asai Research Institute, or one of its licensees.⁴⁴

Dr. Asai has never found any toxic effect from his Ge 132 - even at doses equivalent to a man taking more than one pound of the stuff per day!

PATENT COMPLIMTIES

All the Asai, Tokai and Maruyoshi patents in Japan have expired, so any Japanese manufacturer can legally utilize either of these procedures within Japan.⁴⁵

But Dr. Asai also obtained a patent in the United States, and that patent is stiff in force. It is possible that anyone could legally make organic germanium in Japan, but not all that clear that it would be legal for someone in the U.S. to import Japanese germanium from such a company, if the product were made by the Asai process. That is because there is an existing patent for the Asai process in the U.S. And, the trademark laws could prevent anyone else that the Asai Germanium Research Institute from using the phrase 'Ge 132'.

Of course if the germanium imported into the US were made by the Tokai or the Maruyoshi process, it would presumably not violate the Asai patent in the US.

But, some uninformed US vitamin companies are using the phrase 'Ge 132' in quite apparent violation of the Asai trademark.

One of the common practices in this world of germanium is for a Taiwanese company to make the germanium, and then ship it to a Japanese company which will wrongfully claim that they are the manufacturers of the material, in Japan, and then exporting this germanium to the US as Japanese material.

In general, companies that do this are completely unwilling to provide much in the way of details on the actual address of the factory 'in Japan' -- since there is none there!

This is why, on my recent trip to Japan, I placed such a great significance on the fact that two companies which both claim to manufacture germanium IN Japan actually took me to their factories. I have allowed each of those two companies to make a video of my visit to their factory so that a prospective purchaser can see this video and have this degree of assurance that he is dealing with one of the authentic manufacturers in Japan, rather than one of the trading companies which is merely importing Taiwanese germanium.

One of the major US importers of germanium, currently, sells its product with a trademarked name of "GeOxy-132." This importer, Global Marketing, has consistently refused to identify the source of its germanium, but claims that the germanium is manufactured in Japan. I feel quite certain it is not made in either of the two factories I visited.
46

It remains to be seen if some legal action would determine that there is a trademark infringement between "Ge 132" and "Ge Oxy 132". I talked to the top English-speaking executive of the Asai Institute, and he certainly assured me that he felt Global was violating the Asai trademark.

In fact, an attorney representing the Asai group has also contacted me to ask questions.

Knowing this market as well as I do, I don't believe there are any manufacturers within the United States currently making the

genuine organic germanium, although there are companies which would have the ability to produce it.⁴⁷

I have talked to one research scientist who told me that he could make the organic germanium with a process of his own, without violating the existing American patent. Upon reflection, and in later conversation, this researcher offered other valuable information to me only on the condition that I promise to not divulge his name. I considered the additional information worth the promise, and thus must keep his name confidential. But, I'll be watching for germanium from that source.⁴⁸

In my early investigations I found much germanium offered for sale, but the sellers were always unwilling to tell me where it came from, and most of them were even unwilling to provide a certificate from a testing laboratory to "prove" that the substance was the same, chemically, as Ge 132.⁴⁹

Only after the first Edition of this Book was printed did I obtain information about two Japanese companies which openly publicized the fact that they manufacturer organic germanium, and sell it into the United States. One is the Maruyoshi Company of Yokohama, Japan. I have met with the President of that Company, and am satisfied that they are selling genuine organic germanium in the United States, through their agent, International Commerce Exchange.⁵⁰

The other company is Tokai Sangyo, and I visited Japan to investigate both of these companies and their manufacturing facilities. I have video tapes of my tours of each factory.

There have been various people claiming to sell germanium from the Asai Germanium Research Institute, but I have convincing evidence that the Asai people have never made any germanium available within the US market, except as samples, and do not presently offer ANY of their germanium for sale in the United States.⁵¹

The price for germanium is normally quoted in dollars per kilogram. importers are quoting prices of about \$6,000 per kilo- gram.

Since the Asai Research people have a patent in the U.S. they apparently are ready to sue anyone else who uses their patented process and brings it in from Japan.

The Asai people, also are refusing to sell to non-medical purchasers, and are more interested in establishing germanium as "drug" where they can avoid restrictions from the FDA.

The sales and profits for germanium as an "approved drug" would be in the multi billions, whereas the "vitamin" market will probably be limited to millions of dollars.

Various eager prospective suppliers have claimed that they had the "true" Asai germanium, but when I requested some proof of that, they said they couldn't provide that.

Originally, I had resolved that I wouldn't release this Book for publication until I could actually name a supplier in who I had confidence. I am now confident that the Maruyoshi Co., and Tokai Sangyo, both in Japan, are the only reputable sources of germanium in the US market which have identified themselves. ⁵²

There may be other genuine forms of organic germanium in the US market, but no other source, except Maruyoshi, at the time of this printing, was willing to reveal their identity, nor to provide a method by which their product could be tested by an independent laboratory. ⁵³

Maruyoshi is the world's largest manufacturer of germanium, and also the largest producer of retail package of germanium products for consumption on the huge Japanese market where some 5 million Japanese use germanium on a regular basis.

Your best bet in purchasing retail-sized products (powder, tablets or capsules) would be to purchase from a supplier you trust implicitly. I am going to be much too easy for a dishonest company to dilute the real germanium with inert powder, or to simply provide you with the toxic, cheap germanium dioxide. It is not practical for the retail buyer to assure himself that the germanium tablets or capsules HE buys comes from any particular Japanese source.

Buy from a store or a distributor that you trust, and don't try to save a few dollars to get a cheap brand of germanium. This substance is too important, holds too much promise, and can be so

valuable to your health that you cannot afford to take the risk of buying a fake substance.

I would be very careful in buying from any firm which cannot show you in writing that their product has been tested using the standards described in this Book.

I have been asked to prepare this information for a series of articles for a national publication. One such article has already appeared in *The Spotlight*, and I anticipate that I'll be able to name additional reputable sources of germanium by the time the next series of articles is published.

EDUCATION COSTS MORE THAN THE RAW MATERIAL INGREDIENTS IN THE "PILLS"

Compared with drug companies, vitamin companies spend very little on scientific studies, and very little on education. They don't have the profit margins to work with that the drug companies do. Nor, do they have enough money to bribe Congress to pass laws (like the FDA regulations) that guarantee a continuous monopoly of the drug companies in the field of health!

Someone once asked me what a vitamin is "worth".

The true answer of "worth" must relate to "value," and it is obvious that many vitamins are "worth" far, far more than their selling prices. But, because many of these vitamins are so inexpensive to produce, and because of intense competition, they are usually sold at prices far below their true "value!"

You might say this is fine for the consumer, but the loss here is that those companies which sell these products at low prices do not then have enough money to spend on education of the consumer so that more of them will learn about the product and use it.

The drug companies have "solves" this problem by selling only drugs on which they can get patent protection, and then charging high enough prices so that they can use some of the income to "educate" doctors into the use of the drug.^{54 55}

There is no comparable mechanism in the vitamin industry.

When I first obtained prices from one group of suppliers, they were asking about \$4,000 per pound for germanium. I've since found it as significantly lower prices. But, even as \$4,000 per pound, that makes germanium cost far less than many of the most "popular" drugs, but far, far more than any common "vitamin" or 'mineral'.

COMPARE THE COSTS WITH DRUGS!

To put this cost into better perspective, there are several drugs used in chemotherapy, for cancer "cure" which cost more than \$100,000 per pound, but are used only along with hospital visits and administration by a staff of medical technicians. The entire visit might cost \$500 and dose of 500 mg of the drug might represent as much as \$100 of that cost.

The mathematics here is worth examining:

A pound of a drug would contain 448 grams, or 448,000 milligrams. Thus a dose of 500 mg would represent .1% of the full pound.

If a pound of the drug sells for \$100,000 then the 500 mg dose would cost about \$100!

Remember, that it is far easier to manufacture a drug where a very small dose can cause a big effect than to get a similar effect with a natural substance like a vitamin. Some drugs are effective in doses of one millionth of a gram!

So, we will probably have germanium available from a legitimate source, at a price of about \$2,000 to \$3,000 per pound, in bulk form, and for about \$1 per tablet for a potency of 20 mg to 50 mg per tablet. If you compare that price range with vitamins and minerals, you'll see that the price is astronomical. If you compare that price with many drugs, you'll see that the price is fantastically low.

By the time germanium could be put into a retail package, a typical product might be a bottle of 100 tablets, each containing 35 mg of germanium, with the effective dose being 5 - 10 tablets per day. (Recognize that this 35 mg would represent 45% elemental germanium, but it is actually the organic form of germanium, not

elemental germanium, which Dr. Asai's dosage suggestions apply to.)

In fine with normal production costs and mark-ups, this bottle would have to sell for about \$100. Paying \$1.00 each for a tablet of germanium may sound like a high price, but it could be worth far more than that in terms of health benefit.

The health claims for this substance are covered in the next two Sections.

Drug companies spend billions of dollars educating medical doctors about the scientific studies and uses of their drugs. Since medical education emphasizes drugs, and devotes practically no time to preventive medicine, nutrition or vitamins, medical doctors are quite prone to accept "education" from drug company detail men, and few of them ever show any interest in vitamins.

SOME TECHNICAL DETAILS

I'm not going to try to present any extensive explanation of how and why germanium "works," in this report.

I've certainly read a great deal on this subject, but you can find that in many other places. These technical reports, however, don't deal at all with the vital economic and political information in this book.

You can read these reports and be eager to try germanium in some situation, but then fall into a fog wondering about the conflicting claims of legitimacy about the various sources of supply.

But, based on preliminary study, it appears that germanium "works" simply by attaching itself to atoms of oxygen which are then carried into the body.

These oxygen-enriched particles increase the total availability of oxygen in the body – increase the amount beyond what your lungs could possibly provide.⁵⁶

**ALL DISEASE IS CAUSED, BASICALLY,
BY A LACK OF SUFFICIENT
OXYGEN IN THE BODY!**

In other words, Dr. Asai's theory is that virtually all diseases, including cancer, are caused by the lack of oxygen in places it is needed in the body.

Many other scientists have, since Asai's writing, added to this if oxygen deficiency theory of disease."

Oxygen is used up in fighting the many poisons we take into our bodies (smog, normal drinking water, cigarette smoke, excess sugar and processed foods, etc.) and not enough oxygen is left for normal body health.

"Degenerative diseases such as high blood pressure, diabetes, heart disease and cancer A have the same causes. They A originate from a lack of oxygen and essential nutrients."⁵⁷

The result is that cancer cells are produced and other diseases get a start.

Germanium goes into the body carrying quite a bit of oxygen, and this oxygen becomes available to "clean up" the poisons in the body.

Unfortunately almost all of the current research has been reported in the Japanese language, and there are even some American "scientists' who have simply translated or re-written Japanese original material and put' their own names on it.

Information published by the Asai Germanium Research Institute is the most reliable, and they are working hard to make more information available in English.

In my recent visit to Japan I spent some time with Mr. Yoshinori Higuchi, Manager of the Project and Promotion Department for Asai."

One of the things I stressed with him is that when there is a lack of information on a subject as exciting as germanium, people will fill the vacuum, whether the information poured into that vacuum is true or not, whether the information is plagiarized or not. I believe

that, as a result of my urging, we will begin to see an increase in English-language material being made available by Asai.

On a private basis I will be willing to show an original Japanese research report and a later written, word-for-word copy by a "prominent" American "expert" on germanium.

Here are some of the other scientific findings. I cannot personally vouch for the accuracy or even the originality of any of these resources. These are presented with most of the technical words left intact and I urge you to look up any of these words, in a good dictionary, if you don't understand them:

'...Germanium has the function of inhibiting the multiplication of cells when they are abnormalized, it helps to stop the advancement of cancer.'⁵⁹

Germanium stops the damage of radioactivity.⁶⁰

Germanium can reduce children's violence and autism.⁶¹

Organic germanium has been observed to induce interferon and activate natural killer cells and macrophages.⁶²

Interferon stops the multiplication of viruses. Germanium increases the body's production of interferon.⁶³

Organic germanium display tumor-inhibitory activity by modification of the immune mechanism.⁶⁴

There is no way to ingest super oxides, but germanium can produce them inside the body.⁶⁵

... appropriate doses of germanium restore to some extent the impaired immune response in mice.⁶⁶

Germanium increases the body's ability to absorb calcium from foods and supplements.⁶⁷

Vitamin E is a powerful agent in preventing cells from being damaged by free radicals. Selenium is 50 - 100 times more powerful than Vitamin E for this purpose. Germanium is several times more effective than selenium,⁶⁸ and has no toxic level, whereas selenium does. Selenium in experimental doses (2 - 3 milligrams per day) are being used as cancer cures.

Results showed that organic germanium successfully inhibited the occurrence of senile amyloidosis. Amyloidosis is the accumulation of amyloid in various tissues, which when advanced, engulfs and obliterates parenchymal cells, and this injures the afflicted organ. Senile amyloidosis affects the elderly, most frequently damaging the heart.⁶⁹

Organic germanium is now being applied to the medical field as an organic salt for the treatment of cancer, viral and rheumatic diseases.⁷⁰

Natural killer cell activity of the spleen cells was increased 24 hours after the oral administration of organic germanium, neither induction of IFN nor augmentation of natural killer cell activity occurred.⁷¹

Organic germanium works as a potent antimutagen in gamma ray induced mutagenesis bacteria. Gamma ray induced mutations in a strain of B/r WP2 trp- or Escherichia Coili are remarkable reduced by the presence of organic germanium.⁷²

Germanium regulates the amount of cholesterol in the blood, and by animal experimentation, it has been proven that it prevents amyloidosis, the ring leader in causing the phenomenon of aging.⁷³

Organic germanium worked as a remarkable interferon inducing agent.⁷⁴

Organic germanium was effective against certain ascities tumors regardless of whether the tumor was syngenic or allogenic.⁷⁵

Studies in immunosuppressed animals and patients with malignancies or the rumatoid arthritis suggest that organic germanium restores the normal function of T cells, B lymphocytes, antibody-dependent cellular cytotoxicity, natural killer cell activity, and number of antibody-forming cells, but does not enhance them above normal levels.⁷⁶

Germanium decreases the sensation of pain.

Germanium activates and improves the immune system, specifically by causing production of both interferons and interleukins. It also activates the NK cell in the thymus derived lymphocyte series. It increases the macrophage activity, and is potentially beneficial for people with gastro- intestinal Candida Albicans, chronic viral infections or cancer.

Germanium retards aging by balancing free-radical metabolism.

Germanium increases energy and improves heart muscle tone.

Germanium improves stamina and endurance - sex, sports and stress.

Germanium is claimed to be successfully used in Japan to, successfully, to treat a broad range of problems, including arthritis, osteoporosis, hepatitis, cancer, leukemia, cataracts, liver disease and heart disease.

Dr. Asai has found that germanium is very effective in removing mercury, cadmium and similar metal poisoning.

There's much more to it, but that's a good starting point to the understanding of the value of germanium.

If you have a loved one with a serious disease, and are wondering whether or not you dare approach the doctor to ask about germanium, you should be very assured that the above list, and the footnote references, are normally very convincing to a medical doctor.

First, almost no doctors have heard anything about germanium, but they have often heard of "quack cures" promoted by unscrupulous promoters. So, doctors are right in being skeptical about claims for germanium, coming from a non-scientific source. Neither I nor this book should be accepted as an acceptable scientific source for data about a treatment for cancer or any other such serious disease.

BUT, some doctors will have an open mind - be willing to listen to an impassioned plea for examination of the facts.

For THOSE doctors, the list of references in the footnotes can be very convincing.

Ask your doctor to read just those references, and then look up some of the studies in his own reference library.

When he has discovered that many of his respected colleagues have studied the effects of using germanium, he will have the scientific rationale to evaluate whether or not HE will recommend the administration of germanium.

You, as non-medical person, do not have to fear that the doctors will turn you down on your request for examination of this substance – the proof awaiting you, or any doctor, listed in the footnotes in this book, can save the life of a loved one, and open the eyes of a compassionate medical professional to the possibilities of using germanium.

I urge you to share this book, or at least those references, with any doctor you know.

I do not expect the doctor to be convinced by my book, but h should be convinced by those footnotes.

I'm sure you, who have read with any degree of agreement, thus far, would recognize that most doctors might be so upset by some of my statements that they could not pick out even the scientific facts that would be persuasive to them. If you want to convince those people, you might want to write to me, at LEES, for a photo-copy of a batch of computer print-out reports on the scientific findings about germanium – without any of my editorial comment.

SECTION THREE

STARTLING ANTI-CANCER CLAIM

HAS NOW BEEN ACCEPTED BY THE UNITED STATES GOVERNMENT PATENT OFFICE FOR GENUINE ORGANIC GERMANIUM

Some of the most exciting news I have ever seen about a health substance has just become available to me.

This Section has now been added to the revision of my book.

The first edition of this book sold out in record time! I have never, personally, experienced such interest and such a demand for information previously.

I recently completed recording two national TV programs, about my germanium book. Those programs will air in June and July, 1987. On the very night this book was finalized, I was the guest on an all-night call-in show on a popular LA, radio station.⁷⁷

In August, 1987 I will appear as an invited guest speaker at the Wisconsin Natural Foods Association Annual convention, talking about "The Oxygen Deficiency Theory of Disease and How Germanium Can help You Achieve Survival in the 'Age of Personal Pollution'".

In September, 1987 I will address an important convention of members of the Board of Policy of liberty Lobby in Washington, D.C.

The requests for presentations are pouring in!

I invite you to call my office to arrange for a seminar or presentation in your area.

I tell you that this next section, and this subject is well worth your time to read.

THE STARTLING NEWS

Organic Germanium Sesquioxide Induces the Body to Produce interferon!

For a technically trained person, or virtually any medical doctor, the above statement will attract immediate attention.

For the rest of us ...

What is Interferon?

Interferon is one of the most powerful anti-cancer agents known to man.

Many years ago an extremely small amount of it, like one millionth of an ounce, was produced at a cost of several hundred thousand dollars.

The Food and Drug Administration published, in April 1987, a special report on interferon.

Here's just one quote from that article:

“ ... in therapeutic dosages [interferon] Is also believed to stem the growth of cancer cells and stimulates the body's defenses against cancer.,”⁷⁸

This article is extraordinary, because here is the US Government itself, in the person of the FDA, avowing that interferon is one of the most promising substances for the treatment of cancer.

This same article also says,

"As scientists begin to understand more about how interferon works, it's likely that they will learn more about malignancy in general, and perhaps find other uses for interferon."

Virtually all the current research on interferon is being done by drug companies - looking for a substance which will induce the body to produce its own interferon.

There are actually several drugs which have been proven to cause this interferon production, yet a lot of these have serious toxic side effects.

Many billions of dollars of drug research have been aimed at finding a drug which would cause the body to produce interferon, without the toxic side effects.

Why is interferon Important

Interferon is the substance which fights and eliminates cancer!

It is produced naturally by the body, but not always in sufficient quantity to handle diseases in many people.

Interferon is a very important part of the immune system.

INTERFERON INTERFERES WITH A VIRUS ENTERING INTO THE CELL

Within the immune system, interferon is the substance which strengthens the walls of the cell so that deadly viruses cannot penetrate.

AFTER THE VIRUS GETS INSIDE THE CELL IT'S TOO LATE!

Virtually all of the wonderful immune system we have in our bodies operates in the blood stream, outside of the cells.

Once a virus gets inside the cell it is very difficult to do anything about it.

The virus thought to cause AIDS, for instance, gm inside of cells, and the immune system can't do anything about those viruses.

It's interesting that some of the most advanced research on AIDS virus activity is being done in Japan where germanium is one of the most promising substances used in treatment.⁷⁹

Those viruses then get manufactured in large quantity by the cell, and released into the blood stream, to penetrate new, healthy cells, and cause death and further spread of the virus.

Interferon could stop this whole process if there were enough of it working in your body. I have a video tape of exactly that process taking place.

This explains the tremendous interest in finding ways to cause the body to produce more interferon.

Interferon was discovered nearly 30 years ago at the National Institute for Medical Research in London.

For these past 30 years scientists all over the planet have recognized the anti-cancer value of interferon, and have been working to find ways to cause the body to produce it.

Apparently it is not practical to make it outside the body, in a laboratory, so that a person could swallow it or get an injection.

The studies have all been to find substances which would cause the body to produce it.

Normally, the body produces interferon in response to a virus or poison that invades the body.

The body then produces interferon to protect the body from those specific viruses or poisons.

Virtually all of the drugs which have shown any promise at inducing the body to make interferon have been various types of poisons which stimulate this interferon production considered more beneficial than the harm caused by the poison.

Still, all of these drugs have had serious toxic side effects.

Now, comes along germanium, with NO TOXIC EFFECTS, and it causes the body to make interferon.

This is unheard of in the entire world of medical and drug research!

It's like the, first non-toxic "drug", ever!

There is one particular type of leukemia which turns normal white blood cells into deadly, malignant ones. This is called "hairy cell leukemia".

One of these toxic drugs caused enough interferon to be produced to stop the leukemia, even though a complete cure has not been proven.

The reason a cure may be difficult to achieve is that this is one of the poisonous drugs which is being used to cause the interferon to be produced.

Here are the side effects reported by a doctor who had this leukemia and started taking this drug. He was then quoted in the FDA report I mentioned:

"About two weeks into the treatment, I got a further depression of bone marrow, where the red and white cells and the platelets for clotting are produced. It put me in the hospital with fever. I had to have antibiotics; I needed more red blood cell transfusions and platelets.... After about 10 days into the fever it stopped, and I started again on interferon.... *I* was off interferon for about two or three weeks, then restarted. From that point on it mw steady progress."

While germanium has not at all been proven to "cure" anything, it is now accepted by the US Government as causing interferon to be produced by the body, and it is accepted by the Patent Office as non-toxic.

This ought to be first-page news in every news publication in the world, yet you have never heard this news, I'm certain. How much is this information worth to a person whose life 'could be saved by using germanium?

Germanium of the proper type has NO TOXIC SIDE EFFECTS, AND IS EXTREMELY EFFECTIVE IN INDUCING THE BODY TO PRODUCE INTERFERON.

The Asai Germanium Research Institute has obtained this U.S. Patent and thus has established, with US Government acceptance, the following:

... that germanium will induce the body to produce interferon and

... that this patented substance is non-toxic in animals and in humans and

...that germanium is effective in ,reducing tumors"

There is very typical way in which scientists test the anti-cancer characteristics of a substance.

This scientific procedure is described in the Patent.⁸⁰

The Patent describes the animal experiments in which mice are deliberately injected with cancer cells. The cancer is allowed to grow for a certain period of time, and then the substance to be tested is administered to half of the mice, while the other half get no special treatment.

The U.S. Patent Office has accepted and approved this substance along with the claim that 100% of the untreated mice died within less than thirty days.

ALL of mice given this substance lived longer than ANY of those cancer-injected mice who were not given the substance.

And more than 50% of those treated mice were apparently cored They were alive when the experiment was finished!

The substance?

**Organic
Carboxyethyl Germanium
Sesquioxide**

Medical doctors are fond of criticizing the vitamin industry because “proof” of the value of vitamins is often based on “testimonials” rather than what they consider objective, scientific research.

Well here are results that are far removed from the “testimonial” evidence which the medical profession criticizes the vitamin industry for relying upon.

These are laboratory studies done in dozens of different, independent medical universities, mostly in Japan but now very excitedly here in the United States.

I have received, confidentially, a copy of memorandum from the highest level of the Japanese Government concerned with AIDS research, addressed to U.S. Government officials in charge of

research on AIDS, including that organic germanium, and interferon, are two of the six substances they are studying, and that germanium is particularly non-toxic. As I mentioned earlier in this Book, when I visited Japan I talked with this Japanese scientist about germanium as part of a preventive program for AIDS.

At this moment this substance (germanium) is available for purchase (if you exercise the care I describe in my book) as a supplement in the United States. The price is extremely high, yet the product can be found.

You should expect to pay from \$20 to \$30 per gram for the material, with effective anti-cancer dosages in the range of one to two grams per day. While there are some very foolish companies which are selling germanium AND telling their customers the same information as is in this Book, these companies are destined for early attack by the FDA. if you would like someone to learn about the value germanium, give that person a copy of this Book, or Dr. Asai's book. Do NOT jeopardize a germanium-selling organization by asking questions on the use, value or dosage for germanium.

As I describe elsewhere in this book, Dr. Asai has suggested dosages of 100 mg to 200mg as an all-around preventive dose, and this level of usage would obviously cost much less.

Less than 10 days before this Edition was finalized, I visited three different "cancer clinics" in Mexico -- medical clinics where Americans are going in increasing numbers for the alternative therapies which the US government/FDA/Drug Company conspiracy will not allow to be provided in the US.

EACH of these three clinics was aware of germanium within a cancer treatment schedule.

One of the clinics was already giving every one of its patients (more than 50 patients in residence) 1,000 to 2,000 mg of germanium every day.

One other clinic was convinced of the value of germanium, but its flat-rate weekly charge was not high enough to allow them to include germanium although they were recommending it to their more affluent patients as an individual purchase item.

The third clinic is making its arrangements for importation of germanium now, and will soon include it in their daily treatments.

Why is it that information about germanium has so easily found its way to these famous cancer clinics when most American doctors have not even heard of the substance?

**I PREDICT GERMANIUM
WILL BE CLASSED
AS A DRUG**

I believe that within a year, or so, this substance will be classified as a safe DRUG by the FDA, and available only at much higher price only from doctors by prescription.

As long as he was alive, Dr. Asai fought hard to maintain his germanium as a "non drug" because he said all drugs had toxic effects, while germanium had none.

After his death, it now seems obvious, others at the Asai Germanium Research Institute have seen the financial advantage of turning germanium into a drug!

When it is approved by the FDA as "safe" and because the US Patent allows the patent-holder (only) to claim that it causes interferon production in the body, you can be sure that thousands of doctors will want to start prescribing this for AIDS preventive use and for treatment of cancer.

There is some chance, of course, that the FDA will refuse this substance from the market, as a drug, since it is not controlled by the American drug interests.

At the moment, however, I happen to know that the FDA and the National Institute of Health appear to be assigning the Asai people very greatly by evaluating the Asai information about germanium.

ORGANIC GERMANIUM AS A NON-DRUG NUTRIENT COULD BE BANNED TOMORROW

Nevertheless, the FDA could ban germanium from the vitamin and supplement market tomorrow.

Their excuse would be that claims have been made, much too publicly, that germanium can be used to 'prevent or cure a disease.'

That is illegal, in the United States, if the substance for which the claim is made is not a drug approved by the FDA might place a ban on the sale of germanium in the vitamin market would be because the ban would make it easier to have the substance then approved and sold as a drug.

There are a few examples of items, such as potassium, which can be sold as low dosages in the health market, but in higher dosages must be obtained only with a medical prescription. This could be the future course for germanium - with tablets containing up to 35 mg of germanium being allowed to remain in the health market while tablets or capsules higher than 35 mg might be considered "too large" for people to take without prescription, even though there was not a single hint of toxicity.

The FDA would claim that it didn't want people trying to diagnose themselves for treatment of serious diseases like cancer, but would feel that a doctor who examines the patient and who then, in his expensive professional judgment, decided that germanium is indicated, could prescribe it.

The FDA, of course, would have no interest in the fact that now there are thousands of Americans starting to use it in their own, personal health programs, and who are finding that it is very effective.

During the process of revising this Book I have numerous conversations with Americans who are getting remarkable results with germanium. One 79 year old woman, suffering from glaucoma had a remarkable reversal of her symptoms within days of using 1,000 mg per day, and avoided surgery that was scheduled in few days after she started on the germanium.

Many medical doctors shudder at such stories because they rightfully believe that others will want to achieve the same result, will purchase and use germanium, and will fail to consult a physician.

But, many good citizens in this country are very eagerly looking for alternatives to standard medical “care” and will certainly assert their God-given right to self-diagnoses and self-treatment!

Still, there’s more to the story, and the remainder of the story requires that you understand a bit about how industry and government cooperate in Japan, and how the US Patent Laws protect a holder of a patent.

You also need to understand the mentality of the FDA and drug companies – and the seniority of profits among their motivations.

Read on, and be prepared to get involved, if you are interested in learning about the nutrient of the century!

THE GERMANIUM PATENT ON INTERFERON PRODUCTION

The patent I refer to has been issued as Patent Number 4,473,581, issued September 25, 1984. It is assigned to the Asai Germanium Research Institute, Tokyo, Japan.

Here is the exact abstract:

"Therapeutic Induction of interferon production in living animal cells Is affected by subjecting such cells to the species-specific Interferon Inducing effect of an organogermanium compound having the formula ... “

and following that is the chemical formula for germanium sesquioxide which I describe is Footnote #25.

The Asai Institute had previously been granted a patent in Japan and in the United States on the process for making germanium sesquioxide.

The Japanese patent has expired, while the US Patent on the process still has a few years to run.

This most recent patent is on the claims that can be made for the use of germanium sesquioxide.

These are two very different types of patents.

Typically a drug company will "invent" a new drug, test it enough to be satisfied that it has some health and commercial value, and then seek a patent for the process of making it.

The "process" patent is generally obtained first, because the company might want to allow the patent to sit out there, and be tested to be sure that it is not challenged.

You understand that there is no intention nor interest in selling the product, at this point, since the protected market position has not yet been established.

Once the process patent looks good, even though several years of its validity may have passed by, the company will then seek the "use" patent.

The health needs of the consumer are really not factors in these decisions.

The "use" patent is far more important than the "process" patent because it is this "use" patent which allows the company to make advertising claims.

Notice that this Asai "use" patent does not claim to "cure" cancer - that would not be an appropriate claim for a patent.

Only the FDA could "approve" a claim which involves the treatment or prevention of a disease.

No, this patent makes a claim for the production of interferon inside the body, because of the use of germanium.

Even though the patent indicates that the interferon actually prevents cancer, the patent does not allow that as a "claim". The patent only allows the claim that germanium causes the production of interferon inside the body!

**FOR THE FIRST TIME REVEALED:
DRUG COMPANY STRATEGY
FOR MARKETING A NEW DRUG**

Drug companies often follow this procedure.

1. Get a process patent on some new drug substance, and insure that the process remains secure in the marketplace.

2. Then, get some research results that are exciting and can be proven to the satisfaction of the US Patent Office, and get a louse" patent for the substance.
3. Now, get an FDA approval for the substance as "safe" - and suddenly you're ready to start selling it.
4. Become a billionaire.

**"SAFE"
VERSUS
"EFFECTIVE"**

You don't need an FDA approval that the substance is "effective" for the treatment or prevention of a disease.

This type of approval normally takes 5 - 10 years and costs \$50,000,000 or so, in many cases.

You can do quite well, thank you, with an FDA approval that the substance is "safe" for human consumption.

This type of approval takes 1 - 2 years, and costs probably less than \$2,000,000.

This looks to me to be the route being taken by the Asai Germanium Research Institute.

Once the substance is called as "safe", then any doctor can prescribe it, without worry for his medical liability and without worry that his medical license might be canceled.

It is conceivable that some "fake danger" will be manufactured, so that this substance would be all the more logically. banned from the vitamin market, but left as safe in the hands of a doctor!

**NEW, CONFIDENTIAL
NEWS**

Some of the new news I have just received, confidentially, convinces me that there has never been ANY germanium commercially imported into the US from the Asai people.

There are certain companies, known to me, which have improperly claimed that they are selling 'Asai germanium", or that their germanium is made in the same factory where the Asai germanium is made. In the specific cases I know these to be false claims.

(After I had written a newsletter about the Maruyoshi Company being a reputable supplier, amazingly, one importer immediately started claiming that HE was selling Maruyoshi germanium. I heard this news when I was having dinner with the President of the Maruyoshi Company. He was dumbfounded -- had never sold any germanium to that person, and I could only guess that this person got the name from my newsletter.)

If you are interested in buying germanium, I urge you to insist that your supplier have a full documentation on the source of his supply, and trace it back to an actual manufacturer. You should also insist that your supplier has test results in his hands, demonstrating that the germanium he sells has been tested by the combination of procedures which I describe in the next Section.

I believe the Japanese Government sees the importance of this drug to their economy (from exports and license fees collected by Asai). The Japanese Government has actually just announced a limitation of 1,000 Kg of germanium to be allowed for export to the US, and has indicated that it will accept applications from genuine germanium manufacturers to have permits for export license within that limitation. The Japanese Government has finally moved to bring some order into this market, and this new restriction will make it much harder for the fake germanium companies to peddle their wares from Japan. Now you'll have to beware of Taiwan or German germanium which was actually smuggled out of Japan, being made by an unethical company that could not get an export permit.

Asai is going after the billion dollar market for an approved drug - germanium, on which they have a process patent AND a use patent.

They don't want to upset the FDA by selling their product in the vitamin market.

The FDA, of course, has been trying to eliminate the vitamin industry for years.

When approved, this drug could receive publicity and sales which no other drug ever has, in my opinion.

I believe the market for this product would be measured in the many billions of dollars, and Asai would be the ONLY company allowed to sell it and the ONLY company allowed to make the claims for it, even after their process patent expired.

You see now why the "use" patent is even more important than the process patent.

Asai is working to establish the validity of this "drug" while they can still control the production and sale of germanium. Then, with the validity of the drug established, they could go on to take advantage of their exclusive right to make the claims for interferon production.

Then, even when their process patent expires, and other companies could legally make this exact same substance, THESE OTHER COMPANIES WOULD NOT BE LEGALLY ALLOWED TO CLAIM THAT THEIR GERMANIUM COULD CAUSE THE PRODUCTION OF INTERFERON IN THE BODY.

This is fascinating, but there is still more.

When germanium is classed as a drug –

IT WILL BE ILLEGAL IN THE VITAMIN MARKET!

I believe I'm right in my conclusion -- that when Asai gets its FDA approval there will be an FDA ban on the sale or use of germanium unless it is by prescription of a properly licensed physician.

At that time there will be no further supplies which will be legal within the US vitamin and supplement market.

And, even before that, I believe that most of the importers of germanium, no matter how genuine their material, stand in danger of having the Asai people sue them for violating their US process patent.

There is an additional danger of having the Japanese Government pressure the Japanese suppliers into cutting off the

supply of germanium being shipped in violation of the US Patent Laws and in disharmony with the smooth intention of Asai to capture a billion dollar "drug" market for its product within the United States.

As the genuine germanium becomes more difficult to obtain, and as the results of its use become known, I am certain there will be increased incidents of sale of "fake" germanium - explained at length in this book.

Some people believe they know the name of the Japanese manufacturer they are importing their germanium from.

If you investigate, as I have, it turns out that the Japanese "manufacturer" is often really buying germanium sesquioxide from a hidden source and mixing it around a bit, and then selling it as if they actually made it.

Now, did I not tell you this was "hot" news!

**DO YOU WANT TO WAIT
UNTIL THIS IS AN APPROVED
DRUG BEFORE YOU CAN USE IT?**

Are YOU interested in using germanium, without waiting until it is properly approved as a "drug"...

Are you interested in selling this product in the vitamin and health market, and don't want to see your friends and customers deprived of a completely non-toxic substance that COULD be sold as a supplement, yet probably won't be for very long...

Are you someone who doesn't want to see a friend die of cancer, while waiting for FDA drug approval...

Why I guess you might be interested in the information in my book, and the information in this Section.

There is more.

A company which wants to sell germanium, right now, has a terrible threat hanging over its head.

If it explains to its distributors and sales people what germanium can do, it risks being shut down overnight by the FDA.

I know one firm that had a special meeting of their distributors at which an executive talked about their new germanium product that could be sold as a "cancer treatment".

There was an FDA man with his tape recorder in the group, and the company was forced to stop even thinking about selling germanium!

If the distributors don't know what germanium can do, they surely won't try to sell it, and a consumer wouldn't buy it.

Why Do You Think Books Like Mine Become So Popular?

Generally what happens in such a circumstance is that books like mine get bought in large quantities by all sorts of people, and distributed in all sorts of ways -- except, apparently, by the companies which sell any germanium products.

Distributors and consumers will find my book extremely valuable because it provides information which germanium-selling companies are not allowed to provide -- they get closed down by the FDA if they do provide this type of information.

It would be very difficult for the FDA to prosecute an individual, health-minded distributor for what he might say to a friend, in someone's living room.

As long as the company selling the germanium to the distributor makes no claims of any kind, it would be difficult for the FDA to attack the company itself.

In the case of Herbalife, if you know the story, the FDA attack was based on the fact that the top executives were giving educational training sessions" to their distributors, and these training sessions were used as the FDA excuse to attack the entire company.

As long as the FDA can't show a link between the Company and what an individual distributor is saying, to his friends and customers, the only person the FDA can go after will be those individual distributors.

That's a tough job for the FDA - to attack thousands of individual distributors or health food store owners!

I think you'll see my book appearing in many different places. It will be purchased by individuals who want to learn more about germanium, and it will not be sold and distributed officially by companies selling germanium products.

In addition to this book becoming a best seller in these areas, I am ready to speak to groups of people who want the truth and facts about germanium and its value.

I already have several speaking engagements lined up, and it certainly could never be claimed to be illegal that you, a citizen of this free country, could be restricted from attending a lecture given by me on the facts and effects relating to germanium.

Life Extension Educational Service does not sell germanium, nor do I recommend any company or brand, and you can see, now, why that is so.

FIRST AMENDMENT RIGHT OF FREE SPEECH

Nevertheless, I have constitutional right to speak out the truth, as I see it.

And you have a right to read anything you wish, and to listen to any information you want to listen to.

If you have an interest in learning more about germanium, please recognize that I need to make a fair return to my research and the only way I can do that is to charge money for pieces of paper (my book), my lectures (on tape or in person), or my consulting advice.

Whatever the charges may be for that information, I recognize that they will be much less than the legitimate profits that can be made in the sale of germanium to an informed consumer.

You can be sure that there will be many ties published about germanium, in the sensational press.

You can also be sure that the FDA will secretly plant misinformation about germanium in the controlled press.

WHAT SHOULD PAY FOR INFORMATION WORTH \$ 1,000,000?

I believe the information in this book, in the proper hands, could result in millions of lives becoming more healthy, hundreds of thousands of lives saved, and billions of dollars of sales to people who would, otherwise, not know a single fact about germanium.

Information must be regarded as extremely valuable, and I hope that I have arranged matters so that the value of my information can be properly recognized.

I have already provided a great deal of that information in the First and Second editions of this book.

I urge you look for opportunities to attend one of my lectures where I'll answer questions in great detail, and help educate you and your friends about the opportunities connected with the use of organic germanium sesquioxide.

There is so much more to tell you.

For instance, how does the use of hydrogen peroxide (which carries extra oxygen into the body) compare with the use of germanium?

How about SOD?

Are the cancer clinics in Mexico now using germanium?

Which multilevel marketing companies are now offering germanium for sale?

What chance is there that a US domestic company will manufacture the genuine germanium sesquioxide?

What liabilities accrue to a company offering the fake germanium -- germanium dioxide in some disguised form?

What new testing procedures are now available for determining whether or not your germanium is the genuine product - the same as referenced in the US Patent?

There is much, much more, but this will do it for now.

If this doesn't get you excited about using germanium sesquioxide, I guess nothing will!

SECTION FOUR

BILLIONS OF PROFITS AVAILABLE!

It's almost like a spy story when you start investigating sources of supply for germanium!

Germanium shows remarkable promise in a field of health where the American investor is extremely interested. According to the IA Times,

"The stock of Bristo-Myers vaulted to new highs this week on the company's announcement that it would seek permission from the Food and Drug Administration to test a vaccine against acquired immune deficiency syndrome, or AIDS.

"The specter of AIDS is terrifying, so the stock market's fevered reaction - traders adding more than \$1 billion to the market value of Bristol-Myers in a single week - is perhaps understandable."⁸¹

Another story in the Los Angeles Times, on May 29, 1987, describes a drug company that "announced" that one of their drugs was effective in treating AIDS. The price of their stock went up dramatically, then there was publicity on the "fact" that the drug might not be effective, and the price of the stock went down dramatically. The story goes on to indicate that some stockholders making personal profits on these stock price changes -- personal profits based on "inside information."⁸²

Here are the details on this commercial story about germanium. But, I must first make two very important statements.

In this section, I'm presenting a "story" that is fascinating, and possibly true.

The people involved would probably deny the truth of parts of this story, and I, myself, do not have absolute proof.

Many of the "facts" presented in this story were given to me only on the condition that I not reveal the sources!

So, my second statement is that I have disguised some of the names of the people involved so that I can avoid law suits and being shot in the night!

I have included several real names in the footnotes, so you can find some commercial sources for germanium.

Remember, this might be a completely fictitious story, and then, again, it might be absolutely true, only with some of the names changed.

THE INSIDE STORY

The story starts in Japan, with a brilliant humanitarian, Dr. Asai, who devotes his life to his research into germanium, and lived into his 70's to see germanium proven effective in treatment of cancer and other degenerative diseases.

Here's where the names begin to be altered, in part.

Dr. Asai, as he got more successful, established the Japanese Germanium Information Institute. He got a patent for making his new discovery, and both the Japanese and the American patents were assigned to the Institute.

In the meantime another Japanese company ALSO got patents on the manufacture of organic germanium, and because they had better business sense than Dr. Asai, they actually took over the Japanese market in production and sales, although not in research and prestige.

When Dr. Asai died, the Institute fell on hard times and was rescued, financially, by some new scientists and businessmen.

They had small amounts of germanium being manufactured for their continuing research use and for very limited export quantities. Their exports were all in Japanese-type consumer packaging (which would not be legal to be sold in the U.S.)

They have purchased a large medical drug manufacturing company in Japan so that they "inherited" a great deal of immediate expertise in drug research, manufacture, FDA licensing and sales.

In the meantime, some Taiwan businessmen built some equipment to make germanium -- although their quality is extremely bad. Since Taiwan material has such a bad reputation, much of their

material is actually shipped to Japanese trading companies which then sell it to Japanese "manufacturers" who repackage it, sell it to different Japanese trading companies who then export it to the US as genuine Japanese-manufactured germanium.

So, some of the "Japanese germanium" coming into the US is actually very low quality stuff made in Taiwan.

In the meantime, another Japanese manufacturer, with much larger capacity than Asai's, using the same patented process as the Asai procedure, saw the promise in this product, and started a very large production activity. They export some of their material to Taiwan where it is repackaged and shipped back to Japan for export to the US -- as genuine Japanese germanium, which it is, but with the true manufacturing source now carefully hidden!

All along, the Institute was interested in only one thing they were short of money and wanted to get enough financial backing from a distributor of germanium to finance the studies which would allow germanium to be approved as safe by the FDA.

It would cost only a few million dollars to prove to the FDA that germanium was safe.

It would cost far, far more to prove that germanium was 'effective' in the treatment of cancer or AIDS, but the cost of proving that it was "safe" was much lower and would take a relatively short time.

When the germanium is officially accepted by the FDA as "safe" then it can be sold as long as no drug-type claims are made by the seller.

Then, they would go for have in attempting to market this product.)

The Asai people, in the meantime, wanted to get germanium approved as a drug in the US, and they were short of money enough to do that. They wanted to get enough financial backing from some one to finance the studies which would allow germanium to be approved as safe by the FDA. The allowed several different Americans to believe that they would get exclusive rights to Asai germanium in return for this financial backing.

In the end, apparently, the Asai people are going ahead on their own.

The Institute feared that if the substance got out into the hands of non-professionals, there would be outrageous claims made and the FDA would step in and outlaw the substance for use within the U.S.

It would cost only a few million dollars to prove to the FDA that germanium was safe.

It would cost far, far more to prove that germanium was "effective" in the treatment of cancer or AIDS, but the cost of proving that it was "safe" was much lower and would take a relatively short time.

When the germanium is officially accepted by the FDA as "safe" then it can be sold as long as no drug-type claims are made by the seller.

Then, they would go for a drug classification, too.

In Japan the Asai patent had expired, so it was legal for any Japanese company to use the patented process in Japan and make germanium.

This germanium couldn't carry the "official" seal of the Japan Germanium Institute, but DID produce the same test results as the material being sold by the Asai group.

Now, Yankee ingenuity started to "cook" in the heads of several American executives who were familiar with the promise shown for this product.

One of these executives was a bio-chemist and believed that he could make the form of germanium that Dr. Asai had developed without using the patented process, and thus the first domestic company prepared to start making germanium domestically.

At least one, and probably several, domestic manufacturers have actually put out the toxic germanium dioxide, chelated with an amino acid to make it appear to be "germanium sesquioxide" which it is not.

Then, some of these domestic manufacturers created some fictitious name companies to advertise germanium for sale, so they could find out how much interest there was.

There were at least a few health food stores and vitamin companies who were talked into making deposit payments for germanium tablets from the hole-in-the-wall companies whose

prices were cheap and who didn't have a single tablet in stock to ship. I'll be glad, if private conversations, to identify some of the charlatans in this industry.

You can begin to see some of the confusion that has existed in this market place.

Some of the leading users of germanium recognized this confusion, and saw the need for an independent testing laboratory.

Unfortunately, I no longer feel that the Germanium Institute of North America can be relied on.

After a bit of checking around, I've selected one completely independent laboratory in the Los Angeles area, and they are developing knowledge and skills in testing germanium. I have provided them with the full set of tests which I think is adequate to test for germanium sesquioxide, and they will soon complete their study of these tests to see if they can certify a test result with these tests. Their informal, verbal opinion is that these six tests are probably adequate.

I have sent germanium samples from several different sources to this lab for tests, and will have those results to offer people who write me, on a personal basis.

Remember, this is just a story.

But, in America today, there are only a few different apparent sources of germanium.

One is the original Japan Germanium Institute, with their materials made in Japan and imported through whatever channels the Institute finally settles with. But this apparently will be only after they get a drug license.

There is also the current largest importer cooperating with the GINA and succeeding in getting several different vitamin companies to utilize their germanium. Unfortunately this group of people, including the single largest retailer of germanium products in the US had all been, at one time, associates, and because of their secrecy of sources and unwillingness to reveal their test procedures, cannot be considered a reputable supply group.

There are the two new Japanese sources - Tokai and Maruyoshi - the only actual manufacturers to identify themselves in the US market.

There are a few fringe importers who make big claims, but haven't really delivered very 'Much germanium.

And, finally, there are those resourceful American manufacturers, hidden away in secret locations, dealing through recently established distributors while claiming that their germanium is better than any imported germanium.

Some of these domestic manufacturers are simply expecting to copy the Asai patented process, and expecting to fight the law-suits, while others will claim (with varying degrees of legitimacy) that they have a manufacturing process which does not violate the Asai patent.

There are some "domestic" sources which are really importing Taiwanese or Japanese germanium, running it through their "factory" and pretending to manufacture germanium -- but really are just hiding the true source of their germanium.

And, finally, there are some domestic manufacturers putting out fake "germanium sesquioxide," and it will be very hard to detect them unless buyers pay the fee for testing at the GINA laboratory, since there are no independently established methods of testing for the authenticity of the product.

Billions of dollars in potential sales are at stake here.

If the drug companies get worried enough about the effectiveness of germanium, they will prevent it, through the FDA, from getting anything but trouble from official government sources, and then germanium will be a very high priced product, sold through "semi-professional" and "gray market" channels.

If the drug companies get control of this product, and the FDA gets what they want (control), then this product could be turned into a very high priced product, but sold through the "regular" channels of the doctors and pharmacies.

Since germanium shows great promise in treating AIDS -- certainly much better results than several of the recently popularized drugs -- the drug industry is working feverishly right now, trying to figure a way of making a drug that will do the same thing -- a drug that they can patent and make billions of profits on.

HOW CAN YOU TELL?

Perhaps the most difficult part of this whole investigation has been getting the actual details of what type of scientific test would reveal whether or not you have the actual germanium which Dr. Asai recommended.

Here are some of the technical factors involved.

It is easy to take a substance and test it to see how much, if any, elemental germanium it contains.

Elemental germanium, however, is not what Dr. Asai did his research with.

His form of germanium has this complicated sounding name, "bis-carboxyethyl germanium sesquioxide," often referred to, in the industry, as "germanium sesquioxide."

It is a central core of germanium with several other "things" hooked onto it. These things are a particular arrangement of atoms of oxygen, carbon and hydrogen.

Now, you can take any one of several different forms of germanium and test easily for the quantity of elemental germanium, but you cannot easily test for whether the right amounts of oxygen and hydrogen are hooked on "in the right places."

Elemental germanium exists in the ground, an ore. This ore can be refined into any one of several different forms of germanium "metal" or finance "mineral".⁸³

Thus, the most common form of germanium in the commercial world is "germanium dioxide."⁸⁴

This form of germanium can be purchased at various degrees of purity, with a very pure form of it selling for as little as \$700 per kilogram.

Germanium dioxide, itself, is toxic. Several people in Japan have died from using germanium dioxide products.⁸⁵

You could take this product and combine it, chemically, with any of several other very inexpensive substances and wind up with a product which might produce the same test results as when you use the "true" germanium sesquioxide.

This would depend on what test procedure that will detect, with certainty, whether or not you actually have the "germanium sesquioxide" or whether it is some cheap substitute.

There IS a technique which I've learned about, but if the details of the technique are revealed, then a fake germanium could actually be made to duplicate the results, and the testing technique would become worthless.

There is much more to be said on this subject, and I'll be providing this information on a private basis to those who request my assistance.

The Germanium Institute of North America may finally prove to be a reputable testing resource, and I only regret that I could not obtain verification of their integrity in time for inclusion of a good recommendation in this Edition. I do have some independent lab test results which indicate to me that GINA's testing procedures were not accurate.^{86 87}

I predict that there will be many, many forms of germanium being sold on the market which are not, in fact, "germanium sesquioxide" but are germanium dioxide combined with something else (an amino acid, for instance) and which would presumably NOT provide the same results as Dr. Asai's research showed that his germanium would produce.

For instance, one of the major retail marketers of germanium describes his product as "germanium chelate" which is NOT the way it comes from Japan, but it is one of the methods by which the inferior, somewhat toxic, germanium dioxide could be "disguised" to appear to be "germanium sesquioxide."⁸⁸

I obtained some samples of "germanium sesquioxide" from several suppliers and along with one of those samples I was given a very official-looking piece of paper which said, at the top, "Japan Food Research Laboratories ... Authorized by the Japanese Government." This piece of paper was presented to me as "proof" that the sample received was, indeed, "germanium sesquioxide."

Well, the sample MAY have been the real stuff, but the piece of paper didn't prove it.

The piece of paper simply proved that the sample of substance provided for testing was 42.7% elemental germanium.

That substance could have been germanium sesquioxide or it could have been germanium dioxide or any one of several other combinations.

The naive vitamin buyer might well have been impressed by the official looking s" of the Japanese government.

But..!!

But, if you read the certificate carefully, you find that the testing lab used testing procedures which were given to them by the commercial company, rather than from an independent scientific source, and that even THAT testing procedure is not identified on the certificate!

When I was in Japan, I visited the Japan Food Testing Laboratory, and an executive there admitted to me that they had no standard tests for germanium, but simply conducted whatever tests were requested by the manufacturer.

Only after the first Edition of this Book was printed did I learn of the Maruyoshi Company, and when I received a Certification their material not only was their name shown as the manufacturer, but the exact details of the testing procedure were also shown on the certificate itself. The President of Maruyoshi has promised to send me a description of the more sophisticated tests which he runs in his own laboratory.

When I visited the Tokai Company, they provided me with the exact details of six different tests which they say are adequate to determine whether or not you have the real item.⁸⁹

I have sent these test procedures off to Michelson Laboratories, Inc., to obtain an official and independent opinion of the adequacy of these tests. At the time of this writing, I do not yet have their formal report, but their informal, verbal report is that these tests are probably adequate. Anyone who reads this Book is cordially invited to call or write Michelson Laboratories to inquire about germanium testing.⁹⁰

I have submitted, personally, samples of material purchased from Global Marketing to Michelson which had also been tested by GINA. GINA tested this material as being "OK", whereas the Michelson report indicated that the germanium was probably adulterated! When I confronted Dr. Kidd with these independent

findings his only explanation was that the independent lab, in business for many, many years didn't know what type of test to run, or was inaccurate, and that his testing procedure (which he has kept a secret, and the equipment for which belongs to a university and is borrowed for his use) IS accurate.

I have to conclude, unfortunately, that the testing procedure of GINA is not reliable. I place more faith in a truly independent testing laboratory that have been in business for many years and has no past or current connection with importers or retailers of germanium.

So, there's an unfolding mystery thriller in the germanium world, and the conclusion is yet to be written.

You'll be hearing loads of claims about germanium. You probably won't see much public mention of this behind-the-scenes fight, but it is nonetheless real.

Let the uninformed beware!

SUMMARY

Organic germanium is a fascinating new substance, and holds out promise to be a cure or part of a cure for many diseases that are costing Americans billions of dollars for the slash, burn and poison technology of the AMA and drug companies

You can and should read more about germanium in Dr. Asai's book, and in the many scientific studies that have been done in both Japan and the U.S.

This just could be the substance which could save your life!

SINCERELY,

**KARL LOREN
SPEAKER FOR LIFE**

NOTE

An early manuscript of this Book was used as the source of an article which appeared in the national news weekly, "*The Spotlight*," March 9, 1987. This Book includes most of that material, plus considerably more. Also, information which became available to Karl AFRER the article for "*The Spotlight*" has changed some of his conclusions, and those new conclusions are contained in this Book.

Life Extension Educational Service (LEES) does not sell or recommend any specific brand of vitamins or company. However, one of the services offered by LEES is to provide answers to questions and opinions on any brand or company, when requested.

Karl Loren promises to reply personally to every letter written to him in care of LEES, 1759 Cosmic Way, Glendale, CA 91201.

FOOTNOTES

1 In any good dictionary, look under 'Periodic Table of Elements,' and find germanium listed as an Element with Atomic Number 32.

2 Germanium became most popular as a 'semi-conductor' - a special class of substance used

in transistors, and is still extensively used in these applications, although silicon has mostly taken its place because silicon is much less expensive to make.

3 'World Without Cancer', by G. Edward Griffin, published by American Media, Westlake Village, CA, page 19.

4 For instance, see 'Super-Nutrition For Healthy Hearts' by Richard Passwater, PhD., Pages 10 - 19. Literally thousands of authors have written about the fact that cancer, heart disease and other 'modern' ailments are the result of man's 'modern' diet and lifestyle.

5 For instance, read 'Homogenized!' by Nicholas Sampsidis, M.S., who writes about how drinking homogenized milk causes heart disease. The process of homogenization was introduced within the dairy industry as a commercial (not a health) solution to the problem of storage and transport of milk. This remarkable book describes the research done by Dr. Kurt A. Oster, and is published by Sunflower Publishing Inc., Glenwood Landing, NY 11.547. You can also get material on this subject written by Karl Loren. Also, see 'Save Your Life', by Michael L. Culbert, published by The Donning Company, Norfolk, VA 23502.

6 'Report From Iron Mountain on the Possibility and Desirability of Peace', by 'John Doe', as provided to Leonard C. Lewin, published by The Dial Press, Inc. 1967.

7 'The Miracle Cure: Organic Germanium' by Dr. Kazuhiko Asai, published by Japan publications, Inc., distributed in the U.S. by Harper & Row, Publishers, Inc., 10 East 53rd St., New York, N.Y. 10022.

8 Private Communication, dated February 20, 1987, from the top Japanese Government Researcher in charge of AIDS Prevention, Dr. Kanco Yamada, addressed to Dr. James O. Mason, Director of the Center For Disease Control, Atlanta, Georgia, copy in my files.

9 As both the first and second editions of this Book were being written, I received almost daily phone calls and visits on the subject of germanium. I postponed the publication of both editions several times because I realized that another delay would allow me to include some further information that would be valuable. Much of this information, unfortunately, has been given to me only under circumstances that I could use it but not publish the names and details. This IS a currently 'hot' subject.

10 'La Vie', issue of December, 1986, in Japanese, with extensive story about germanium starting on page 30. The man who gave me this magazine went down the list, pointing at brands of germanium products where the owners had actually been arrested and put in jail for selling toxic forms of germanium.

11 Report From Iron Mountain.'

12 'The amount of contamination put into the air around Los Angeles, for instance, is now

measured in HUNDREDS OF TONS PER DAY of solid material - Shot up into the air from car exhausts and factory emissions.

13 Report From Iron Mountain'

14 Unpublished manuscript by a medical doctor to be prepared as a book by Karl Loren, to be published during 1987 or 1988.

15 AIDS, for instance, is generally perceived as a homosexual disease, and the truth is that increased frequency of homosexual 'contacts, greatly increases the chances of catching AIDS, or dying all the more quickly from it. A person who has homosexual relations with only one other person (both being completely 'faithful') is no more likely to catch AIDS than 'regular people,. 'Thus, rather than being considered a 'Gay Disease', AIDS is more

16 accurately classified as a 'disease of promiscuity., Semiconductor- la mineral crystal, such as germanium or silicon, that conducts electricity with an efficiency between that of metals and insulators. Semiconductors convert alternating current into direct current and sunlight into electricity. They are also used as amplifiers replacing vacuum tubes in radios, and in certain electronic instruments.' The World Book Encyclopedia Dictionary.

17 Asai, *ibid*.

18 I'll be writing another book on the magic benefits from using garlic.

19 August 9, 1971, issue of Newsweek: "A three-year-old girl contracted kidney cancer. One of the kidneys was excised, but the cancer spread to the cranial bone. She became emaciated, her hair had fallen out and her skin had turned yellow. Her whole system was affected by cancer and the doctor had given up her case as hopeless. 'As a last resort, the parents set her in a wheel-chair and went to Lourdes, where the cancer-stricken girl was dipped in sacred water of which she also drank. No sign of improvement appeared, and the discouraged parents brought their daughter back to Glasgow, Scotland, to let her die at home.

'On the morning of the third day after their return, the girl suddenly sat up in bed and asking for an orange she began eating it. From then on her condition began to improve and several days later, the tumor disappeared and she was once again a healthy girl.'"

20 Asai, pg. 14.

21 Asai, pg. 14-15.

22 One such product is hydrogen peroxide, considered helpful in taking extra oxygen into the body, therefore called a 'pro oxidant'. A similar type of substance is called an 'anti oxidant' such as SOD, or super oxide dismutase. This is proving very effective in treating arthritis and cancer. One of the ways SOD works is simply to neutralize one of the forms of 'dangerous' oxygen that is commonly produced in your body.

23 'Antioxidant Adaptation' by Stephen A. Levine, PhD., and Parris M. Kidd, PhD., published

by Biocurrents Division, Allergy Research Group, San Leandro, CA. Also: 'Oxidology, The Study of Reactive Oxygen Toxic Species (ROTS) and Their Metabolism in Health and Disease, by Robert W. Bradford, MD, published by The Robert W. Bradford Foundation, Los Altos, CA 94022.

24 In industry this is called 'electrolysis' - the decomposition of a chemical compound by the passage of an electrical current through a solution of it.

25 Electrochemical photolysis of Water as a Semiconductor Electrode, by Dr. Asai, in Nature, Vol.238, July 7, 1972, Pg. 37.

26 The actual name of Dr. Asai's form of germanium is "bis-carboxyethyl germanium sesquioxide' and the formula is (GECH₂CH₂CH₂)₂O₃. This substance features three oxygen atoms affixed to each germanium atom. The oxygen atoms, in turn, combine with germanium atoms in a manner resembling a bed of flowers or a regularly expanding gymnastic formation. True 'sesquioxide' is water soluble, which inorganic forms of germanium usually would not be.

27 Asai, pg. 15.

28 This test results in a number which is referred to as the 'LD' number. The lower that

so number is, the more toxic the material is, because this number represents the dose which will kill 50% of the animals in the experiment. Thus, an LD₅₀ of '2 mg' represents a substance is so toxic that only 2 mg will kill half of the experimental animals, whereas the second substance requires that the animals receive 200 mg before 50% of them die.

The FDA will normally look at the likely uses and claims for a substance can be sold. Thus, selenium is considered 'safe' when you take 200 micrograms per day, and dangerous when you take 2 milligrams per day. (I didn't have the LD₅₀ for selenium at the time of this writing.) Thus, the FDA will not allow a tablet of selenium to be sold where a potency is 200 micrograms per tablet because it then would be so easy to take 10 - 20 tablets -- a dangerous dose. So, selenium is normally sold in single ingredient tablets containing only 10 or 20 micrograms - it would take swallowing 50 to 100 tablets to get a dangerous dose.

In this same vein, Germanium Dioxide is probably 'safe' when taken in very low doses, but if someone thought that the Asai recommendations on dosage could be applied to 'germanium dioxide' they could then attempt to take very large doses of germanium dioxide, and thus receive a dangerous level of this substance. Thus, the FDA will 'look' at the claims made for Dr. Asai's form of germanium (non toxic) and see that a different substance is being confused in the minds of consumers with the 'real stuff'. The FDA reaction is to ban the sales of BOTH TYPES OF GERMANIUM in any tablet size that would make it possible to swallow the doses recommended by Dr. Asai

Germanium Dioxide has an 'LD₅₀ intraperitoneal in rats of 750/kg". This means that when you take a standard number and breed of rat, and administer the prescribed way (injected into the stomach), 50% of individual of them will die by the time the individual dose equals 750 milligrams for every kilogram of body weight for the rat. A dose of 750/kg for a human would mean a dose of about 50 grams injected into the stomach.

In Dr. Asai's book he reports that he had an independ lab do these tests and they established that the LD₅₀ for his germanium was 10,000 milligrams per kilogram of body weight. This would be the equivalent of injecting about 500,000 milligrams of germanium into the stomach of a human

The maximum dosage of organic germanium advocated by Dr. Asai is about 5,000 milligrams per day. Thus, it could be said that Dr. Asai's germanium (sesquioxide) is completely safe at a rate 10 times higher than the rate used to establish the dangerous dose of germanium dioxide. In a review article by Parris M. Kidd, PhD., "Germanium-132: Homeostatic Normalizer and Immunostimulant – A Review of its Preventive and Therapeutic Efficacy", his Appendix lists a large number of toxicity studies done on germanium, all showing it to be extremely safe at the dose described by Dr. Asai

29 Asai Pgs.159-166.

30 Because there was NO toxic level of germanium found in than he was using, Dr. Asai has claimed that it cannot ever be considered a medicine or a drug.

31 For instance, the 'how' of aspirin 'curing" headaches has been claimed to be unknown for years, but it now appears that aspirin simply robs certain parts of your blood of oxygen, basically causing you to become 'numb to the pain. So, the amount of oxygen in your blood, and thereby contributes to all the diseases, including heart disease, cancer and many others.

33 Send payment to Life Extension Educational Service, \$20.

34 See Section Four for more details on this story. This will be published by Vantage Press, due to be released in June, 1987.

35 Laetrile has been hounded into non-use despite the promise it showed in cancer treatment. The FDA and drug companies stand convicted by the common evidence presented in the World Without Cancer' by G. Edward Griffin, and in 'Save 'Your Life', by Michael L. Culbert. You can get laetrile treatments in Mexico, but not easily in the United States.

36 For instance, a famous California doctor, Dr. Bruce W. Halstead, was investigated by 'fake' patients to whom he 'prescribed' a form of Taheebo Tea. His Medical License has been revoked. The AMA is particularly worried about medical doctors who prescribe or dispense non-drug substances to prevent or treat and possibly cure a disease. Non medical people can do this same thing with less danger.

37 This may be already started! I have reports of companies selling germanium dioxide forms of germanium to the public.

38 Biotics Research Corporation, Houston, Texas, their product GE-Zyme which is made by

growing a special plant in a hydroponic-type culture enriched with germanium. Another firm 'grows' a yeast from a culture enriched with germanium, and then sells the yeast powder as guaranteed to contain 500 micrograms per gram of yeast. This is CellLife Corporation in San Diego, California.

The only two sources, currently, of an organic form of germanium in higher potency are Vibrant Life, Burbank, California, and Natrol, Chatsworth, Cal. Other retail sources, in low potencies include Weinstein Nutritional, Earthrise Company, Argo-Mar, Traco labs, Pure Gar, Montana Big Sky, Prince of Peace.

39 Dr. Asai's book quotes a rate of 500 parts per million for germanium in garlic, but a private communication from a Japanese executive who knew Dr. Asai well, indicates that Dr. Asai discovered that he had made a decimal error on all the percentages shown for 'natural' germanium - and that all the percentages in his book should be reduced by a factor of 10. I have used the 'corrected' figures in this book.

40 Unpublished Stucki manuscript, Pg. 73. "... it would cost a tremendous amount of money to cure cancer with germanium if you were going to get the contents from Ginseng. It costs \$120,000 a month to take 6 grams [daily] of germanium from high quality ginseng..."

41 Maruyoshi Co., Inc., 103-2 Higashihowa, Yayoicho Toyohashi, Japan 440. The exclusive sales agent for Maruyoshi, outside Japan, is Dr. Grant Stucki, 2420 Torrance Blvd., Torrance, CA 90601. The Maruyoshi factory is named the Takachiho Cango Co. Ltd

The Maruyoshi holds three patents, in Japan, for making germanium sesquioxide by a process which is different from the Asai patented process. The patent numbers, in Japan, for the Maruyoshi patents are 53-133096, 56-128789 and 56-148246.

To the very few people who really understand the significance of these three patent numbers, in this Book, this information will be of tremendous value. These patents demonstrate that importers, manufacturers and distributors of germanium in the US who purchase material made by Maruyoshi can be assured of a supply uninterrupted by lawsuits brought by the Asai group, against those importers or distributors selling germanium made in violation of the Asai patent.

42 Solvic Co., Ltd., Yoshino Building, 3-5-12, Nihonbashi, Chuoku, Tokyo 103; President, A. Kimishima, is the export company for Tokai Sangyo Co., Mr. M. Hara, President. Mr. Hara holds a patent for the manufacture of germanium. The telephone for Solvic is (281) 4082 and their fax is (281) 4088.

43 The US Sales Representative for Solvic and Tokai germanium is Mrs. Mina Sartipi, 16265 N.E. 1st St., Bellevue, Washington 98148, phone (206) 643-5268.

44 This substance. Dr. Asai's germanium, contains about 42.7% pure, elemental germanium. It has two unique identification numbers within a numbering system managed by the American Chemical Society. The numbers are referred to as 'CAS' numbers, and are 27031-31-8 and 12758-40-6.

Believe it or not, the information within this footnote has been "kept secret" by certain interests who do not want the public to have accurate information about germanium. Some of the best informed scientists interested in germanium are not aware of the fact that germanium sesquioxide has a 'CAS' number.

45 In the earlier version of this manuscript, including the material printed in The Spotlight for their edition of March 9, 1987, I incorrectly states that Dr. Asai's patent was on a method of extracting germanium from plants. That was wrong. The patent is for a method of synthesizing germanium from an inorganic source. At the time of writing that version, also, I had incomplete data and indicated that that Asai patent was still in force within Japan. It was not. Finally, in that earlier version, appearing in print on March 9th, I did not indicate that there was an American patent in force. There is.

46 Global Marketing Associates, Inc., San Francisco, CA, offers imported germanium sesquioxide in bulk form.

It is very unlikely that any domestic manufacturer is yet actually manufacturing this substance. There are domestic companies which claim to be making it, but I know, as a matter of personal experience, that some of them are promising delivery when they know they cannot deliver. Possible domestic manufacturers (or brokers for those manufacturers) include TriArco, and FCC Products, both in New Jersey, and Penncon in New York.

47 Actually, as the "germanium sesquioxide" is manufactured, some of the intermediary products are extremely toxic and should pose considerable production hazards to the workers if the processes were not very carefully controlled.

The point is that there are many laboratories in the U.S. where the proper equipment and procedures are already in place, and where germanium sesquioxide could easily be manufactured, despite the hazardous nature of the proem. However, most simple vitamin laboratories, equipped to do 'simple reactions' could not safely make this germanium sesquioxide. One test of the authenticity of the substance, then, will be a simple inspection of the manufacturing facility to see if they are equipped to handle intermediary substances such as "trichlore-germanium ethylene cyanide" or "germanium chloroform". This entire reaction process is provided on pages 157-158 of Dr. Asai's book.

48 Interestingly, there are many very ethical manufacturers of germanium dioxide who are absolutely unwilling to sell any of their products for ANY use for human consumption because of their concern for liability for illness or death, even though they would only be selling a bulk material. Unfortunately, all such manufacturers of germanium are not so ethical.

49 One of the largest and apparently very respected packager quoted me a price for 'germanium' tablets and admitted, upon my very close questioning, that they had no idea of the difference between germanium dioxide and germanium sesquioxide.

They were ready to sell me the toxic form of germanium, apparently, with no investigation of the product. In fact, this very large supplier told me that they had already been shipping fairly large orders to some other customers - orders that must have involved toxic forms of germanium. I know, for certain, that these cheap, toxic forms of germanium are now going out into the market place. It becomes all the more important to be sure of the knowledge and honesty of your source of supply.

50 Dr. Grant Stucki. See Footnote # 40.

51 One of the earliest firms to offer high potency germanium has flip-flopped continuously as to how they describe their product. At one point they called it 'germanium chelate' which is virtually a non-existent substance. At another point they were claiming to have 'Asai germanium' when there was no chance they had anything made by or sold by the Asai Germanium Research Institute. I shall not name this company, in this Book, but that source will recognize himself from this footnote, and I invite him to provide me information about the genuine nature of his product.

52 In the previous article published in The Spotlight, I incorrectly reported that the Asai people still had a valid patent in Japan. That is not true, and thus it is quite legal for other Japanese manufacturers to make germanium sesquioxide, now, in Japan.

53 The following information has, literally, been kept as a secret by the very few people who knew it. The fact that it is presented here makes this footnote, alone, headline news! Here is one test that can be run to determine whether a substance claimed to be genuine

germanium sesquioxide is or not: 'Weigh accurately 0.2 g of a sample previously dried at 1050 for 2 hours, and dissolve it in 50 ml of water, warming gently until solution is complete. Cool, add phenolphthalein TS and titrate with 0.1 N sodium hydroxide. 0.1 N NAOU 1 ml = 16.966 mg (GECH 2CH 2COOH)203' It is possible that further tests, using more sophisticated equipment, would be necessary to distinguish between some otherwise similar substances.

54 Doctors are intensely educated on the subject of drugs in medical school, but then depend, for their continuing education, upon the army of drug company 'detail men' - typically med-school students who have dropped out of med school -- to keep them educated on the new' drugs.

These detail men earn very good salaries, see very few doctors per day, and thus the actual cost of educating the doctors is very high.

A New York Medical Doctor, Dr. Levine, reports that he examined the September, 1983 issue of The New England Journal of Medicine. It contained 99 pages of science articles and information for the physician. It contained 200 pages of drug advertising.

I have examined the contents of many of the 'authoritative medical journals' only to find that the advertising rate sheets prove that each issue of many of such magazines contains \$20 to \$100 worth of advertising pages for every copy of the magazine that is printed.

In other words, a group of drug companies will spend \$100,000, all together, advertising in a specialized medical journal which has a circulation of only 2,000 doctors, making this magazine 'cost' these advertisers \$50 per doctor to get the magazine onto the doctor's desk.

55 Drug sales are a very big business -- big on the promotion and big on the profits. The Los Angeles Time, front page, March 11, 1987, carries the story about 'AIDS Drug AZT May Cost Users \$10,000 a Year'. The story doesn't give the daily dosage, but this translates to about \$V per day for this drug.

56 See 'Antioxidant Adaptation' and 'Oxidology', referred to in footnote #22. See also many of the other footnotes in this section. For a good, less technical review, read the article in The American Chiropractor, July, 1986 issue, by Drs. Stephen A. Levine and Parris M. Kidd.

57 Unpublished Niwa manuscript by the American Doctor and Japanese Scientist, Pg. 75.

58 Asai Germanium Research Institute Co., Ltd., Izumihoncho 1-64, Komae-Shi, Tokyo,

Japan. Telephone 03 (488) 1132; FAX 03 (488) 1142.

59 Unpublished manuscript, Pg.59, further, "Cancers electric potential is high, and it is always changing and is clearly distinguished from that of normal cells. Since germanium has a nature of taking an electron out of other atoms, and when it approaches cancer cells, it takes out the electrons of cancer cells and lowers the electrical potential. Cancer cells whose electric potential was lowered becomes irregular in its multiplication, and will stop its activity."

60 Unpublished manuscript, Pg. 61. "Radioactive rays release electrons that destroy cells and blood corpuscles ... Germanium floating near the blood corpuscles skillfully catches those released electrons and lets them move around its own nucleus. So it prevents blood corpuscles from being destroyed by radioactive rays. For that reason, those who are under radioactive therapy should take germanium to protect them from the damages of radioactive rays."

- 61 Unpublished manuscript, Pg. 160. "95% of all children who us4 selves, who have autism, and who refuse to go to school are not but are influenced by the lack of oxygen and nutrition."
- 62 Unpublished manuscript, Pg.70.
- 63 Japan Journal of Cancer Chemotherapy 1982:9, 1976-80.
- 64 Journal of Biological Response Modifiers 4:159-168, 1985.
- 65 Unpublished manuscript, Pg. 64.
- 66 International Archives of Applied Immunology 63:338-339,1980.
- 67 Unpublished manuscript, Pg. 95. 'Calcium must be ionized to be absorbed. If there is germanium near calcium, the electrons fall into the holes of the germanium electrons, and becomes ionized. Then its absorption rate will be 2-4 times greater.'
- 68 Unpublished manuscript, Pg. 103.
- 69 Acta. Path.Jap.(1)63-71,1976
- 70 Proceedings of the 11th ICC and the 19th ICAAC:1980, p. 1527 Univ- 3-4 25,89 1978. The Cancer and Chemotherapy Publisher,
- 71 Microbiological Immunology, Vol. 29(1)65-74,19a5
- 72 International Journal of Radiat.Biology 1982, Vol 42, No 6,653-6 73
Presentation at the 64th Conference of the Japan Pathological Society, held in April 1975: "in ICR mice two years old, spontaneous development of amyloidosis in various organs of 12/14 cases, including the kidneys, digestive(and adrenal glands. No relationship of amyloidosis with chronic inflammation was established. Mice of the same strain were used as an experimental group. These animals were fed organic germanium from five weeks of age for a period of 2 administration groups, amyloidosis was induced in 3/6 cases. 0 mg/kg administration groups, 12/14 cases presented no sign of its development."
- 74 Proc. Japan Cancer Assoc. 11 Annual meeting of 1979, P. 193.
- 75 Anticancer Research 5:479-484,1985
- 76 Journal F Interferon Research, Vol. 4, No. 2, 1984
- 77 KEIV, from midnight to 6 AM. I will have a professional recorrc edited into an album of 5 or 6 cassettes. This album should be available for sale by August 1987.
- 78 FDA Consumer, Vol. 21, No. 3, April 1987, pages 7 - 10
- 79 See photos of an AIDS virus actually invading a human cell, from research done at Osaka Medical College in Japan, as reported in the Los Angeles Times, May 24, 1987, Part I, Page 34.
- 80 United States Patent Number 4,473,581, issued September 25, 1984, assigned to Asai Germanium Research Institute, Tokyo, Japan, filed May 11, 1982.
- 81 LA. Times, March 20, 1987, Page 1 of Part IV, the Business Section. This article goes on to indicate that many other drug companies are enjoying extremely rapid increases in the values of their stock - in response to specific announcements of new drugs, including Upjohn rising 40% so far in 1987 because of its new "regaine" a hair restorer; Merck up 30% announcing Mervacor for lowering cholesterol; Squibb up 40%, with Cepoten, a drug

that combats high blood pressure. Perhaps the industry favorite, among investors, is Merck, whose sales are projected to grow from the present \$4.1 billion by 43% within a couple years, and with profits growing even faster. In another book which I am writing, I identify Merck as the possible source of a contaminated source of vaccine that may have caused more disease than they have 'cured' with their drugs.

82 LA. Times, May 29, 1987, Part 1, Page 3, story about ICN Pharmaceuticals and its drug 'Ribavirin'.

83 In a private communication, a mine owner in Scottsdale, Arizona described to me that he had a mine which assayed out with ore containing 14 pounds of elemental germanium per ton of ore. He said he knew of other mines where the germanium was as high as 20 pounds per ton of ore.

Germanium is not difficult to find as an ore, in the earth.

84 Germanium Dioxide, GeO_2 69.41% germanium, 30.59% oxygen, molecular weight 103.60. Data from the Merck Index, Tenth Edition, published by Merck & Co., Inc., Rahway, NJ. This form of germanium is often sold in the market place as 'nine nines pure' meaning that it is 99.999,999,999% pure germanium dioxide.

85 Toxic levels are measured by how much of the substance would have to be administered in a standardized test to a group of animals so that 50% of the animals would die. For germanium dioxide that dosage would be 750 milligrams of germanium dioxide for every kilogram of body weight. Data from the Merck Index.

86 GINA, PO Box 8207, Berkeley, CA 94707, phone (415) 527-688971, Parris M. Kidd, PhD, Executive Director.

87 I have been invited to serve on one of the Boards of this Institute. I certainly feel there is need for such an Institute, and am ready to endorse that organization fully only when their full testing procedure is made public, and validated by some independent scientific source.

88 There IS one other factor that may be involved - those who market germanium have been so terrified of FDA attack that they have often put 'safe' 'false' claims in their literature - as 'extract of ginseng containing 100 mg of germanium per tablet . . .', or some such, even though the ginseng in the tablet is definitely NOT the source of the claimed germanium.

89 I am quite willing to provide the full details of these six different testing procedures to anyone who requests them, at no charge other than some modest photo-copy charge.

90 Michelson Laboratories, Inc., 6280 Chalet Drive, Commerce, CA 90040. Telephone (213) 9280553, Don Olbrantz, Director of Laboratory Services.

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End

KARL LOREN

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