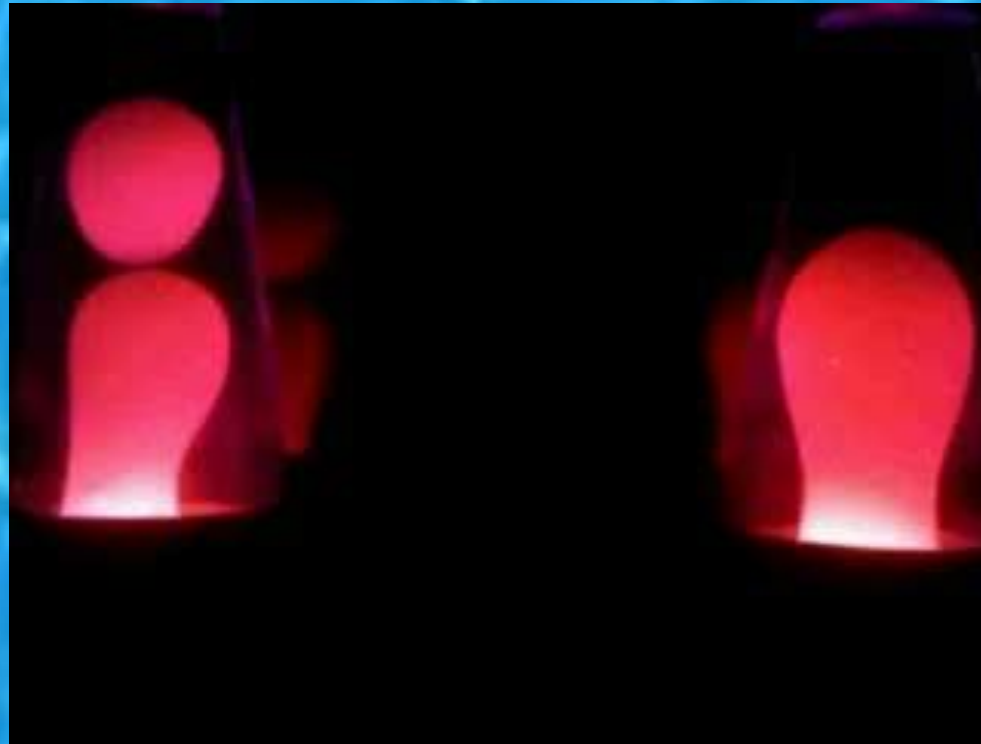
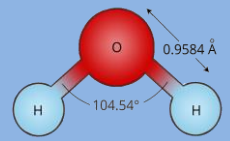


Structured Water and Inflammation

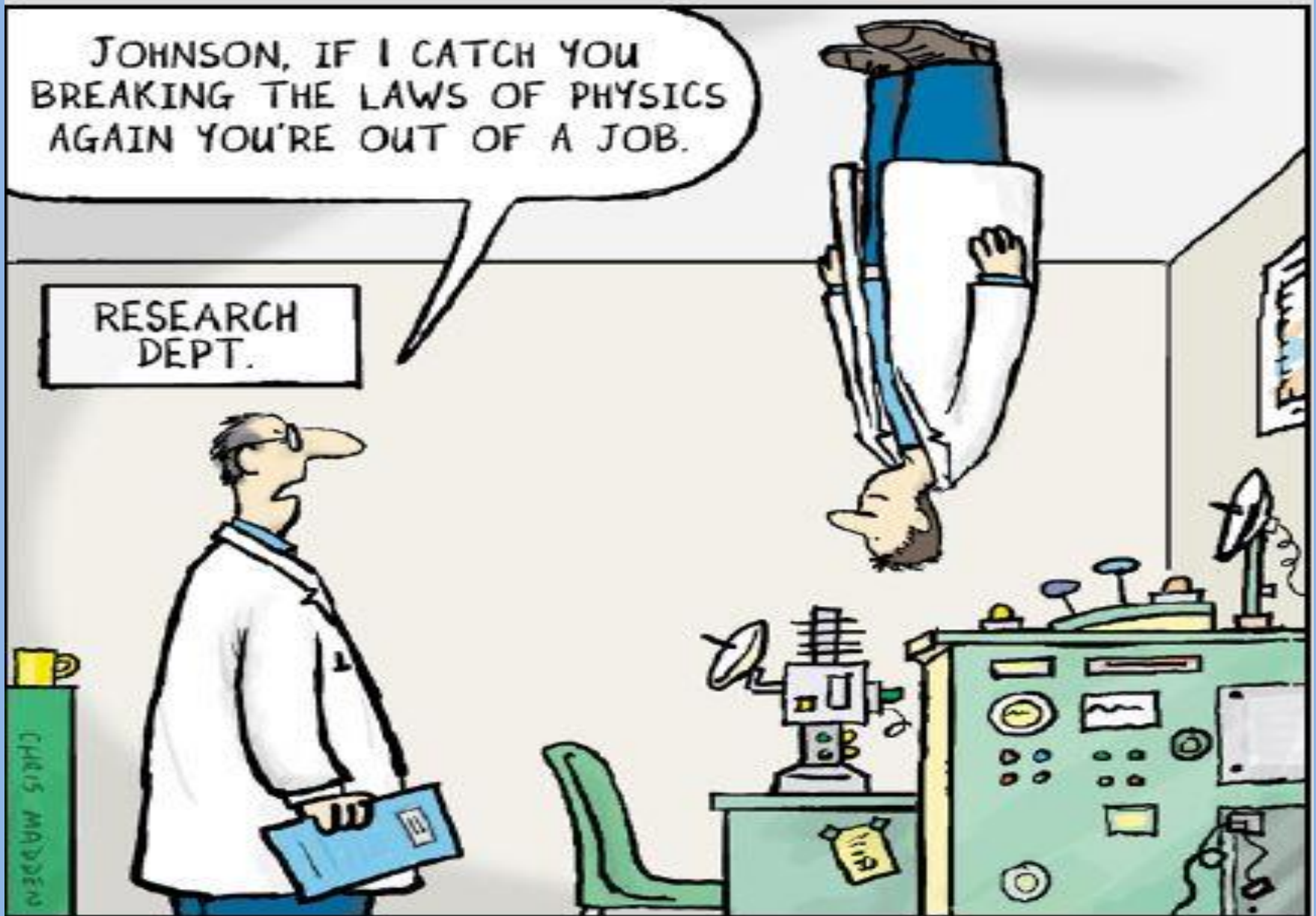
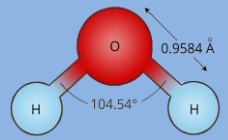




Timothy Winey

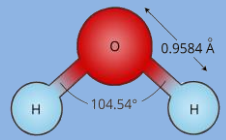
Basic Research Ltd.

basicresearchLtd@gmail.com



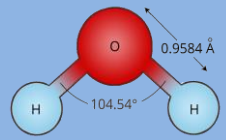


Dynamic Torsion Fields



I have made a discovery regarding the structuring of water and other liquids based on an obscure physics field called torsion.

Following a series of unexpected experimental results, the following questions have been raised.

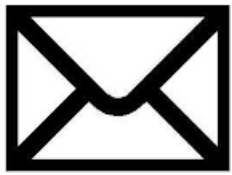


Could the structure of water be the *source* of disease rather than a mere symptom?

Could water be structured in order to prevent, or even reverse, disease?

How would "healthy" water differ from "sick" water?

email



Best known for his pioneering work on superconductivity and quantum tunnelling, he was awarded the Nobel Prize in Physics in 1973 for his prediction of the Josephson effect, made in 1962 when he was a 22-year-old PhD student at Cambridge.

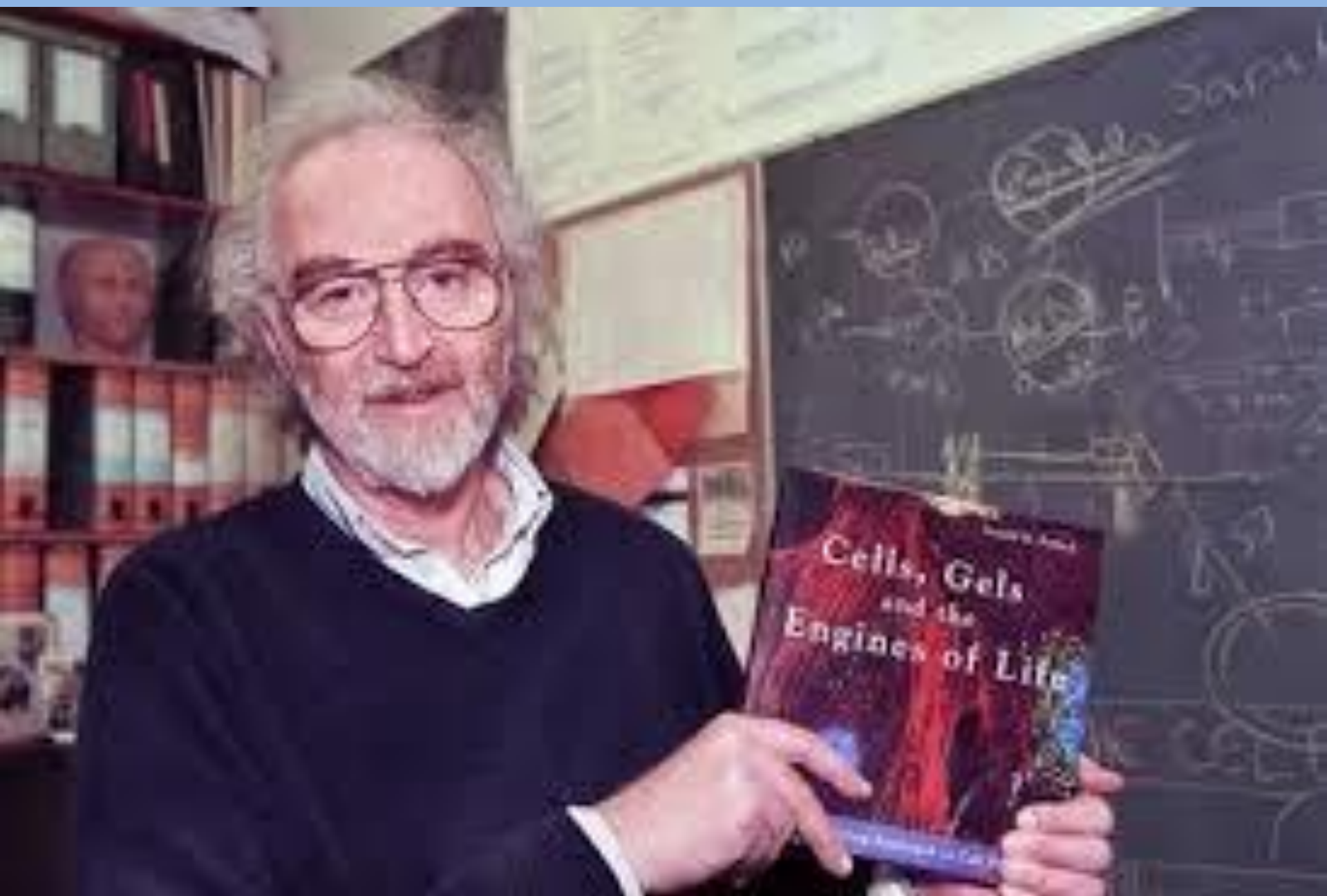
email



DR. GERALD POLLACK AND

STRUCTURED WATER
SCIENCE

www.waterconf.org/



www.waterconf.org/



exhausted all h
depths of all th
that the great
reference to so
force, "Nothing
consistent with
things as these,
consistency."



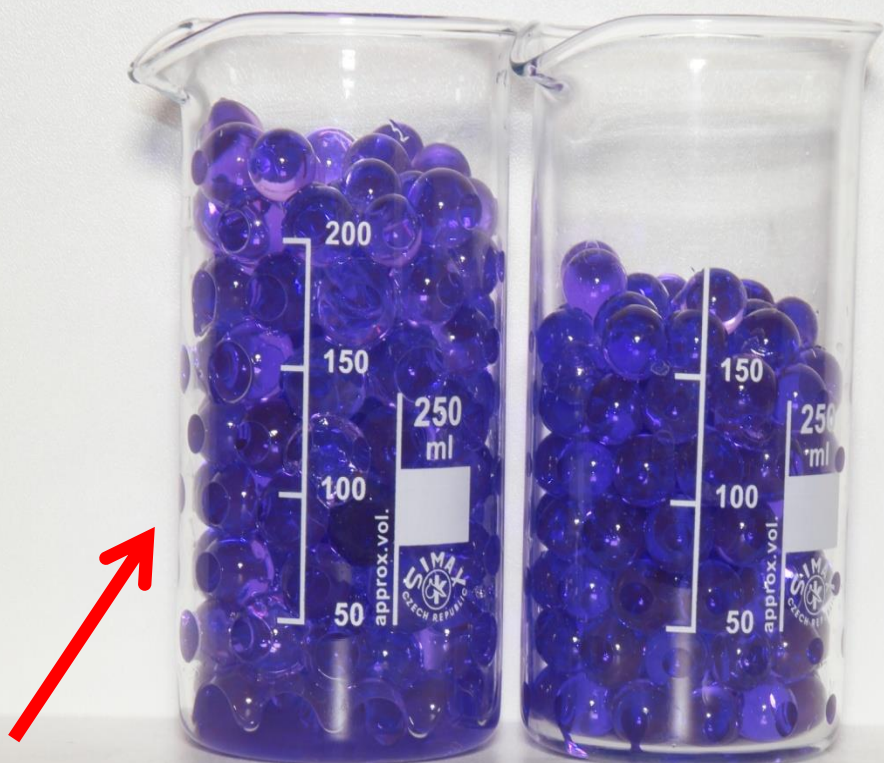
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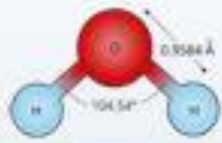
OB
MDCCC
XCVI

S. M.
CARLBERG





Structured



Structured

Oil, Water and Rice

A photograph showing two test tubes on a dark blue surface. Each test tube contains a clear, colorless liquid at the bottom and a distinct, bright yellow layer on top. A hand is visible on the left, holding the first test tube. The background is dark and out of focus.

Structured



Structured

Structured



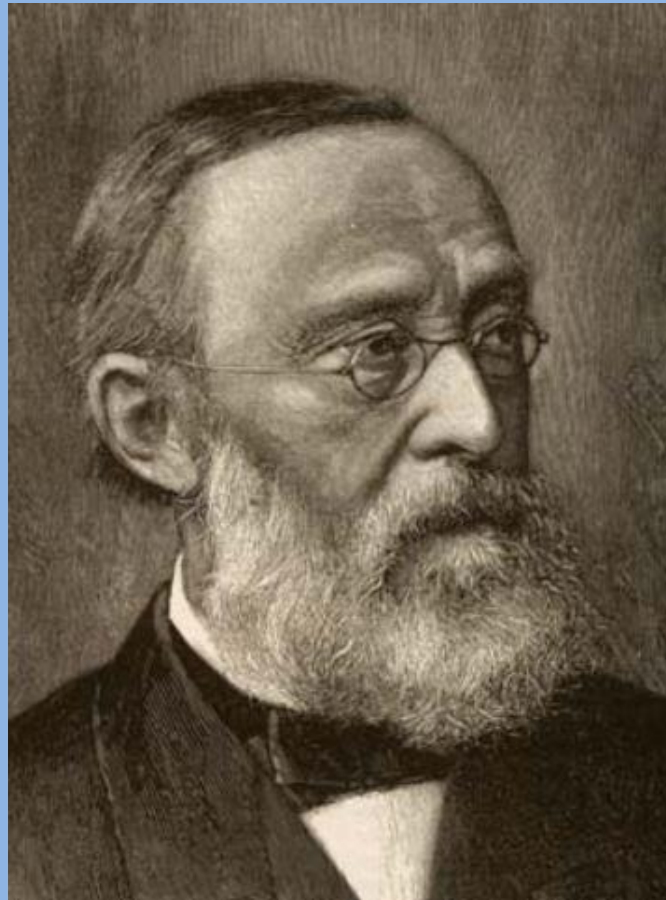


Extensive research during the last two decades has revealed the mechanism by which continued oxidative stress can lead to chronic inflammation, which in turn could mediate most chronic diseases including cancer, diabetes, cardiovascular, neurological and pulmonary diseases.

The link between inflammation and cancer has been suggested by epidemiological and experimental data and confirmed by anti-inflammatory therapies that show efficacy in cancer prevention and treatment.

The fact that continuous irritation over long periods of time can lead to cancer had already been described in the traditional Ayurvedic medical system, written as far back as 5000 years ago.

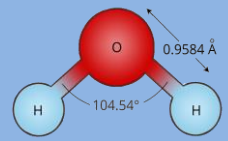
Rudolf Virchow 1821-1902 first noted that inflammatory cells are present within tumors and that tumors arise at sites of chronic inflammation (chronic irritation theory).



It was only towards the end of the 20th century that Virchow's theory was taken seriously. It was realised that specific cancers (including those of mesothelioma, lung, prostate, bladder, pancreatic, cervical, esophageal, melanoma, and head and neck) are indeed strongly associated with long-term inflammation. In addition, it became clear that long-term use of anti-inflammatory drugs, such as aspirin, reduced cancer risk. Experiment also shows drugs that block inflammation simultaneously inhibit tumour formation and development.

During inflammation, mast cells and leukocytes are recruited to the site of damage, which leads to a 'respiratory burst' due to an increased uptake of oxygen, and thus, an increased release and accumulation of reactive oxygen species (ROS) at the site of damage.

Inflammatory cells also produce soluble mediators, such as metabolites of arachidonic acid, cytokines and chemokines, which act by further recruiting inflammatory cells to the site of damage and producing more reactive species. This sustained inflammatory/oxidative environment leads to a vicious circle, which can damage healthy neighboring epithelial and stromal cells and over a long period of time may lead to carcinogenesis.



The properties of EZs described by Pollack and coworkers overlap to some extent with those of water “coherence domains” (CDs) proposed by del Giudice *et al.* based on quantum field theory calculations. “Coherence domains” provide a “redox pile” of “quasi-free electrons.” This means that organized water itself can, and most likely does, function as an antioxidant.

Structured



Pollack was also able to show that aspirin for example, dramatically enlarged the exclusion zone (EZ) in water whereas anesthetics such as lidocaine, collapsed it.

Thinking back to the correlation of aspirin with reduced inflammation and concomitant lowering of cancer risk, substances that “mask pain” while collapsing the exclusion zone (EZ), a zone correlated with normal (non-inflamed) function, may warrant caution.

Proteolytic enzymes also have a long history of reducing inflammation and even reversing advanced cancer (Dr. Beard discovered this in the late 1800's). Perhaps digestive enzymes also somehow work to expand the exclusion zone of water?

Despite the controversy his enzyme thesis created, in 1906 he was nominated for the Nobel Prize for his work in embryology.

In 1911, he published *The Enzyme Treatment of Cancer and Its Scientific Basis* to favourable reviews. Though in his lifetime the scientific community never embraced his ideas about cancer—he died in relative obscurity in 1924—in recent years, evidence from molecular biology and stem cell research increasingly confirms many of Dr. Beard’s fundamental precepts.

-Dr. Jack Kruse

Water, it turns out, is the medium and the message used to integrate life in a cell, but it also forms the direct means of life in all living things. The medium and message are controlled by physics, and the means is controlled by chemistry, but the sum of all, forms the biology of quantum water dynamics which rewrites cell theory as we know it. Yes, it changes everything you know.

Could we be asking the wrong questions about water?

Q1. Am I getting enough water?

Q2. Am I getting enough of the right kind of water?

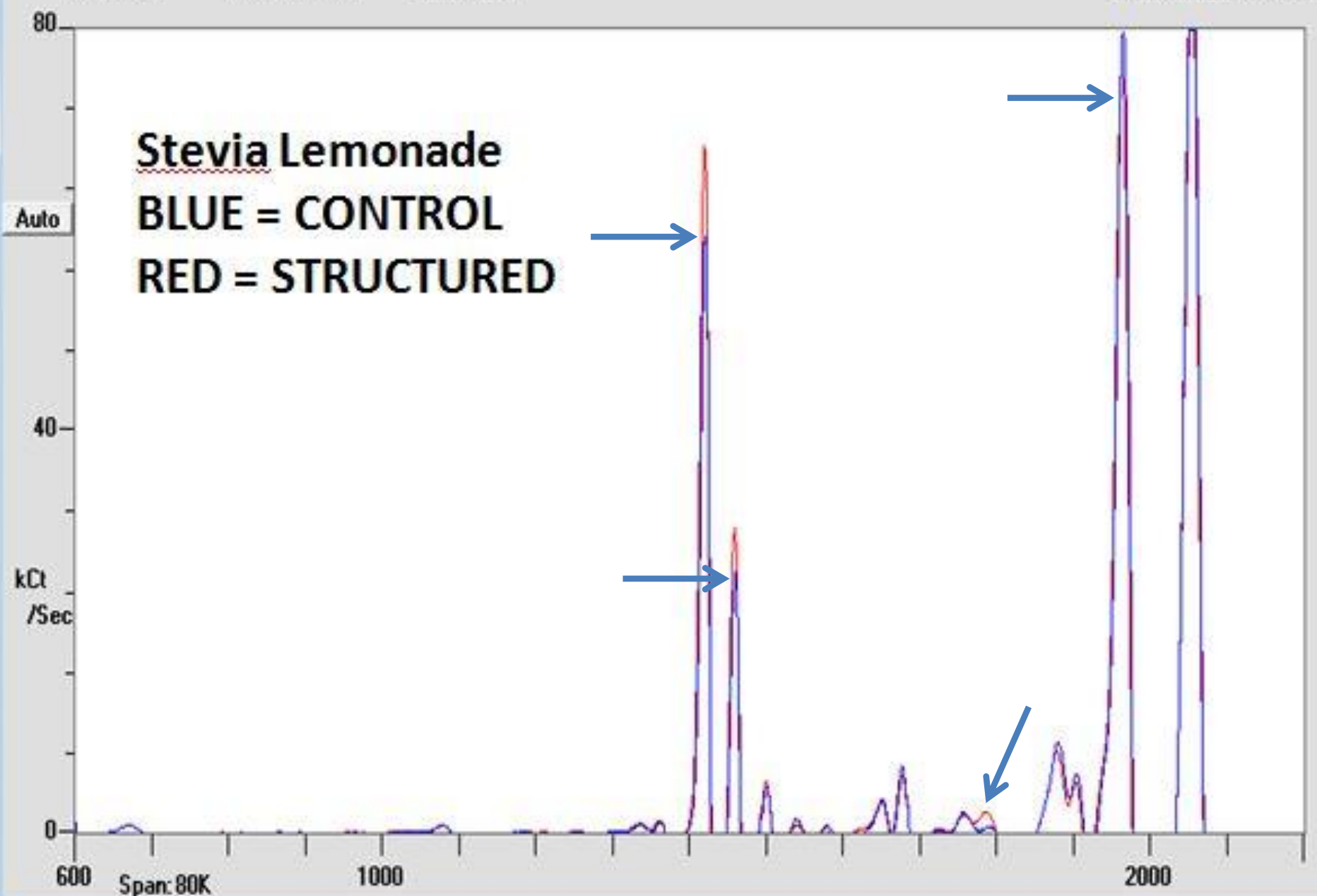
To my mind, within Q1. is the built in assumption that all reasonably uncontaminated water is more or less of equal benefit.

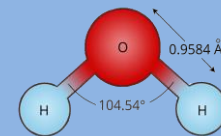
Q2. Seems to suggest that not only does water meaningfully differ, but that there must be an objective method for comparing the relative healthful “qualities” of competing waters.

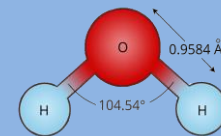
Dehydration signs aren't always obvious. Some surprising dehydration signs include fever, bad breath, and cravings for sweets.

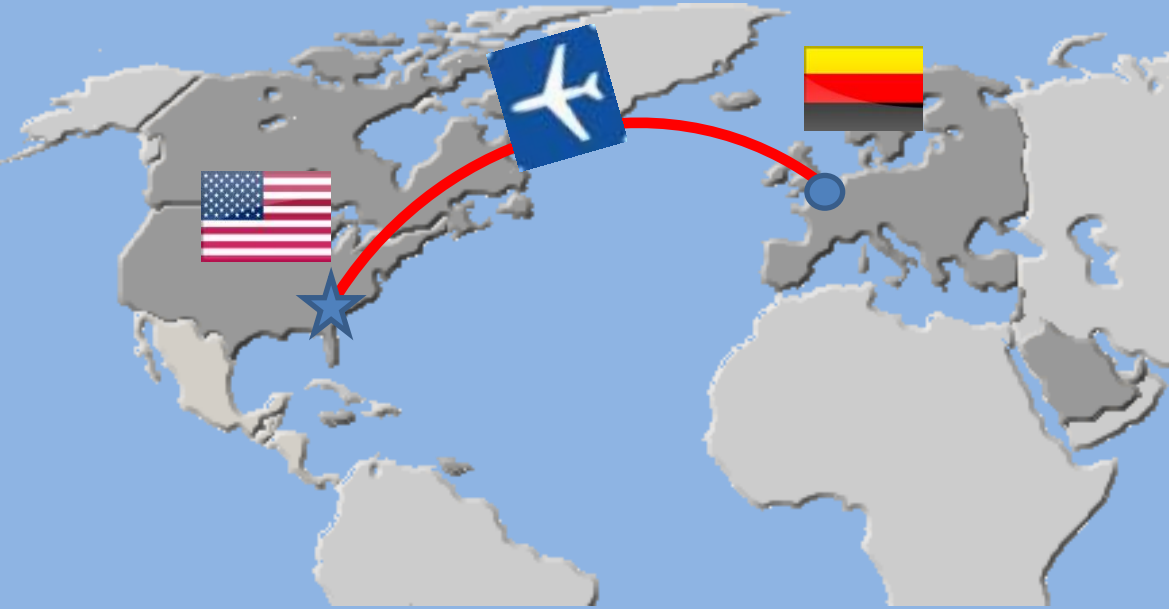
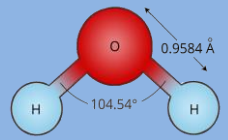
While you can crave anything from chocolate to a salty snack, when you're dehydrated, cravings for sweets are more common because your body may be experiencing difficulty with glycogen production.







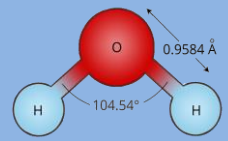




before

after

www.waterconf.org/



delays cell decay in plants / 3 times longer living



Day 1

Left Vase Tap Water w/ CW



Day 21

Right Vase just Tap Water

activate lactose cells in sterile (UHT) milk / fresh cheese within 3 days



Oxidation Test with 30ml different kind of Waters and one (1) ml Cucumin Phyto Extract - Exposure Time aprox. 15 Minutes



**OXYDIZED and
DECOMPOSED**

**TAP
Water**



**OXYDIZED and
DECOMPOSED**

**Mineral
Water**



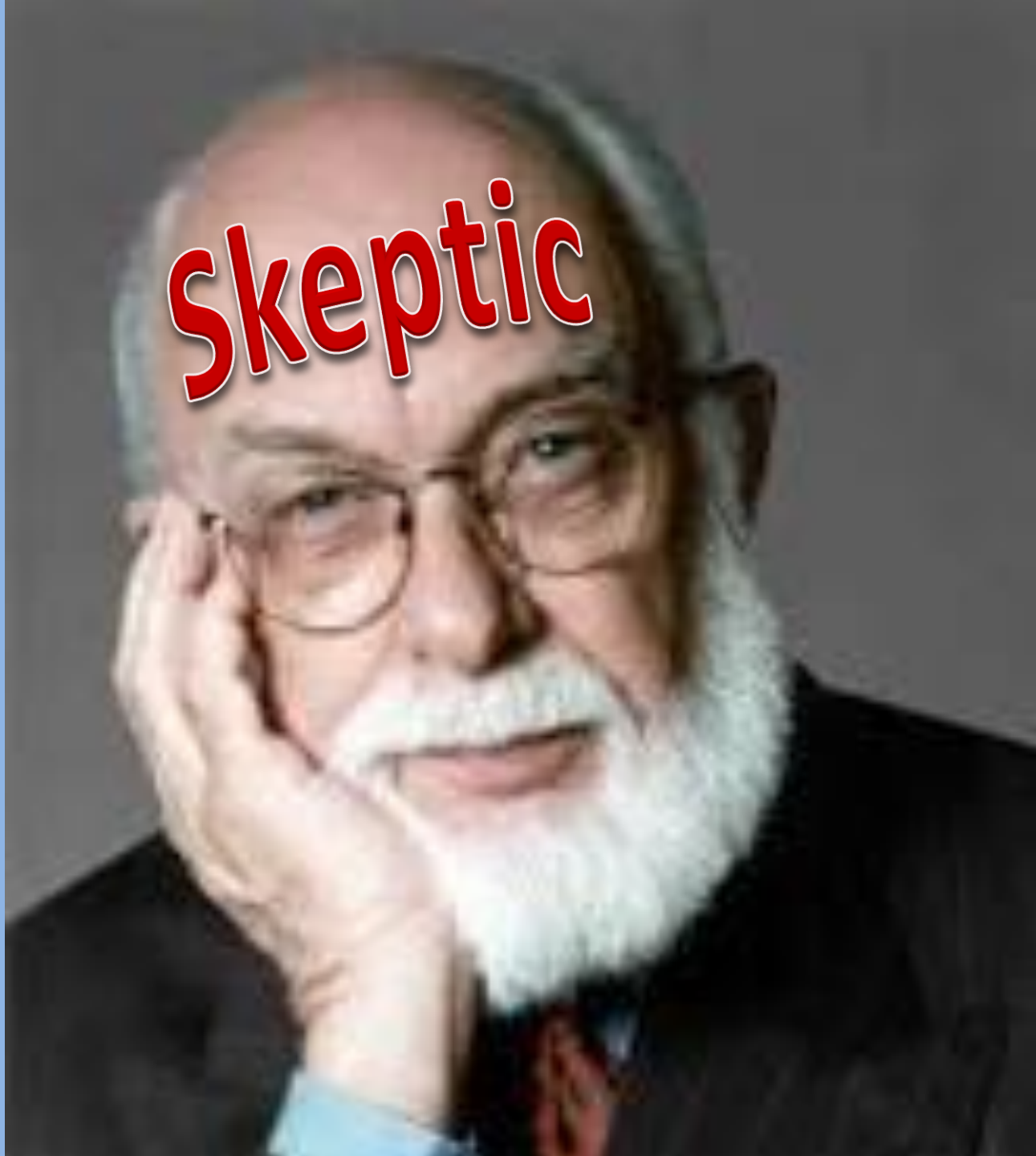
**NOT OXYDIZED
= STABLE**

**Structured
Water**



Structured

Skeptic





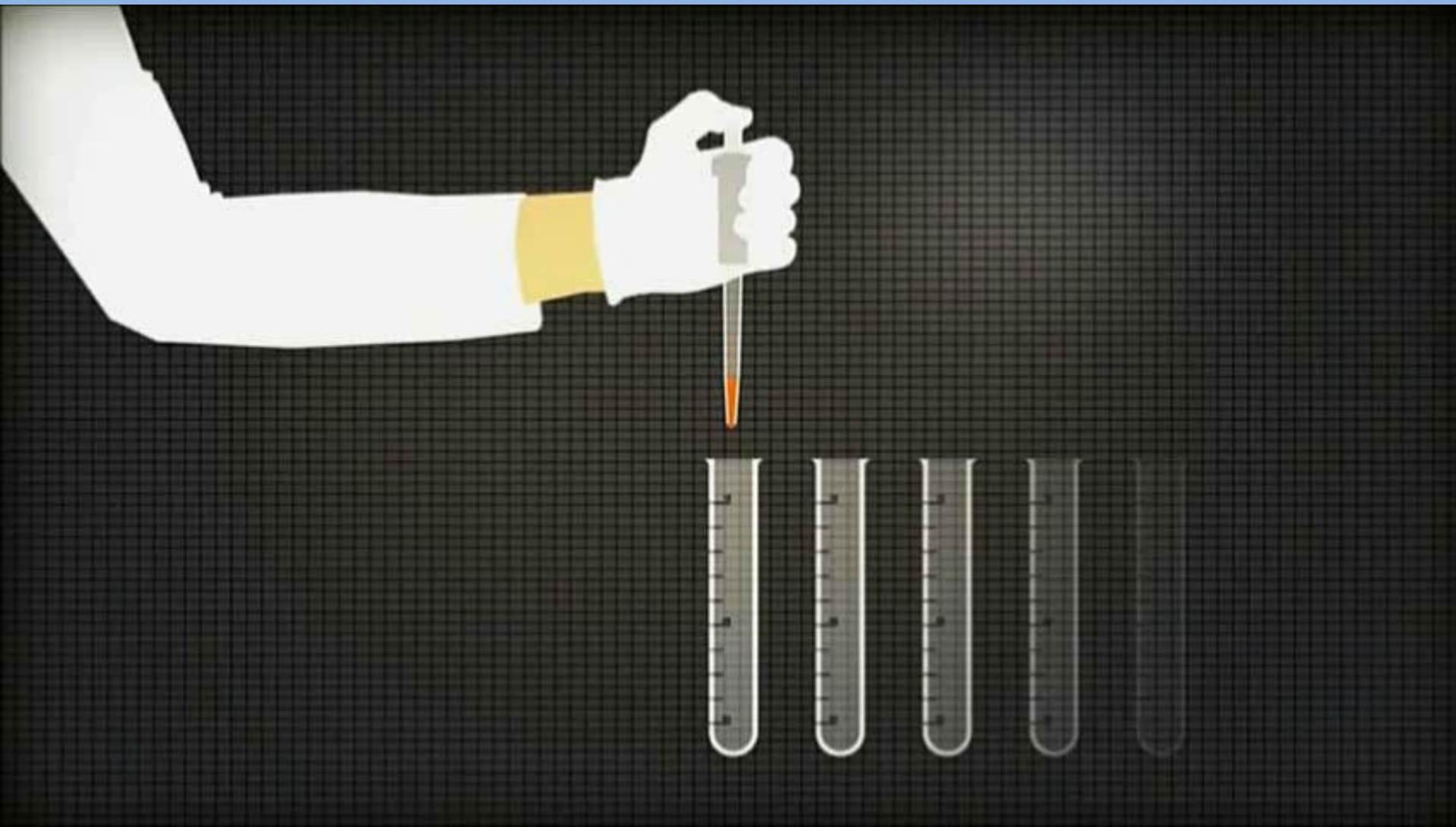
“The atoms or elementary particles themselves are not real; they form a world of potentialities or possibilities rather than one of things or facts.”

– *Werner Heisenberg*

“Everything we call real is made of things that cannot be regarded as real.”

– *Niels Bohr*








A custome lothsome to the eye,
hatefull to the Nose, harmefull to the
braine, dangerous to the Lungs, and in
the blacke stinking fume thereof,
neerest resembling the horrible
Stigian (Hades) smoke of the pit that is
bottomelesse.

— *King James I 1604*



He was at the top
of the list. He had
the most cigarettes
in the world. He
was a doctor.

The doctor was a
doctor, and a doctor
is usually the best
of the best. He was
the best of the best.

According to a recent nationwide survey:

**MORE DOCTORS SMOKE CAMELS
THAN ANY OTHER CIGARETTE**



20,679¹ Physicians

say "LUCKIES
are less irritating"

"It's toasted"

Your Throat Protection against irritation against cough

SCIENCE
DISCOVERED IT...
YOU CAN PROVE IT

**"No
Unpleasant
After-taste"**

...added to the world's most
famous ABCs...

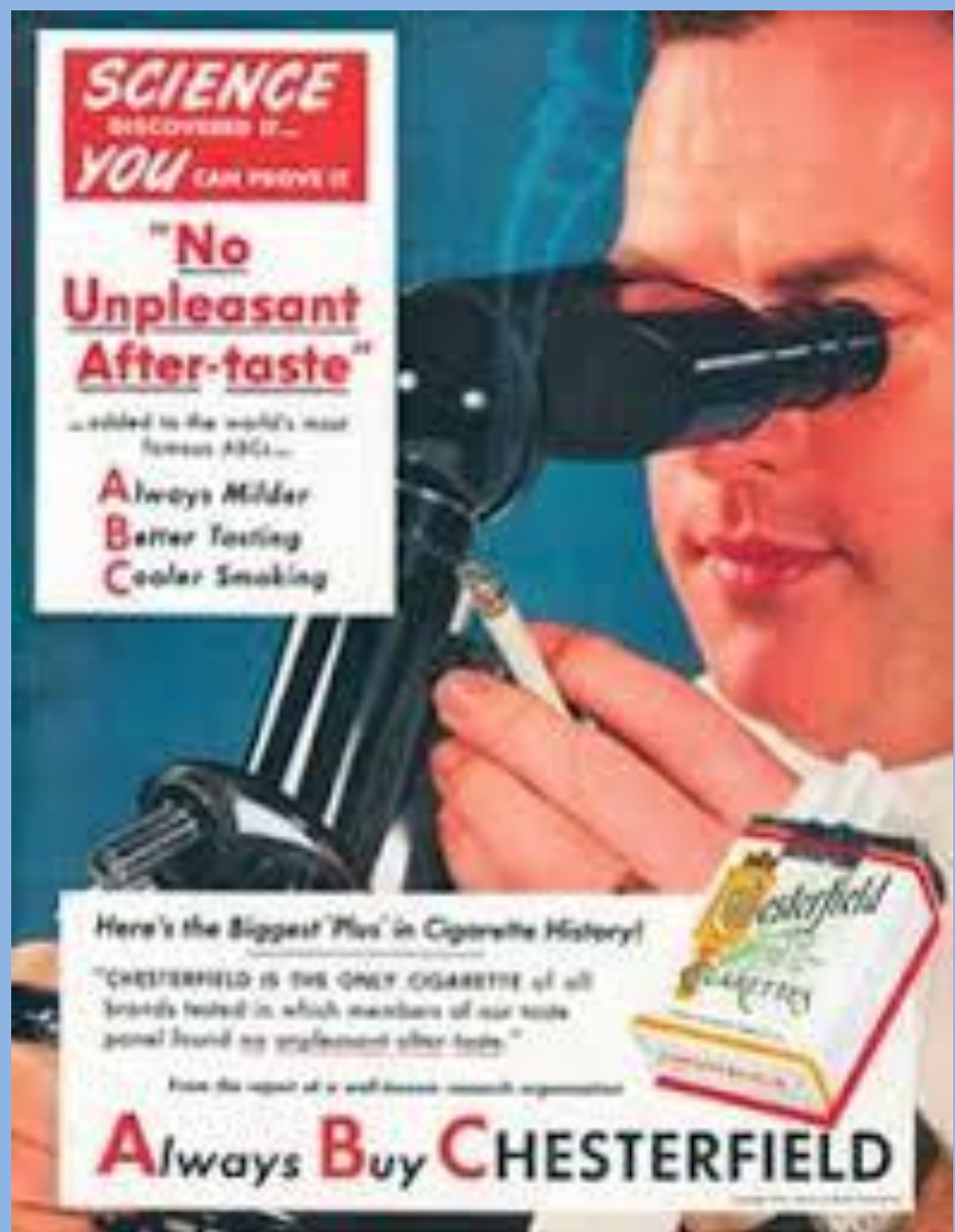
Always Milder
Better Tasting
Cooler Smoking

Here's the Biggest 'Plus' in Cigarette History!

"CHESTERFIELD IS THE ONLY CIGARETTE of all
brands tested in which members of our taste
panel found no unpleasant after taste."

From the report of a well-known scientific organization.

Always Buy CHESTERFIELD



Natural throat specialists report no throat case of throat irritation.

NOT ONE SINGLE CASE OF THROAT IRRITATION *like a smoking* CAMELS!



This study shows the findings of throat throat specialists after a series of 30-day smoking comparisons of the throat of thousands of men and women who smoked Camels... and who showed no throat irritation.



My throat
feels better after
30 days of
smoking Camels
than it did before.
I'm sure it's
because I'm
smoking
CAMELS.

These 30 women and 30 men took part in the 30-day smoking comparison... and they showed no throat irritation.

...AND THROAT IRRITATION IS GONE!



These people had throat irritation before the 30-day smoking comparison.



These people had no throat irritation after the 30-day smoking comparison.

*Start your own
30-Day Camel
MILDNESS
Test Today!*

Camel Mildness cigarettes are made with a special mildness process...
Camel Mildness cigarettes are made with a special mildness process...
Camel Mildness cigarettes are made with a special mildness process...

"You ready to blow?"

For Nurse Dennis,
there is only one taste
that truly

Satisfies.

Each Red Apple cigarette has a
smooth, soft, mellow taste
and a rich, creamy texture.
It's the only cigarette that
tastes like a real apple.
Red Apple is the only cigarette
that's truly satisfying.

**Red
Apple**









What have I done!

From Dr. Jack Kruse:

Pulsed EMF's disrupt the blood brain barrier (BBB) and dehydrate the patient over time. Dr. Allan Frey described this BBB disruption with EMF's close to 50 years ago.

www.jackkruse.com

What are some of the biologic links made to Dr. Frey's work?

Increased cell growth of brain cancer cells

A doubling of the rate of lymphoma in mice

Changes in tumor growth in rats

An increased number of tumors in rats

www.jackkruse.com

Increased single and double-strand breaks in DNA, our genetic material

2 to 4 times as many cancers in Polish soldiers exposed to RF

More childhood leukemia in children exposed to RF

Changes in sleep patterns and REM type sleep

Headaches caused by RF/MW radiation exposure

www.jackkruse.com

Neurologic changes including:

Changes in the blood-brain-barrier

Changes in cellular morphology
(including cell death)

Changes in neural electrophysiology
(EEG)

Changes in neurotransmitters (which
affect *motivation and pain perception*)

www.jackkruse.com

Retarded learning in rats indicating a deficit in spatial “working memory”

Increased blood pressure in healthy men

Damage to eye cells when combined with commonly used glaucoma medications

www.jackkruse.com

Metabolic changes (of calcium ions, for instance)

Cytogenetic effects (which can affect cancer, Alzheimer's, neurodegenerative diseases)

Decreased memory, attention, and slower reaction time in school children

www.jackkruse.com

The most fascinating part of what Dr. Frey did was to show definitively that the brain was directly affected by pulsed EMF. Long ago, with the Office of Naval Research, Dr. Frey wanted to see what the biologic affects one might expect with the military uses of EMF in the USA.

www.jackkruse.com

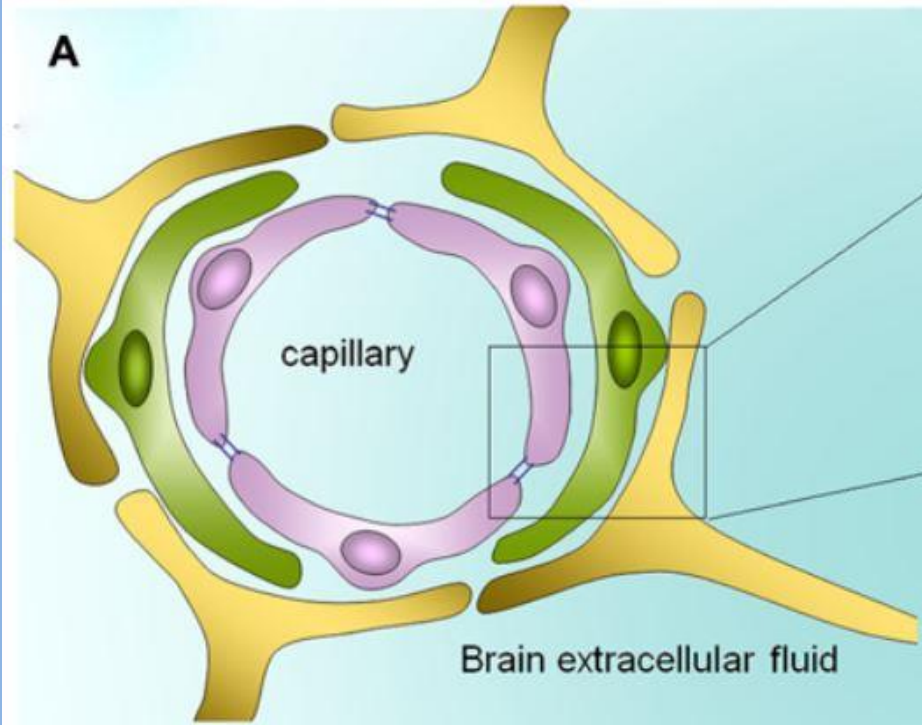
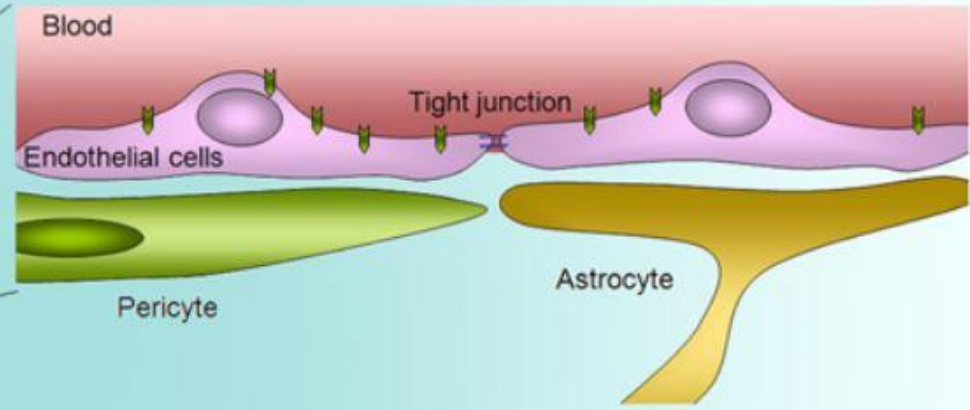
If you read his public statements on what he found, they are nothing short of shocking. No one seems to know this because his work has been buried by industry. If you use technology you would do well to do some of your own homework and you might realize why you really have medical issues you can't seem to shake.

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Dr. Frey injected methylene blue dye into the veins of rats. The dye was absorbed in all the tissues except for the brain. That is because we are all equipped with a blood-brain barrier, designed to protect our brains from foreign substances.

www.jackkruse.com

A**B**

He then exposed the rats brains to pulsed EMF in the range one would find in most cellphone and other wireless technology of today, and he found that the rat brains turned blue from the dye because the EMF made the BBB permeable at quite low doses.

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Frey showed *quite convincingly* that EMF weakened the blood brain barrier and could allow many toxins normally excluded from the brain's circulation to enter and affect it. This is precisely how fluoride now permeates the modern human brain unimpeded to cause cognitive haze because of the dielectric effect of fluoride on iodine in the brain's semiconductive pathways.

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It has also been shown to make the gut membrane permeable as well, and I believe this is the number one cause of a leaky gut in our modern world. It is also why many people with a leaky gut never get better because they do not realize their gut is made leaky by the technology people lay on their laps or in their pockets of clothes daily.

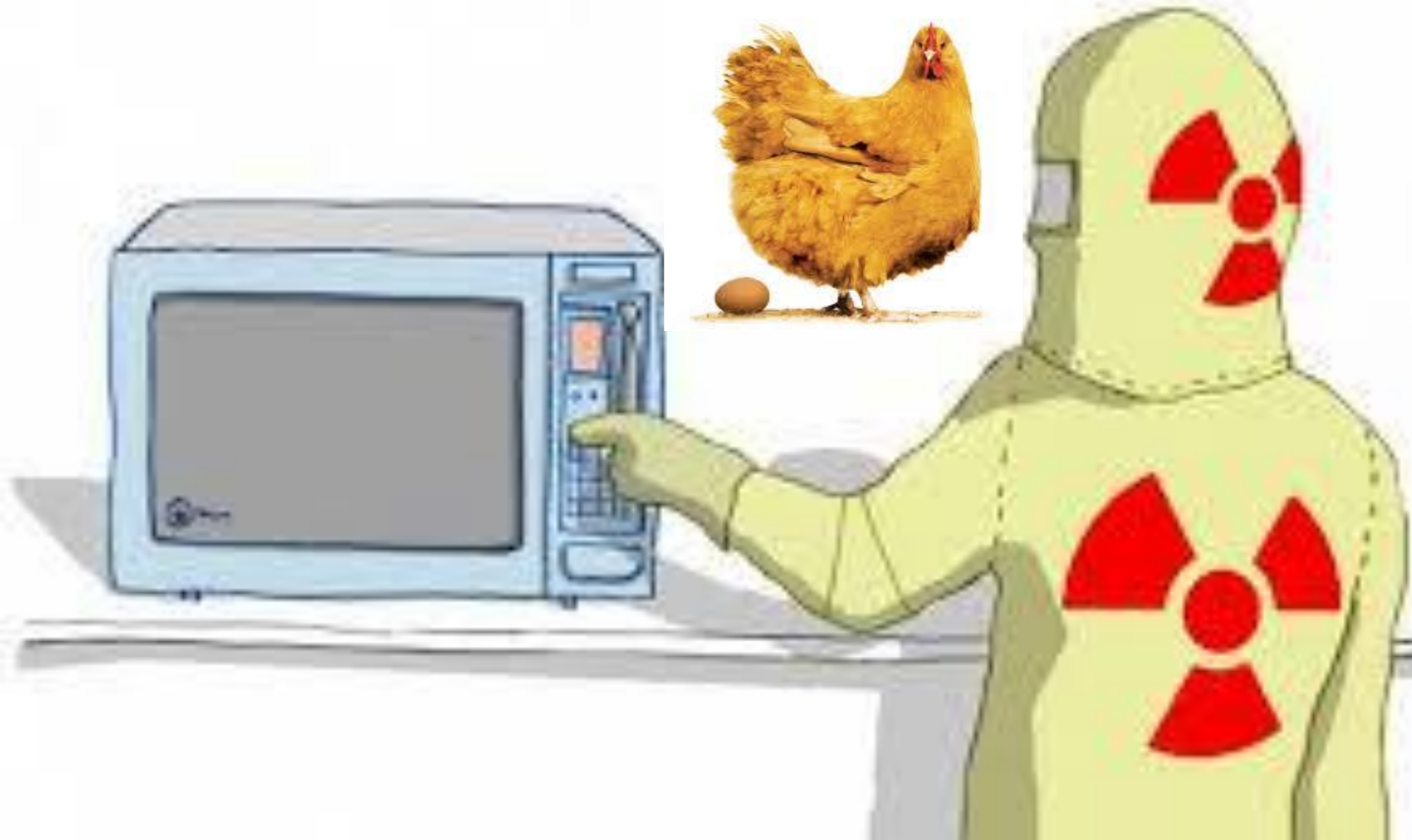
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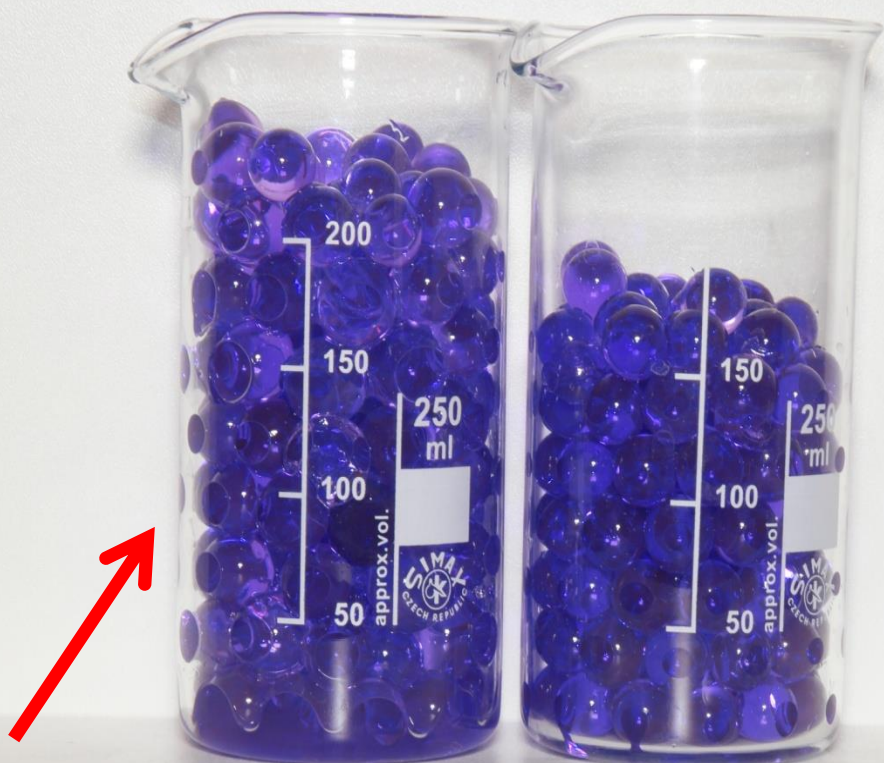


**Mobile
Use
Kills**



68% of Americans say they simply can't live without microwave ovens.





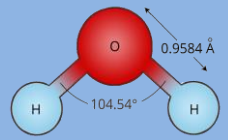
Structured

A recent Australian study showed that microwaves cause a higher degree of "protein unfolding" than conventional heating.

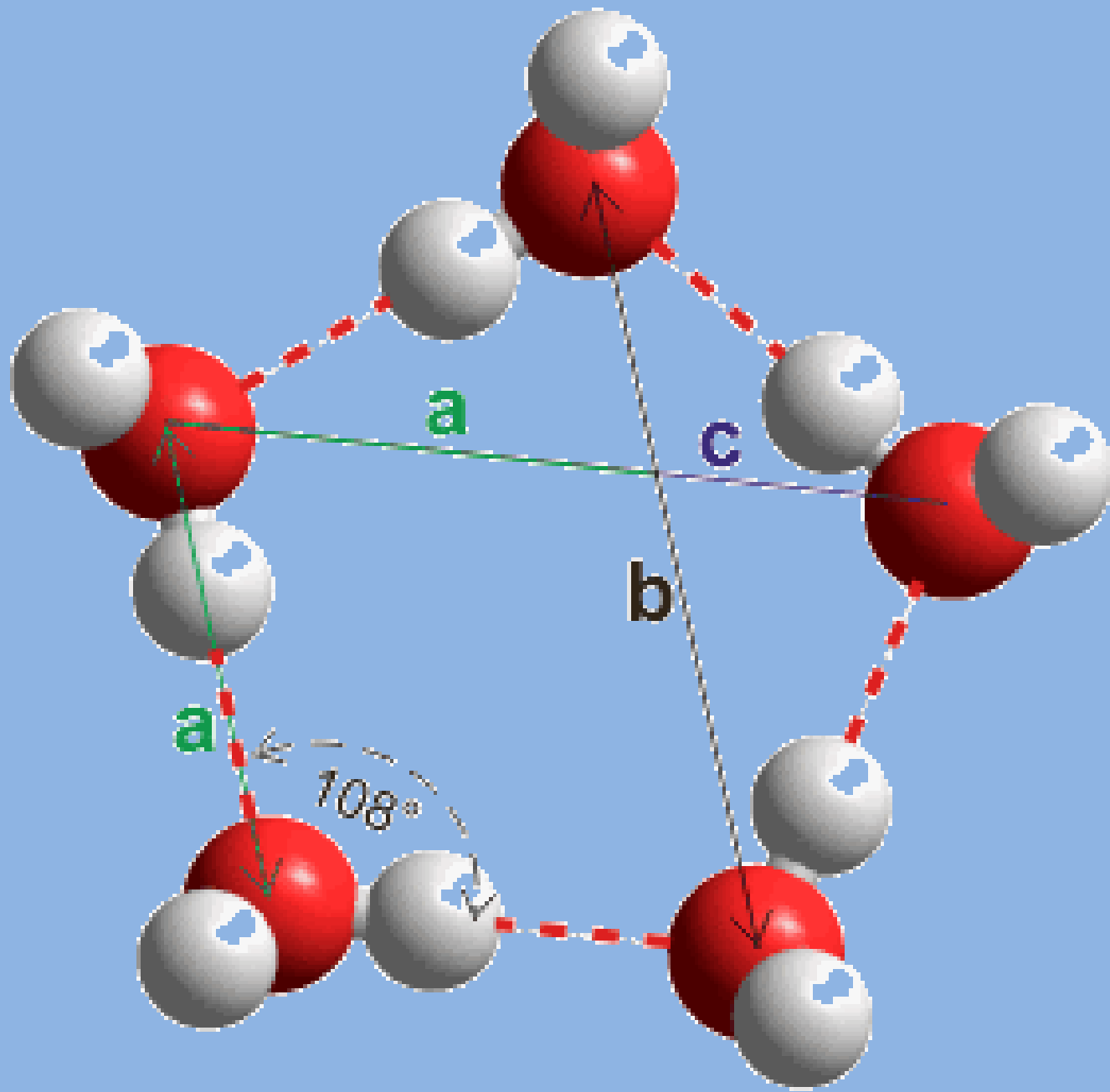
***George D F, Bilek M M, and McKenzie D R.
"Non-thermal effects in the microwave induced unfolding of proteins observed by chaperone binding, "***

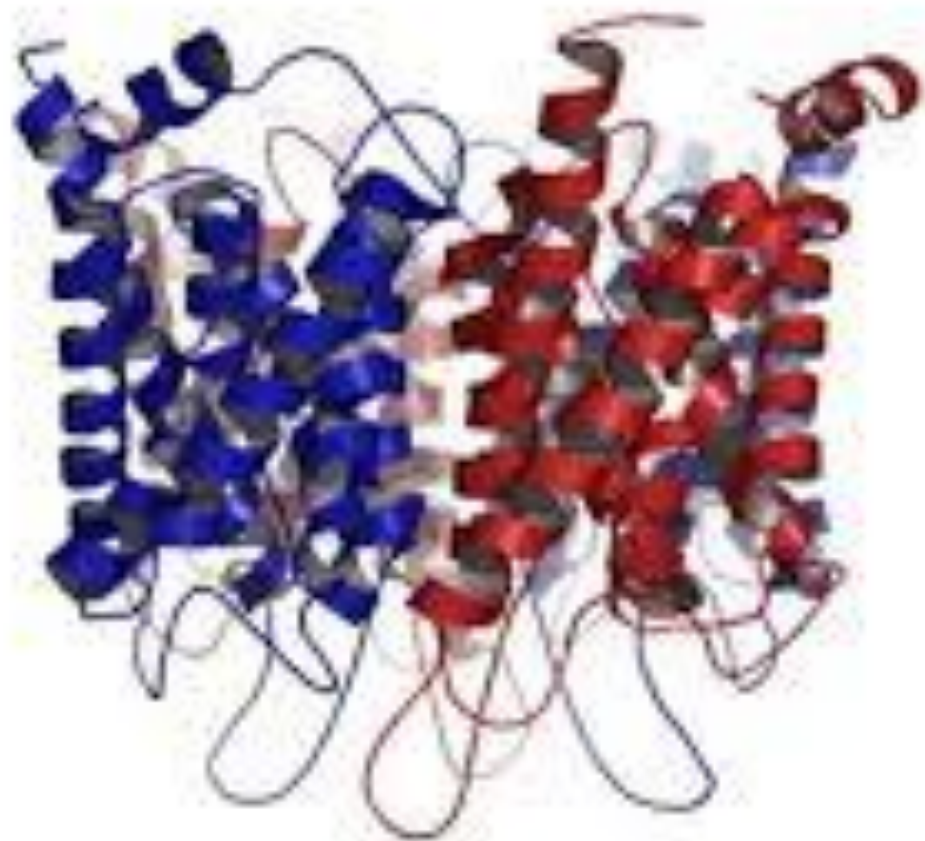
In early 1991, word leaked out about a lawsuit in Oklahoma. A woman named Norma Levitt had hip surgery, only to be killed by a simple blood transfusion when a nurse "warmed the blood for the transfusion in a microwave oven"! Logic suggests that if heating or cooking is all there is to it, then it doesn't matter what mode of heating technology one uses. However, it is quite apparent that there is more to 'heating' with microwaves than we've been led to believe.

Blood for transfusions is routinely warmed-but not in microwave ovens! In the case of Mrs. Levitt, the microwaving altered the blood, and it killed her.



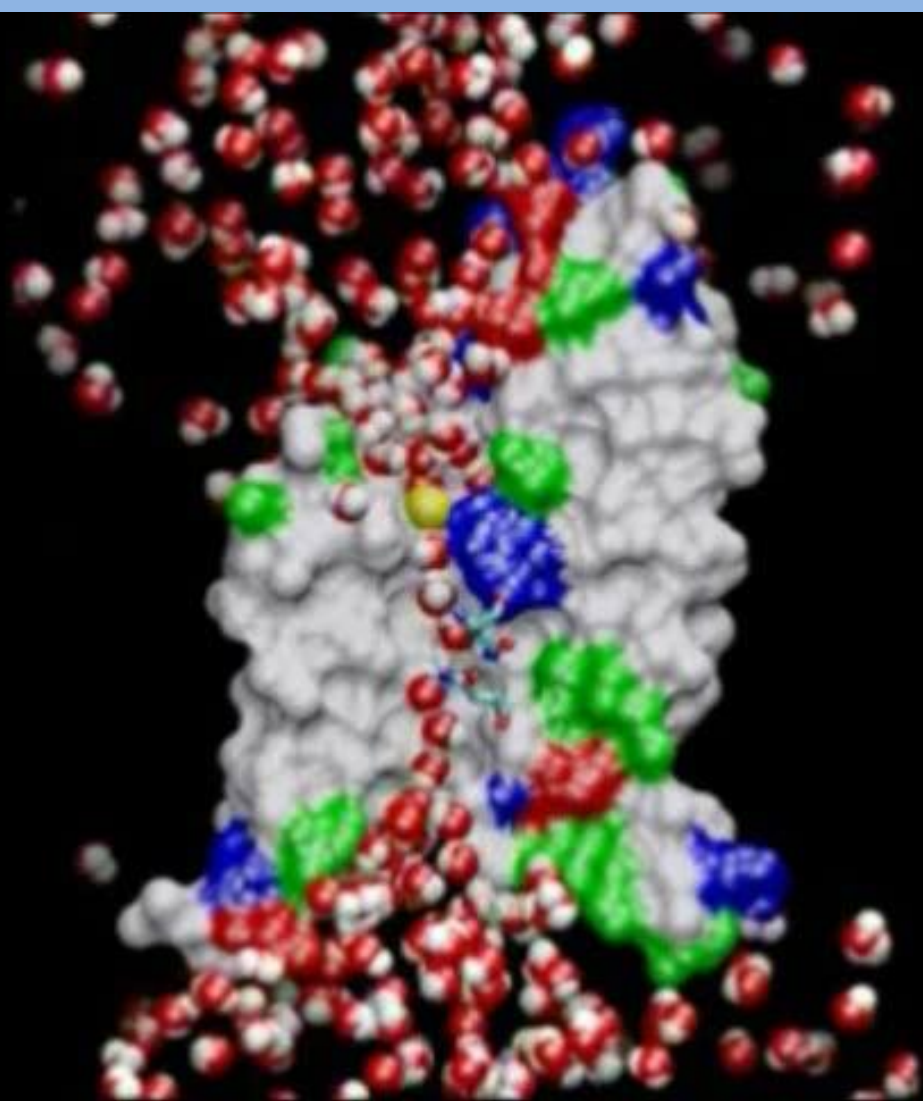
**What role/s does
structured water play
in biology?**





Peter Agre

The Nobel Prize in Chemistry 2003



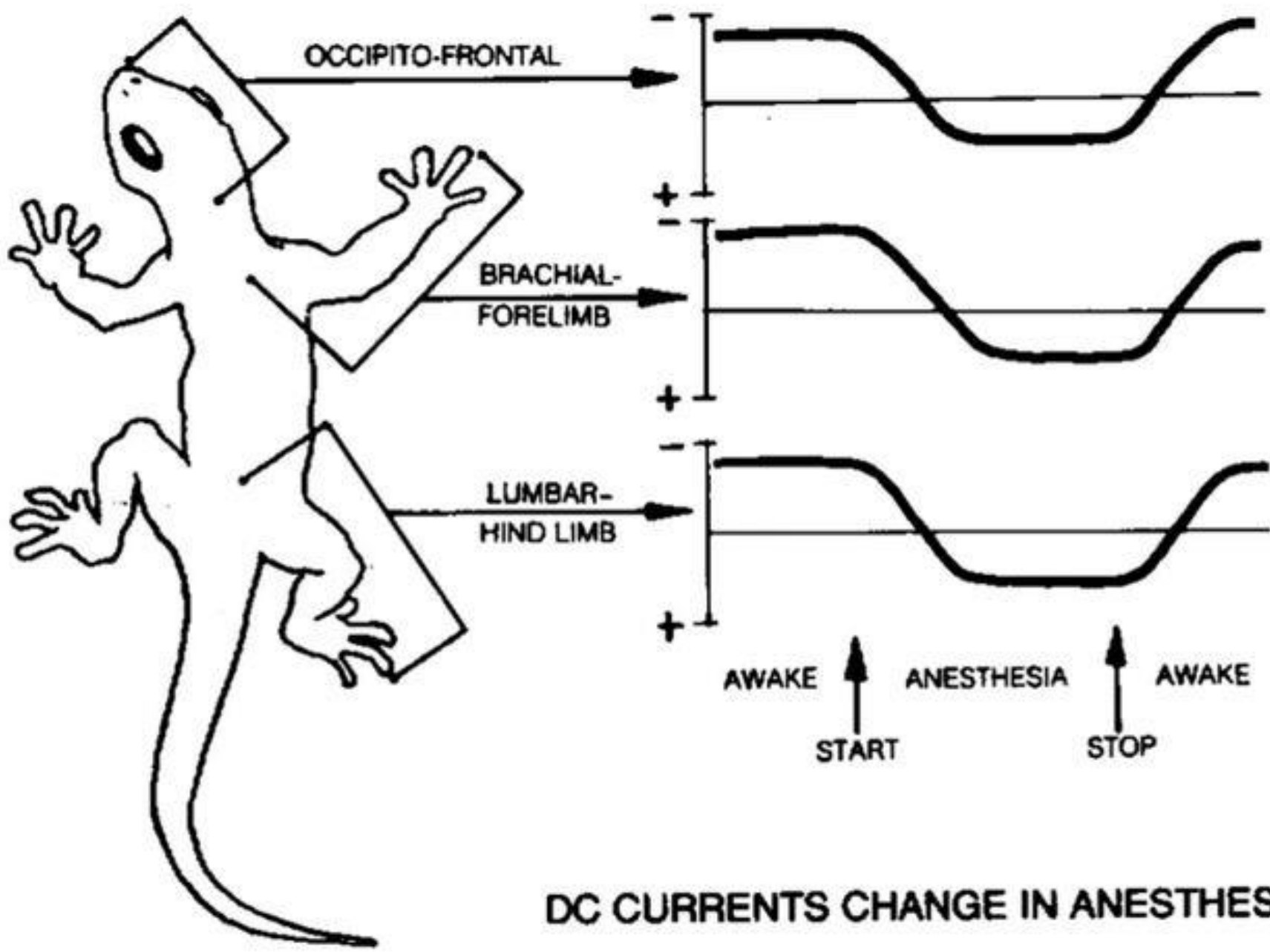


THE
**BODY
ELECTRIC**

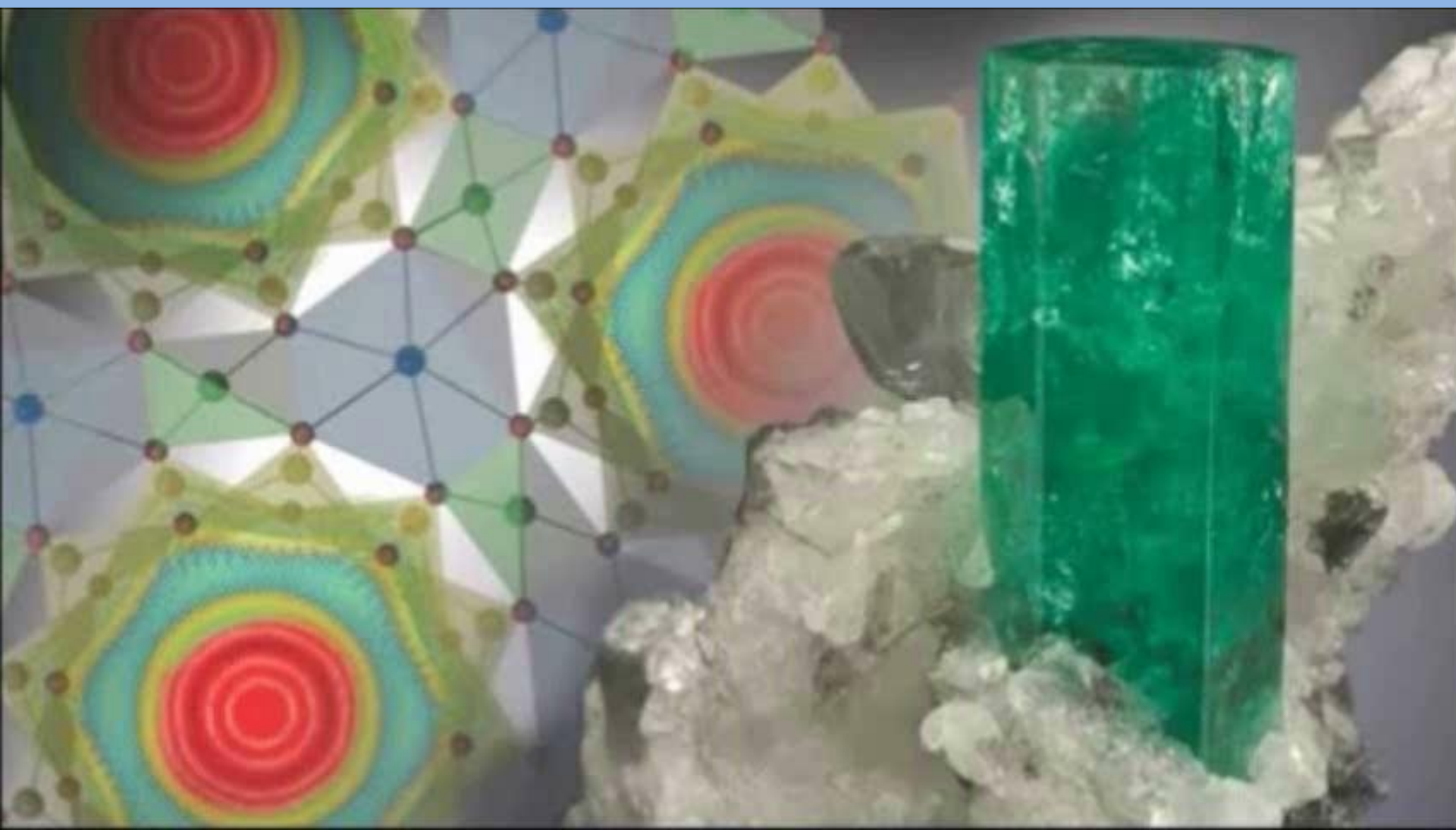
ELECTROMAGNETISM AND
THE FOUNDATION OF LIFE

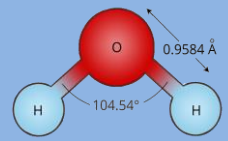
"AN ASTOUNDING, THOUGHT-PROVOKING BOOK."
—San Francisco Chronicle

ROBERT O. BECKER, M.D., AND GARY SELDEN
ILLUSTRATED BY DAVID BICHELL



DC CURRENTS CHANGE IN ANESTHESIA





While the human body is 70 percent water by weight, the normal human brain is nearly 90 percent water. It is possible that this quantum-coherent dynamical Jahn-Teller system of water clusters confined within the hollow inner cores of brain microtubules may be relevant to conscious thought processes, consistent with ideas promoted by Penrose and Hameroff. This in turn may at least partially explain why even slight dehydration often produces such dramatic cognitive impairment.

In 1948 the Dutch theoretical physicist Hendrik Casimir was studying colloidal solutions at Philips Research Laboratories, when he discovered what is now known as the “Casimir Effect.” The force between the mirrors most of us are taught in school is known as the Casimir force and was postulated as a theoretical construct by Casimir after his colloid discovery.

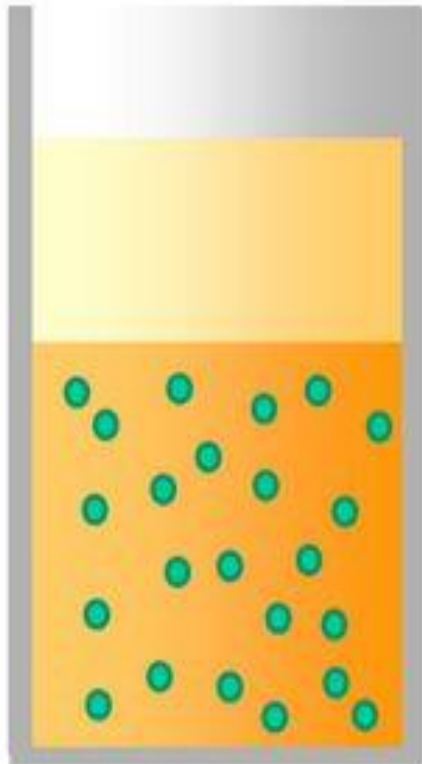
It was not until 1997, however, that a direct experiment, by S. Lamoreaux, described above, quantitatively measured the force (to within 15% of the value predicted by the theory.

Colloids are microscopic particles so small that they move diffusively when dispersed in a fluid, exhibiting Brownian motion, controlled by the temperature of the system, like atoms. However, unlike atoms, colloids are big enough to see with light, so they can be probed with microscopes and laser light scattering.

The interactions between atoms are fixed, dictated by quantum mechanics, but those in colloids can be very finely tuned. This makes them an ideal model system for investigating the structure and properties of all sorts of materials, constructed from colloidal particle building blocks, such as crystals, glasses, gels, fluids and gases.

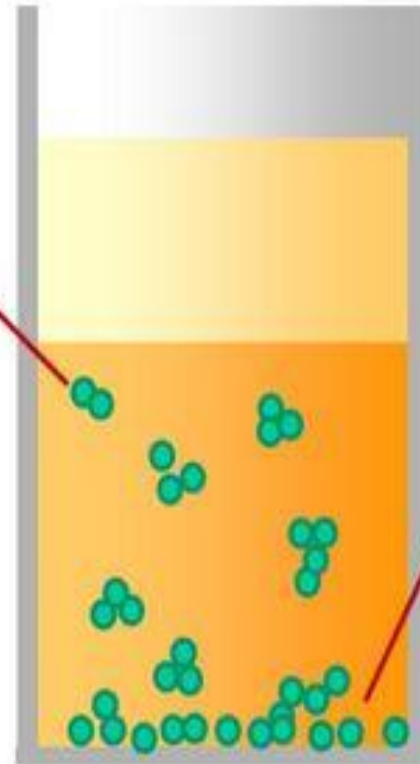
Colloid Experiment

Example of a stable colloid

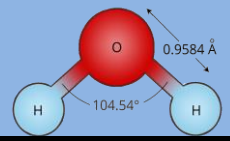


Example of an unstable colloid

Aggregation



Sedimentation



Precipitate formation in a Dissolved Oxygen Test

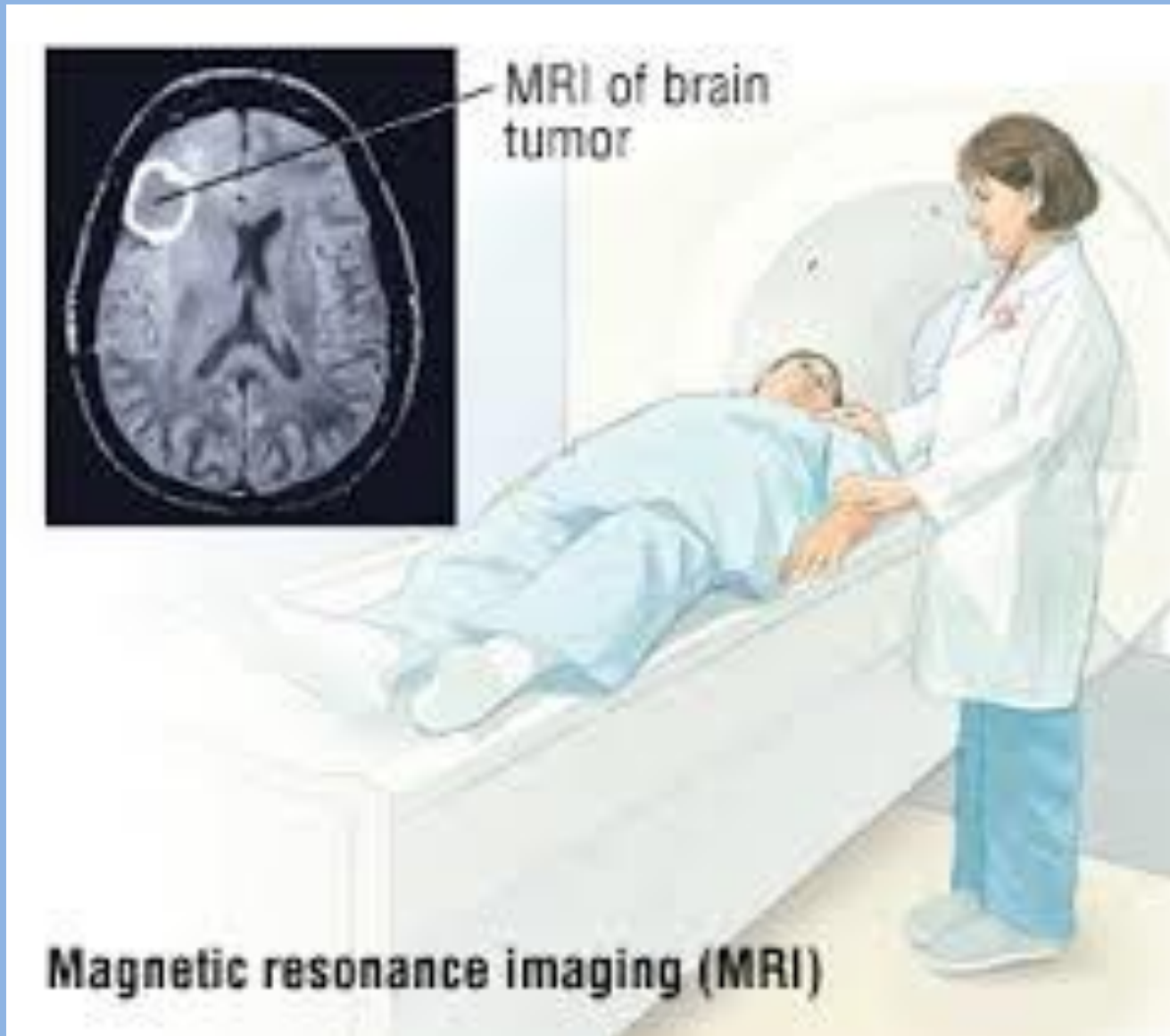
A test of dissolved O₂ was conducted on CS (silica) water using a JBL water test kit. The test was performed 3 times with identical results. While the coloration (tan) was the same in each test, the size of the precipitates differed dramatically between control and structured samples, with the non-structured CS water showing much larger and less diffuse agglomerations.

As expected, the larger agglomerations began to settle out more quickly in each of the 3 tests. These results were a complete surprise, as we were only interested in measuring dissolved O₂ with no expectation that the precipitates would form so differently.



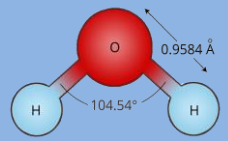
Structured

What can water behavior tell us about health?



water in cancer cells is measurably less ordered than corresponding water in healthy cells.

Since the resonating entity in the MRI is primarily water protons, the contrast variation results from changes in the water environment (and water density) between malignant and healthy tissue (1), with the relaxation times of the water protons of the malignant tissue being significantly longer than that of the healthy tissue.



In 1971 Raymond Damadian had a revolutionary discovery in cancer research: it was shown that cancerous tissue is markedly over-hydrated and can be much as 90% water, while in normal cells it can be typically 70-73%. “Magnetic Resonance” method which was suggested by him for the detection of cell over hydration serves as an early tumor detection diagnostic method (Damadian, 1971).



A photograph of two small, fluffy dogs sitting on a green lawn. The dog in the foreground is white with a blue collar and is looking to the right. The dog behind it is brown and white. In the background, there is a wooden fence, trees, and bushes. The text "Alfie and his lady friend" is overlaid in yellow at the bottom of the image.

Alfie and his lady friend



Alfie and me sunbathing

The Embattled Maverick Scientist



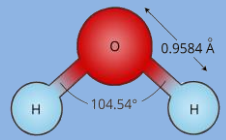
Will structured water ever make it to the grown-up table of modern science? Should government regulate water structure (keeping in mind that the US Government can't even keep lead out of water in Detroit, or come clean about its failure to do so)?

It bears repeating that in the US, it is, for the most part, illegal, I repeat illegal, to treat cancer with anything but knives, poison, or radiation.

Take a moment to reflect on that. Where does government derive the consent of the governed to so narrowly define the parameters of scientific inquiry? We are supposed to be fighting an all-out scientific “war on cancer,” and the rules of engagement restrict us to these three crude weapons?

We readily accept that money corrupts politics, yet reduce the possibility of the same contamination of science-based medicine to a conspiracy theory... Of course, science being more erudite than politics, rarely stoops to the crude tactics of cash-stuffed brown paper bags passed under greasy diner tables. No, science stacks the invisible deck in much subtler ways beginning with the monopolization of education (see the Flexner report).

If you had the choice of throwing someone sinking in quicksand a section of rope or barbed wire, which would you choose? What if the law forbade rope and said it's barbed wire or nothing? Would you break the law to throw the rope, knowing that the bacteria in the stagnant bog would most likely eventually kill the victim by infecting his "FDA-approved" cuts?



**An ounce of
prevention
is worth a
pound of
cure.**

"Oh man, this is heavy!"

"You should lift with your legs."

"Eh, screw it, I got health insurance."





THE
**BODY
ELECTRIC**

ELECTROMAGNETISM AND
THE FOUNDATION OF LIFE

"AN ASTOUNDING, THOUGHT-PROVOKING BOOK."
—San Francisco Chronicle

ROBERT O. BECKER, M.D., AND GARY SELDEN
ILLUSTRATED BY DAVID BICHELL

Cross Currents

THE PERILS OF
ELECTROPOLLUTION,



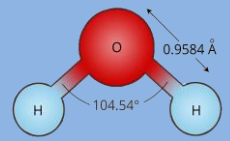
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