

Einstein, Money and Contentment

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To give you an idea of the "flavor" of the book, we are presenting here in .pdf format the Introduction to the book, the Forward and the Introductions to each of the three parts of the book. In addition, you will find the chapter headings and section descriptions.

The finished book will have about 300 pages. You can print out this summary using only 25. We hope it will whet your appetite to read the entire book and share it with your friends.

Einstein, Money and Contentment

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Cosmolaw

A Unification of Physics, Economics and Faith

Richard H. Palmquist

Einstein, Money and Contentment

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Einstein, Money and Contentment

Dedicated to the memory of Herman Philip Palmquist, my father

(April 15, 1905-July 10, 2001)

My Dad is the man who taught me to "turn out the lights when you leave the room," demonstrating his respect for electricity. Together with his wife Margaret, my beloved mother, Dad provided a stable, loving environment for my sister and me. Our lives developed in an arena of economic difficulty, hard work and positive attitudes. Honesty, hope and faith were love gifts from my parents.

Dad worked his way from being a teenage farm laborer to driving a coal truck, to cutting ice blocks from the Mississippi River for the WPA, to graduating from Coyne Electrical School in Chicago, eventually allowing him to become chief electrician of a major electrical generating plant.

In my youth, Dad gave me the medallion coin pictured below. It was produced as a promotional give-away by Iowa-Illinois Gas and Electric Company, Davenport, Iowa. Dad served for decades as chief electrician at the Moline, Illinois, power plant. The symbolism on the coin, shown below, sets out the basic formulas of electricity. Those laws are the heart of Cosmolaw.



Illustration 1 -- Laws of electricity

Einstein, Money and Contentment

“For as a man **thinks**
in his heart, so is he.”

-- Proverbs 23:7

“Those who are not prepared for the apprehension of a *great* purpose, should fix their thoughts upon the faultless performance of their duty, no matter how insignificant their task may appear. Only in this way can the thoughts be gathered and focused, and resolution and energy be developed, which being done, there is nothing which may not be accomplished.”¹

Foreword

A retired instructor in radar circuit analysis told me, "It is impossible to teach a concept." If he is correct, this book is attempting the impossible. The volume you hold in your hands contains thousands of words, many facts and a great number of opinions, but all this information is centered on a single concept. The instructor explained: "A concept is often a very fuzzy object. It cannot be put into words. It is different for each person. Several facts, unknown to the instructor (and different for each student), must be absorbed and assimilated by the student. The student has to form the concept in his/her own mind. The instructor can help by questioning the student, trying to find out what basic ideas are missing or misunderstood."²

As I considered the opinion of the rocket scientist, I determined all I can do is share information. The question and answer method of teaching is the only effective way to be sure a student learns what is being taught. No book, however, is interactive. So, if you are ever to grasp the concept, it will be because you have determined to learn it.

An author went to a wise man to ask for advice about how to write a book. The wise man replied, "If you speak to them in profound truths they yawn, and, if they dare, they will leave you, but if you tell them absurd fables they are all eyes and ears. They wish the doctrines preached to them, whether religious, philosophic or social, to be agreeable, to be consistent with their conceptions, to satisfy their inclinations, in fact, that they find themselves in them, and that they feel themselves approved by them."³

If Buscaglia is correct, we may have a problem. I do not deal in fables, and I don't care to build up your ego. The fact is you may yawn while reading some of this book. The reason is I have not written it just for you. It is for many different types of people. Of one thing you can be sure: this book does not parade under the banner of any government agenda.

Winston Churchill said during World War II, "in time of war the

² James Farrer, retired U.S. Air Force instructor in precision ground controlled approach radar circuit analysis.

³ Buscaglia, Page 130

truth is so precious it must be attended by a bodyguard of lies.”⁴ Since World War II, the United States has been under a continual cloud of war. Not all have been battlefield conflicts. For example, we have faced the cold war, the war on drugs and the war against terrorism. Some battles taken on by our government reach to legitimate concerns, but the root cause of war in our Republic is that without war the presidency has little power.

In this book I reach for power sourced in the persuasion of my words, not by artifices. However, some of those words may go beyond the areas of your interests. Abdus Salam, in his *Unification of Fundamental Forces*, advised, “... if you have a reasonable idea, don't send it to a great man; publish it yourself.”⁵ That is exactly what I have done.

If you are a hurried reader, you can treat the Table of Contents and the Index as headlines in a newspaper. You should be able to tell in advance what parts of the book you most want to read.

The first footnote I placed in this book is a quote from E. Stanley Jones in Chapter 9: "What gets your attention gets you."⁶ If you understand that what you think about forms your destiny, you will benefit by reading this book. It is important to think clearly if the purposes of life are to be fulfilled. Yet, few recognize how vital to success is a consistent method of framing thought. This book is devoted to helping you establish clear and accurate thought patterns.

However, “Cosmolaw” suggests we intend to study the cosmos – natural law. Therefore, I must mention scientific ideas, some of them outside popular interest. Yet, the point of the book is so simple I would like to have avoided scientific terms. Nevertheless, I hope scientifically trained people will read these pages and respect my ideas. If you have no interest in science, just skim through the technical sections. You can still understand the message of the book. Bertrand Russell wrote, "Most people would rather die than think; in fact, they do so."⁷

The brief introductions following the major headings for each of the three parts of this book contain a simple summary of the chapters within

4 Gutmann and Thompson, Page 48

5 Salam, Page 21

6 Jones, Page 96

7 Robert Smith, OPC Newsletter of July 17, 2000 (<http://offshoreprofit.nu/>)

that part. If you want a quick understanding of Cosmolaw, read only the introductions to each of these three parts.

Cosmolaw has an important application to science. However, it has a more important application to your life. R. Buckminster Fuller experienced this serendipitous connection between life and science. He studied the triangle's almost mystic relationship to the sphere. Picture a geodesic dome such as the one at Disney World. Fuller invented that three-sided no-sided structure. He admitted, "I didn't set out to design geodesic domes. I set out to discover the principles [operative in the] universe."⁸

Our task is to identify the triangle that defines the unitary circle of natural law, the circle defining the principles operative in the universe. If you can comprehend that one plus one can equal three, you will benefit studying these pages. Yes, one plus one can equal three. Trust me.

8 Inc Magazine, July 2002, Page 86

Introduction

How can one plus one equal three? Here is how it works. A function, according to Webster, “depends on and varies with something else.” There are two parts to a function: an **Essence** that depends upon a **Dynamic**. These two wrap around each other and are interdependent. So, there are two parts to a function. Any function operating in a **Structure** creates a **Result**. One **Structure** plus the two parts of the function equals three. These three create a **Result**. You started with **Structure** and function, one plus one; but now you have **Structure**, **Essence** and **Dynamic** coming to a single **Result**. That's three: three-in-one. Keep this three-in-one key idea in mind as you read, and you will be able to skim over technical details without missing the important tool of thought this book offers you.

Within any function you will find an **Essence**. Wrapped around that **Essence** will be a **Dynamic**. If you have studied Calculus, you know the concept of function involves a derivative and an integral, working together.

In electricity, Amperage and Voltage have this same relationship. In physics, the functional **Essence** is a particle and the functional **Dynamic** is a wave. The particle and wave are inextricable. They work together within the resistive **Structure** to produce the **Result** we call the element.

Oriental call the **Essence** and **Dynamic** the yin-yang. Call them what you will, the **Essence** and the **Dynamic** function within a **Structure** to accomplish a **Result**. This is the core of natural law. I call this characteristic of natural law “Cosmolaw.”

“To communicate is to shape concepts, language, and style in ways that simultaneously satisfy the desires of the communicator and the *unfilled* needs of the audience,”⁹ writes Burton Kaplan. This strategic communicator has fallen into our Cosmolaw pattern at the outset of his book. His desired **Result** is communication. He looks to concepts as the **Structure** of his quest, with the **Essence** being language wrapped in **Dynamic** style. If you internalize these concepts, and if I can stimulate your thinking with my language and style, within the **Structure** of Cosmolaw, we should be able to communicate.

Now, let's demonstrate the infinite flexibility of the Cosmolaw

9 Kaplan, Page 9

formula. Look at the word “language” in the above paragraph. Think of it in its context there. Now, let’s view the source of the term “language.” Where does it come from? Language is the **Result** of the **Essence** of semantics, wrapped in the **Dynamic** of rhetoric, within the **Structure** of phonetics. Let this example keep you from thinking of Cosmolaw as a simplistic view of the universe. The complexities of interrelationships cannot be fathomed. An in-depth treatment of the interrelationships of these concepts defining language can be found in Norbert Wiener’s book *The Human Use of Human Beings, Cybernetics and Society*.¹⁰

James P. Carse is quoted by Robert Fulghum, “Finite players play within boundaries; infinite players play with boundaries.”¹¹ We are finite. We work within boundaries. The boundaries of this book are set by its outline. All books hang on an outline. This book not only is written around an outline – it is about an outline. The outline is my understanding of the arrangement of everything in the universe.

If you are a Greek scholar, you may object to the hybrid term, “Cosmolaw.” You may prefer the term our professor son Dr. Stephen Palmquist suggests: “Cosmonomos.” The Greek word for law (“nomos”) has its root in the idea of “parceling out food.” There is nothing more basic to human physical welfare than food. There is nothing more beneficial to human social welfare than the law, justly applied. I opted for “Cosmolaw” because few people know that the Greek “nomos” means law.

The secret to a simple grasp of Cosmolaw is to view everything you think about as existing within a **Structure**. Let’s look again at the cover of this book. Think of the cube as the **Structure** of the Grand Unification. View the electron as the **Essence** and the wave as the **Dynamic**. As the cube bursts into creativity, the **Result** is the universe.

The **Structure** contains an **Essential** element. Wrapped around that element is a driving force, a **Dynamic**. This function, the **Dynamic**-wrapped **Essence**, moves within the **Structure** toward a **Result**.

This is the way electricity works; and because the laws governing the behavior of electricity are proven and reliable, we can use those laws as a model for Cosmolaw.

10 Wiener, Page 79

11 Fulghum, Page 125

Nature operates by a simple law imposed upon every aspect of the universe. Everything involves an interlocking particle and potential working together in a place. The universe is the **Structure** where **Essential particles** of every size, whether microscopic or as large as a sun, respond to **Dynamic forces** that make those particles spiral to create the complex **Result** we call nature. This is Cosmolaw.

So, we will use the term "Cosmolaw" whenever we are not applying the outline specifically to Economics. I apply Cosmolaw to Economics in Part II. There I refer to "Electrionomics." This coined word was the title I first chose for the book. It did not convey the general meaning we had in mind, but it does express unity between the laws of electricity and what could become laws of Economics: "electri" – electricity; "onomics" – Economics.

Remind yourself often of the Cosmolaw outline, and you will be able to use a formula of great simplicity, yet of most profound complexity. Opening a subject this broad makes impossible a full treatment of its implications. If we are accused of oversimplification, we accept the criticism but point out how simple a road map is, how much it leaves out, yet how indispensable it is to a traveler. Stephen Wolfram's *A New Kind of Science* suggests that the complexities we see around us came from what he calls a simple source like a basic computer program dating back to the beginning of time.¹²

In order to persuade scholars sophisticated in Physics and Economics that Cosmolaw makes sense, we must later use scientific terms to explain our point. However, as foreign as your experience might be to any chapter, do not be discouraged. If you can picture an actor, toes to the mark (**Structure**); a camera pointed at him or her (**Essence**); and a director barking "Action!" (**Dynamic**) as they create a movie (**Result**), you can follow the reasoning this book presents.

If you internalize Cosmolaw, you will be rewarded with a system of thought, a method of analysis and a tool for solving problems that will enliven you. If you are a physicist, you may find here the Grand Unification Theory. If you are an economist, you may discover laws that will make your work more effective.

This book puts into your hands a tool. Any use of Cosmolaw by this

¹² Popular Science, January 2003, Page 73

author to explain an issue or to draw a conclusion is only a use of the tool. I can imagine a reviewer of this book observing that the author's application of Cosmolaw is sometimes "strained." I will accept the criticism on the condition that the critic apply his own application, using Cosmolaw the way he sees fit. If the man who discovered the hammer used that tool to hurt people, he did not prevent later constructive uses of that tool. In other words, should you think this book suggests wrong conclusions, apply your own links to the thought tool of Cosmolaw. The formula suggested here is a method of thought. It is a method you should learn. The author's applications of that method are secondary. Ignore or disagree with every conclusion drawn, and you can still benefit from the book.

Learning Cosmolaw will help you discover a new method of analyzing the universe – a new way of thinking. However, Cosmolaw is extra-disciplinary. This book deals with physics, cosmology, Economics and many other subjects. Read what Hawking has to say about the scope of what he calls the Grand Unification Theory and what I call Cosmolaw: "... the origin of the universe [is] apparently beyond the scope of science."¹³

So, our quest is for a unified method of dealing with every conceivable issue of life, not just science. Pity the librarian who must find a category for this book. It purposely ascends above the subjects we discuss. It demonstrates a love of knowledge, but its author is not a philosopher. The book will aid the logician who has an open mind, but it is not a Logic treatise. I hope it will challenge the physicist, but it is not a science text. In my fantasies it will apply laws to Economics, but it is not an Economics text. Of all the classifications, however, if I were placing the book on the shelf of the library, I would choose "Space Exploration." (Don't expect any librarian to take this seriously.) If the librarian is educated in philosophy, however, the book will be found under "Teleology."

Faustino Ballvé wrote, "Economics is not about anything that could be expressed in mathematical terms; its domain is rather that of imagination and invention, of adventure into the unknown, of a hazardous enterprise that is not for the cowardly."¹⁴

13 Hawking, Nutshell, Page 79

14 Ballvé, Page 96

Skidelsky reports, “Economics is a branch of logic,”¹⁵ The book deals with far more than logic, but it is my desire to apply the tool of thought presented here so effectively to Economics that future economists might clarify their thinking about this vital field of study – a science based upon art, and an art based upon science – the **Result** impacting the lives of every human being.

Few people feel they know much about how electricity works. So, readers seeing that the heart of my thesis is a study of the laws of electricity could feel disqualified to give the book a careful reading. Do not fall into this trap. Even if you do not understand electricity, you need Cosmolaw. From our examination of the proven laws of electricity, we will find the framework of knowledge.

Cosmolaw is found in every aspect of life and of the universe, so the book can never be completed if our task is to demonstrate our thesis in its entirety. So, instead of setting out to be complete, I have chosen to make this book as understandable as possible. Hopefully, the thought tool Cosmolaw will become a habit helping you to analyze every problem the future brings. Perhaps some reader will use this tool to solve a difficult problem beyond the reach of today's greatest thinkers.

Everything in the universe is in a **Structure**, a place. The **Structure** of life is the universe. The universe is where we live. It sets our limits. Of course, within the universe there are more local **Structures** that keep us from exploring the edges of our galaxy. The obvious point is that the universe **Structures** us. Every **Result** has an **Essence**, a particle. Life's functional **Essence** is the economy. That **Essential** particle moves in time. Life's functional **Dynamic** is to advance personal prosperity. Wherever a functional **Dynamic** grabs a particle, **Essence**, and they function in a **Structure**, they produce a **Result**. You may be surprised at how we discover that the overall **Result** dealt with in this book is a fulfilled, contented spiritual life.

Think of the formula this way: **Structure** containing **Essence** times **Dynamic** equaling a **Result**. Or for a simpler way to remember the outline, think of it as place containing a particle times a potential equaling a purpose. However you remember the outline, it will unify your powers of observation. A simpler word for “Dynamic” would have

15 Skidelsky, Page 83

been “thrust,” but there is a shade of difference in the meaning. The word “thrust” carries with it a present tense movement sharply distinct from the immediate past. The word “Dynamic” on the other hand has more of a potential for action wrapped up in its meaning. It also conveys the thought of continuing action. The aspects of both potential and continuing action are important to an understanding of Cosmolaw. The point needs to be made that the words are unimportant. The concept is what you must catch. If it would work better for you, try **Structure**, Substance, Shove and Summary. Stop and think about these methods of expressing Cosmolaw, so that the flow of ideas becomes clear.

Within an understanding of the workings of electricity, the elements of discovery itself are found. Robert S. Root-Bernstein wrote, "The most important question in science is how to discover."¹⁶ He suggests there is a need to develop a strategy for research that would increase our potential for solving science's problems. One of the questions posed by his unusual book, *Discovering*, asks, "is there an identifiable **Structure** to the process of discovering?"

I will show you that **Structure** is a discovery about how to discover. If our leaders apply this discovery, they may be able to lead us to greater economic prosperity.

When electricity is understood for what it is and when we apply what we learn from understanding electricity to other disciplines, we can better grasp methods available to us that will improve life. Electricity operates as an expression of natural law. If we learn how electricity works, we will understand that electricity teaches us the general content of natural law. If we understand natural law, we can pattern our thinking accurately about everything we observe.

Reaching too far back into history to warrant including it in my Bibliography is a 1960 article in *Printers' Inc.* -- a trade journal for newspaper editors and writers. In a “Special Report” with no byline, we see a graphic entitled “Thinking Creatively.” It reads, “A creative thinker might approach an intellectual problem by following this general three-step procedure. 1) THE SURVEY. First the creative thinker familiarizes himself with the problem area and forms a mental plan of the over-all problem. 2) EXTRACTING THE ESSENTIALS. Next he examines the

¹⁶ Root-Bernstein

mass of detail that comprises the problem and identifies the key factors that hold it together. 3) PUTTING THE DETAILS TOGETHER. Finally, he relates the details to the essential principles and unites them within the framework of his over-all problem.”

If you see creative thought as the desired **Result** of this discussion, you will have no problem calling point one laying out the **Structure**, point two the **Essence**, (that very word is used) and point three the **Dynamic**. What we must grasp here is that clear thinkers have been following what I call the Cosmolaw outline for a long time. It should not amaze us to find this to be true. It is no more amazing than to learn that cultures far from us ordinarily awaken from sleep and rise from bed when the sun rises. It is a natural dictate. The contribution of this book is to link this natural clear-thinking tendency common to human thought with the formulas from nature that show it to qualify as the generic Grand Unification Theory.

By applying the characteristics of electricity to our thought processes, we can improve our ability to make decisions, enhancing our ability to relate to each other. Problems otherwise beyond solution can be broken down into their components, their relationships discovered and solutions found.

The **Result** we seek is a better, more useful method of analysis. That purpose will be reached as we discover a new tool for analysis, grasp that tool as the particle or **Essence** of our entire decision making, empowering us with the **Dynamic** for more effective problem solving.

When Cosmolaw is put to a practical application in *Electricity, Money and Contentment* it looks like the chart below:

COSMOLAW	Electricity	Money	Contentment
Structure:	Natural Law	Liberty	God the Father
Essence:	Electrical Formulas	Economic Activity	Jesus Christ
Dynamic:	Universality	People	Holy Spirit

The study of Economics is most in need of the discipline this tool of thought offers. So, in Part II, we concentrate upon how Cosmolaw applies to the major elements of Economics. The Cosmolaw outline

presents an orderly guide for clear thinking about Economics. Whether or not you ever do serious work in that field you will benefit. The outline fits everything in life. The very fact that Cosmolaw fits everything in life is my chief reason for choosing Economics to illustrate it. Other than electricity itself, there is no other field of study, including religion that touches our lives with more universality than the field of Economics. So Economics and Cosmolaw share a common characteristic.

In Part I, we discover the place in nature where the formula has been providing **Structure** for centuries.

In Part II, we apply the formula to the **Essence** of our world's most difficult socio-economic problems, analyzing **Essential** economic ideas that could, if applied, solve some of the world's social ills.

In Part III, we see how Cosmolaw can be applied to the individual, showing how nature harmonizes with the Person of God, **Resulting** in a life of prosperous contentment being within reach for anybody.

As we go through our study of Cosmolaw we will be asking wherever we go in our study:

- 1.What contains it? (**Structure**)
- 2.What is it? (**Essence**)
- 2.What drives it? (**Dynamic**)
- 3.Where is it going? (**Result**)

Let's get started!

Part I

“Believe in God, in His providence, in a future life, in the recompense of the good; in the punishment of the wicked; in the sublimity and truth of the doctrines of Christ, in a revelation of this doctrine by a special divine inspiration for the salvation of the human race.”

-- Andre Marie Ampere (1775-1836)

Discovered the unit of measure for the strength of electric current.¹⁷

¹⁷ Federer, Page 26

PART I: Einstein

With all the great discoveries leading to man's ability to penetrate space, with the "unification" of one complexity after another, with the almost universal acceptance of the "Big Bang" theory,¹⁸ still physicists are not content. They continue to look for a formula that will wrap into one set of mathematical concepts the relationships between the major aspects of space, time, electromagnetism, quarks, leptons and all the tags, labels and complexities they have discovered about our universe. Their reason for searching for this Grand Unification Theory is that they seek a more absolute framework for their discoveries about the nature of the Cosmos.

Cosmolaw, rightly applied, can become the tool of reason they seek. It explains life and can provide the open-minded scientist with formulas to help him solve unification problems. Abdus Salam warns, "One should always guard against getting too attached to one particular line of thought."¹⁹ However, one should also be warned to be aware of as many lines of thought as possible.

In German the name "Einstein" means "one container." *Ein* – "one." *Stein* – "mug". Was it with a sense of fulfilling the destiny of his name that Albert Einstein directed his energies to the attempt to find a single formula that would explain all the workings of the universe? We will never know. However, many men have sought a name as they have joined the search for Einstein's "holy grail."

My contribution to this quest is what I call "Cosmolaw." The term I first chose for this discovery was "Electrionomics." The heart of this book is my effort to apply what we can learn about the laws of electricity

18 Samuel M. Poist of Baltimore, Maryland, is so convinced there was no "big bang" that he took out a full page advertisement in the December 9-15, 2002, Washington Times National Weekly Edition to express his concern that "... the 'all-knowing' anti-God element of science continues to insult all reason with the noxious claim that the earth and all other bodies in the cosmos were brought into being by a 'big bang' ..." Poist goes on to call those scientists "pig-headed," which is not a diplomatic way to convince them of his point of view. We prefer to use the arguments of science to demonstrate the significant evidence that God has placed His personal imprint upon His universe, while fitting the "Big Bang" and other cosmological observations into the pattern of the six-day creation revealed in Genesis.

19 Salam, Page 135

to the field of Economics. The combination takes this discussion from an elevated philosophical level to practical everyday issues.

Reduce the laws that govern electricity to their generic meanings, and they express how all of natural law works. Using the Cosmolaw outline, I see the laws that govern electricity as the **Structure** of Cosmolaw. An author whose name is Wrong – Dennis H. Wrong – would almost have to be right. In *The Problem of Order*, Wrong warns, “The term structure, however, is so widely used in all disciplines with reference to any and all entities and phenomena that it has acquired an abstractness obscuring its metaphorical character.”²⁰ Cosmolaw gives the term “**Structure**” more significance. Think of the spinal column of any animal, or think of the steel girders of a building. A **Structure** is a place for activity.

To demonstrate how natural law gives **Structure** to Cosmolaw, we will look to the laws that govern electricity. For decades scientists have been seeking a formula to help them explain everything that can be known about our universe. As Krauss points out, “It is only through mathematical formulations that a correct picture of physical reality can evolve ...”²¹

Focus on one single functional **Essence**. Pick up your pen. Watch that pen as it is wrapped in your **Dynamic** fingers that move it. Find what limits your use of the pen, and you will see its **Structure**. Is it your note paper? The **Result** is your written note.

Abdus Salam observed, “The concept of elementarity of *matter* is something that has evolved as time has gone by. Of the four Greek 'elementary' entities, three (earth, water and air) could be called 'elementary' entities of *matter*, while the fourth (fire) represented a force.”²² Salam, though unaware apparently of the harmony of his thoughts with the laws of electricity, echoes the two-part function of Cosmolaw. Matter must be wrapped in a force for anything to come to a **Result** within a **Structure**.

Decades ago, when I was in grade school, I would read *Flying* magazine in the library. I recall reading the prediction that within twenty years most travel would take place in the sky. Airplanes would replace

20 Wrong, Page 4

21 Krauss, Page 9

22 Salam, Page 23

automobiles and become the chief mode of travel. It did not work out that way. Why? Because there is a lack of **Structure** in the sky to accommodate massive individual use of the air for travel. There are no discernible highways in the sky; no left lane and right lane; no white lines; no yellow lines; no stop signs or traffic lights. Yes, there are massive lanes marked out for commercial airlines to use, but the expertise necessary to lay out and to use this **Structure** in the sky rules out the average driver. Without **Structure** a function cannot operate. So, the predicted **Result** never happened.

The **Essence** propelled by a **Dynamic** within a **Structure** that does exist, however, will create a **Result**. There is a substance pushed along by a **Dynamic** through a **Structure**. Those three expressions always combine to create a **Result**. Taken together, these three-in-one analytical facets characterize everything.

Why did I choose the term “**Dynamic**”? Why not “movement”? The reason is that movement depicts activity. It is important to define the **Dynamic** aspect of Cosmolaw as being the capability of movement, the potential of movement as well as movement itself. The **Dynamic** in an electrical circuit is a potential we call electromotive force. To understand this concept, think of an army. The force represented by an army is sometimes most effective simply on display in a parade or out on maneuvers. An army does not have to go to war in order to fulfill its purpose.

The **Result** of our study will be a unique world view. We will look at the electrical formulas or **Structure** that will provide the framework for Cosmolaw's generic version of those formulas. With the tool of reasoning provided by these general formulas, we can look anywhere and see space-time in a new way.

The **Structure** of everything is what *is*. The **Essential** order is wrapped in the **Dynamic** of what philosophers have come to view as “chaos,” bringing about the **Result**. If the adherents to the chaos theory become acquainted with Cosmolaw they may see some measure of order beyond their former observations.

One night my wife and I were watching a geologist on educational television. He was illustrating a chart showing the geological make-up of the earth, its core, its radioactive center, its rock and its surface. The geologist began talking about the cell membrane in human beings. The

cell membrane, he explained, has three parts. First, there is DNA. Protein synthesis produces DNA, but that very protein synthesis is dependent upon DNA it produces for its identity. The energy synthesis, he went on, is also dependent upon the DNA, and the energy synthesis supplies energy for the protein. Take the Structure provided by DNA, the **Essence** called protein, energized by the **Dynamic** of the energy synthesis and you have the **Result** of the cell membrane.

I turned to my wife and said, “See, there is the outline of Cosmolaw! This man doesn’t realize he has just expressed his thoughts within the framework of the laws of electricity.” He is one of many unknowing practitioners of Cosmolaw.

In Chapters 1-3, we discuss the way electricity works and how this working opens up an understanding of Cosmolaw.

Chapter 1: Einstein's Quest

Relativity is the Structure

Quantum Mechanics is the Essence

Strong Force is the Dynamic

Chapter 2: Natural Order

Laws of Electricity are the Structure

Electrical Formulas are the Essence

Generic Meaning is the Dynamic

Chapter 3: Universal Law

Consistency is the Structure

Simplicity is the Essence

Applicability is the Dynamic

PART II: Money

Einstein has been viewed as floating above mankind in a cloud of foggy mathematical formulas disconnected from everyday life. However, Einstein is quoted as saying, “Concern for man himself and his fate must form the chief interest for all technical endeavors. Never forget this in

the midst of your diagrams and equations.”²³ So, what was Einstein's reason for his quest after a Grand Unification Theory? Would it be fair to conclude that he hoped to better the living conditions of mankind? Did he want to cast light on a new view of Economics? Whether Einstein actually wanted to apply his thinking to Economics is beside the point. We can see in his search the desire to provide a path for such an inquiry. Cosmolaw is that path.

The economy is Cosmolaw Electrionomic's functional **Essence**. In Part I, we observed how the laws of nature at work in the formulas governing the behavior of electricity provide a method for understanding the universe. Now, we intend to apply Cosmolaw to economic thought. The coined word “Electrionomics” is my effort at bringing electricity and Economics into the same expression of thought.

David M. Jones writes, “[E]conomists were created to make weather forecasters look good.”²⁴ George Bernard Shaw once penned, “If all economists were laid end to end, they would not reach a conclusion.” Shaw was frustrated because Economics is so difficult to understand. The study of human relations is called sociology. However, even though a study of Economics can involve mathematics, it is not a discipline bound up in numbers. William L. Anderson writes in the February 2002 issue of *The Free Market*: “Modern Economics fails at the very heart of analysis, that being the attempt to make Economics into a branch of mathematics instead of a systematic way of examining human action.” Economics is about human beings and how they relate to each other. It is about people in social groupings.

At the heart of the study of society is Economics, the study of how we meet the needs of each other. The aim of Economics is to create conditions that allow people to prosper.

We entitle this section “Money.” However, that word does not adequately embrace the subject. Wanting the book's title to echo Einstein's “ $E=Mc^2$ ” we have set aside more comprehensive titles such as “Economics” or “Prosperity.” There should be no problem, because for most of us the important aspect of Economics is money. We will discuss in Chapters 4-6 the prospect of applying some reliable laws to the study of Economics.

23 Popular Science, March 2003, Page 102

24 Jones, Page 3

If you take apart the word Economics, you get "eco" and "nomics;" "eco" means "home" (Greek: "oikos") and "nom" is "name." So the person who studies Economics is simply trying to put a name on where he lives. To define home, our task is to mark its boundaries, observe its activities and seek to improve its conditions.

Home for man is the earth, the political subdivision and the specific place of residence. We visualize man in all these relationships and wish for his prosperity. Government seeks to control economic conditions within the borders of the nation. Its goal should be to increase prosperity by creating conditions allowing individual citizens to make their surroundings more pleasant. Try as it does to fulfill its goal, however, government seldom succeeds.

Lew Rockwell writes about the most benign of governments, those operating on the state and local level: "As with all governments from the beginning of time, they generally retard social progress and muck things up as much as possible. What they do not do, however, is run huge deficits, accumulate millions in debt, reduce the value of money, bail out foreign governments, provide endless credits to failing enterprise, administer hugely expensive and destructive social insurance schemes, or bring about immense swings in business activity."²⁵ Those attributes are the unique domain of federal governments.

As the Cosmolaw outline found in the laws of electricity applies to everything, those fixed laws of electricity become applicable to the non-scientific, lawless field of Economics. What we studied in Part 1 demonstrates the immense potential complexity of Cosmolaw. There is no possible way in this space we could exhaust even one of the formulas you learned about in Chapter 2. Further, Cosmolaw, as expressed in the complex formulas laid out there, has not yet been demonstrated within the scientific method to apply faithfully to every field of endeavor. At this point it is a plausible tool for exploration. You will not find here an exhaustive treatment of any subject we touch. Instead, you have in your hands an intellectual and spiritual shovel with which you can mine any field of thought. However, as we apply Cosmolaw to Economics, to a limited extent we open this vast field to our examination.

Faustino Ballvé showed his frustration by writing: "...the average

²⁵ Rockwell, Page 3

person, including those who by virtue of their positions are called upon to play a leading role in society, lacks any economic education or considers Economics a futile or incomprehensible kind of erudition. One of the most pernicious consequences of their ignorance and of the resulting refusal to reflect seriously on economic problems is the tendency on the part of the majority of citizens to favor eclectic compromises as solutions. They are the more inclined to do so as, in their blindness to economic reality, they fail to perceive that all of us have a stake in these problems and that our welfare and even our freedom and our lives depend on the way in which they are resolved. This attitude on the part of the public is responsible for the fact that day by day, slowly but surely, we find ourselves sliding down the slope...”²⁶

Mine is not the first attempt to “tame” the study of Economics, applying to it laws common to other disciplines. Menger writes, “Past attempts to carry over the peculiarities of the natural-scientific method of investigation uncritically into Economics have led to most serious methodological errors, and to idle play with external analogies between the phenomena of Economics and those of nature...” He concludes, however, “... the phenomena of economic life, like those of nature, are ordered strictly in accordance with definite laws.”²⁷ It is those laws Cosmolaw brings to the study we here call Electrionomics.

The writer of the e-mail newsletter *Point of Life* muses, “There is one common factor in all accomplishments. It is the reality that we cannot live a prosperous life outside Universal Laws. Yes, we have the free choice to go in a different direction, but if we do, we will suffer the consequences ... Luck plays no part in following our genius, for the more we practice our creativity, the more fortunate we become.”²⁸

I believe Cosmolaw grasps the part of Universal Law that I call “Electrionomics.” In these chapters we shall discuss how you can increase your fortunes by aligning your creativity with the Electrionomic aspects of Cosmolaw.

Here is where we are going in Part II. Preparing you for the study of Cosmolaw to come in Chapters 4-6, we will try out “Electrionomic” thinking on a set of possible economic arrangements. We will start with a

26 Ballvé, Page xii-xiii

27 Menger, Page 47-48

28 Global News Letter

good **Result** to seek: prosperity. To try to create this **Result**, we will have to analyze prosperity. We will call the **Structure** of prosperity “governmentally protected individual liberty.” Only in liberty can prosperity develop. We will see economic activity (commerce) as the **Essence** of prosperity, and self-motivated, self-fulfilling people as the **Dynamic** of prosperity.

Then, within the **Structure** of economic activity, we will look at goods and services. The monetary policy of government is the **Essence** of economic activity, and affordability is the **Dynamic** of economic activity. We will go from there to study educated, clear thinking and to explore its **Structure** of education, its **Essence** of need assessment and its **Dynamic** of greed. Our final example of Cosmolaw as it relates to prosperity will be to examine the **Dynamic** of prosperity: self-interested people.

We will go three levels deep, exploring what makes up prosperity and each of the three parts of prosperity, each of those three parts having three parts. If we went a step deeper, we would display 27 of the infinite number of aspects involved in the study of prosperity. It is not so important how deeply we take this example of Cosmolaw as it is to show you how it works. The point we are trying to make has nothing to do with what labels we apply. It has to do with the Cosmolaw method of applying labels that leads to a clear analysis.

We are opening our minds to how the Cosmolaw formula can improve our everyday lives. In the end we will see if we can discover why.

Chapter 4: Individual Liberty

Limited Regulation is the Structure

Conflict Resolution is the Essence

Human Beings are the Dynamic

Chapter 5: Meeting Needs

Goods and Services are the Structure

Monetary Policy is the Essence

Price is the Dynamic

Chapter 6: Social Relationships

Education is the Structure

Ambition is the Essence

Empathy is the Dynamic

PART III: Contentment

Cosmolaw's **Dynamic** is Contentment, a step beyond happiness. Originally, I had intended to make the thesis of this book a quest for prosperity. In Part I, we examined the **Structure** of Cosmolaw principle: the laws, the formulas that reach into every dimension of our universe. In Part II, we applied those laws to Economics and showed how people can best get along with each other, applying the Electrionomic Cosmolaw principle to our business and political lives.

If you, like George Herbert Walker Bush, were born “with ... silver ... in your mouth,”²⁹ you know that prosperity does not bring contentment. John Maynard Keynes said the “animal high spirits of businessmen” is the source of prosperity.³⁰ I doubt anybody is interested in living in the wake of animal spirit activity. We need something better than prosperity. Money is great, but it is no gateway to fulfillment in life.

If you lived in Bhuton, you would live under a government whose goal is not an increase in the Gross National Product, but rather in this little nation of two million souls between China and India, where the national unit of currency is called the Ngultrum, the economic goal is growth in “Gross National Happiness.” That's a better idea.

In Part III, we will examine how you can develop the functional reality of the **Structure** of your life, with the **Result** that you become both prosperous and contented. A quest for prosperity alone would be like an electrical circuit with Voltage, but no Amperage. Prosperity without contentment is at best empty. At worst it brings on tragedy. But in seeking contentment we need to be careful. It is one of those spiritual attributes, which when sought after, can flee from us. David Hoffeld said, “Contentment is not a destination, but rather it is a mindset.” If what you read in this section seems to resonate with what you believe,

²⁹ Governor of Texas Anne Richards in a Democratic Convention speech joked that Bush was born with a “silver foot in his mouth.”

³⁰ Inc. Magazine, January 2003, Page 86

even if you were not reared in a Christian or Hebrew environment, don't be surprised. If we are dealing here with the underlying universal principles of life, you will find many points of agreement with the basics of what you have been taught.

Attorney Gerry Spence writes that our society is taught "... false wisdoms – that human worth is measured by the amount of money each possesses, that human fulfillment is measured by the numbers of dead objects, gadgets, and things money can buy, most of which are manufactured by the breathing dead themselves in hideous places called factories, where the breathing dead labor with the same low groans and monotonous motions of the machinery. At last, the breathing dead sell their lives an hour at a time to acquire the means by which to buy the stuff of their living death, and when the breathing dead are worn out, like the machinery they mimic, they are written off, cast out, and replaced."³¹ Of course, Spence's "breathing dead" are all working to be prosperous, and some gain a measure of prosperity before they die. Can it be made clearer that prosperity does not necessarily bring with it contentment?

A devotional writer penned it this way: "Contentment comes when we want God's will more than our own way."³² The Apostle Paul suggests that it is possible to be "godly" and still not be content. In I Timothy 6:6 he writes, "Godliness actually is a means of great gain, when accompanied by contentment." So, if we want the **Structure** of our lives to be spiritually healthy we should call the **Essence** "surrender to God's will" and the **Dynamic** "prosperity." With God's will as the Amperage of your life and financial prosperity as the Voltage, the **Result** should be contentment – a peace in knowing that you can be all that God wants you to be and that He gives you the ability to do all He wants you to do.

When Paul appeared before the Greek philosophers of his day, he told them that as he toured Athens he had found an altar dedicated to "the Unknown God." Paul stunned these learned men by continuing, "Whom therefore you ignorantly worship, him I declare to you."³³ The chief authority of "dedicated" Christians is "The Word of God," the Bible. However, there is an authority greater than the Bible: the "God of

31 Spence, Page 32

32 Our Daily Bread, Radio Bible Class

33 Acts 17:23

Word.” This God whose creation is the **Result** of the **Dynamic** vibrations of His spoken Word is the one whose image is found in Cosmolaw. The Apostle Paul tells us how important it is to trust the living Lord Himself. To do otherwise would be like traveling on a road sign instead of upon the road itself. 2 Corinthians 3:5-6 tells us, “[We are not] sufficient of ourselves to think anything as of ourselves, but our sufficiency is of God; who also has made us able ministers of the new covenant; not of the letter, but of the spirit; for the letter kills, but the Spirit makes alive.”

Today's physicists have not erected an altar of stone to the God they seek. They have, however, opened themselves with honest vulnerability to that God by seeking the “Grand Unification Theory.” Their microscopic study into Quantum Physics and their macroscopic discoveries involving space-time have driven them to the edge of their ability to discover. On this cliff overlooking a clear understanding of as much of the universe as it is ours to analyze, they have let it be known that they seek the great unifying principle. The Unknown – they declare – must become known. They admit, in the words of Silvan S. Schweber, “... the difficulty is only that the exact application of these laws [of physics] leads to equations much too complicated to be soluble.”³⁴ Does that speak to you of human intelligence recognizing it cannot grasp the full implications of the infinite? Yet, if the infinite is infinite, then He is also within the finite. His imprint should be visible to us, if not the extent of His presence and influence.

If science ever recognizes a "Grand Unification Law," that law must be inter-disciplinary. It must not be limited to cosmology, chemistry, astronomy or mathematics. Further, it cannot be content with ignoring pre-Big-Bang considerations. It must be a law demonstrating how every aspect of every area of study unfolds. Further, it must be recognized as a verification of what the best of theology teaches us of the nature of God. To limit the “Grand Unification Theory” to cosmology, Physics or mathematics would be like building a restaurant without a kitchen. It may look good. The formulas may be consistent with themselves. It may be recognized by the authorities as a viable place for an intellectual feast. However, don't expect it to display any practical value.

The Triune Godhead is the **Structure** of the universe. Within that

34 Schweber, Page 34

Structure we will see the functional **Essence** and **Dynamic** necessary to the **Result** that is God Himself. We will look at God in the flesh, the **Essential** Jesus Christ. Then we will find wrapped around Him the **Dynamic** of God's Holy Spirit. The first chapter of Genesis repeats this functional pattern: over and over again we learn of the beginnings of light and darkness, day and night, water above and water beneath, land and sea, male and female, and other couplets resonating with the imprint of the relationship between the Holy Spirit and God the Son.

Linking the nature of God to the characteristics of the universe He created and applying what we learn to ourselves, we must conclude that the practical function of Cosmolaw (its **Essence** and **Dynamic**) is to enhance our personal prosperity with contentment. The **Result** of Cosmolaw, correctly applied, is the contented individual.

When we think correctly, we tend to behave correctly. If you use Cosmolaw you will increase your ability to think clearly. No human can expect to be able to think the thoughts of God, but Cosmolaw reveals the imprint of God's thinking upon His creation of the universe.

We discern the pattern in the words of Paul: "For now we see through a **glass, darkly**; but then face to face: now I know in part; but then shall I know even as also I am known." (I Corinthians 13:12.)

As you grow into the use of Cosmolaw, you will be thrilled that it is like having a foretaste of Heaven, because you will increase your knowledge of and respect for the God of the universe.

We have searched natural law and the laws of Economics to learn how the Cosmolaw formula works. Now, we will see if we can discover why.

Chapter 7: Life's Purpose

Worship is the Structure

Analysis is the Essence

Habit is the Dynamic

Chapter 8: Life's Source

Love is the Structure

Faith is the Essence

Grace is the Dynamic

Chapter 9: Life's Breath

God in us is the Structure

Commitment is the Essence

Enthusiasm is the Dynamic