

THEORIES ON HUMANITY

EMOTIONS, RELATIONSHIPS
AND
HUMAN ADVANCEMENT

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Introduction to Bookset

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The author, Suresh K Maran was born in Karur, in the state of TAMIL NADU in India. He studied Electronics and Communication Engineering in the premier college of CEG of Anna University, Chennai. Then he studied Physics, MS/PhD in USA at University of Pittsburgh, attempting to quantize gravity. Then he came back to India and realized that sociology and psychology is heavily influencing science and technology and deeply connected with economic development. As it is highly interdisciplinary and cannot be done in academic environment, worked as independent researcher. After about ten years of work put together the ideas in this spectacular piece of book-set that lays the foundation for science of human relationships, which can help in bringing fundamental progress in socio-economic development around the world. He is interested in everything fundamental to the universe and human progress.

I What is this book set all about?

1.1 The Purpose of this book Set

People are dissatisfied with education, concerned with parenting methods, career, business and family issues. They are concerned with tremendous differences in the economic development and income throughout the world and within communities. Moreover, the rich nations suddenly suffer of economic depression and economic stagnations. All over the world politics has always been controversial. We see a world plagued by personal, national and community conflicts. Global warming, environmental issues, inequality, poverty, crime, divorce, politics, drug abuse, violence, etc. – make us think about how to overcome these problems. This book set is motivated by the need to solve these human problems. The purpose of this book set is to lay down a comprehensive theoretical foundation for human mind and relationships and use it to tackle human problems.

People have suffered through numerous such problems throughout history. The journey of humankind from its prehistoric roots to the modern world is a story of trials, tragedies, suffering and intermittent progress. We live in one of the best times in human history, with the world steadily undergoing economic development. Yet, at the same time, we have also developed weapons of mass destruction that wipe out humanity in a matter of hours. Much progress needs to be made as many other problems hassle both rich and poor¹ nations.

To solve human problems and make progress, one needs to understand that the activities involving these problems are essentially human intellectual and relationship activities, as I have stated before. For example, parenting and education are both relationship and intellectual activities. Economic activities are managed and executed by social and intellectual activities. Global warming, environmental issues are the issues of relationship of humans to nature. Similarly, we can see that all the other activities are also governed by relationship and intellectual

¹ All nations in the world are always developing, including the richest nations. So, in this book set, I will use the words “developing nation” and “developed nation” based on a nation’s economic status at the beginning of the second millennium AD.

activities. So, solving people problems in all these activities requires understanding the human mind and relationships, and using the knowledge to develop skills, ideas and strategies to make progress. For this we will develop the proper theories of mind and relationships, and human society, and finally develop a philosophical theory called the Scientific Relationism to tackle these issues. Later we will see how this will be accomplished in this book.

1.2 Economy and Society

One of the important issues we focus on this book is economic growth. We can roughly summarize economics as follows:

Economics = Technology + Relationships

Economic production is all about people getting together and working together to produce products and services using the available technology. In any economic activity, people, apart from manipulating the technological tools to produce products or provide services, rest is all relationship activity. So economic production depends very much on relationship activity.

Now-a-days technology is rapidly evolving. Innovation requires a relational environment which promotes creativity. Only few places in the world seem to have the proper social environment for innovation. Most places in the world rapidly assimilate technological innovations available. But,

Technological skills themselves don't become productive economics.

The relational processes involved such as business teamwork, industry-consumer interaction, industry-government interaction, people-nature interaction, political processes, government-people interaction, and, advertisement and sales, etc., to promote effective production and utilization of services and products to improve overall quality of life in people, etc. are crucial. Also, stock market investment and return depend so much on relationship processes. Managing environment-people relationships are important part of healthy economics.

Failure of technology can prevent people from solving day to day issues. Failure of relationships can lead to misuse of technology to

detrimental to oneself, others and the environment. Healthy economics can also be considered as one that helps in long term survival and good emotional well-being. The theoretical foundations and ideas in this book aim to help people to balance in technology and relationships in way that promotes healthy and constructive economic development. We will discuss all factors discussed in the last paragraph throughout this book set.

1.3 Organization and Benefits of this book set

I have divided this book into three volumes with necessary concepts laid down in a systematic and continuous fashion. In the first volume, I lay a theoretical foundation for understanding human mind and relationship phenomena to help understand people issues; in the second volume, I apply it to understand human socio-economic evolution; and, in the third volume I sketch out a systematic framework of ideas to tackle the major issues humanity faces.

The abstract and benefits of each volume are as follows.

1.3.1 Volume I: A Theory of Mind and Relationships.

In this volume, I focus on the human individual and relationship phenomena between individuals. I discuss scientific discoveries regarding the function of human brain and how it relates to human behavior. I develop a simplified model of human mind and relationships based on the latest scientific understandings of the human brain. I discuss how various human behaviors relate to different types of human emotions and instincts.

I discuss different types of people based on their psychological and social makeup. I propose non-genetic mechanisms for development of diversity in people based on social environment. I discuss the relationship phenomena during interaction between different types of people. This volume does not refer to any particular community or nation in the world, and it is common to all societies.

Benefits of this volume are as follows.

- Benefits of this knowledge are that it helps to understand how instincts and emotions influence one's own behavior and thinking processes in various circumstances. Through this

they help us in decision making, planning and choosing actions.

- In parenting, it helps to understand how parents shape children's mind. Using this they can tailor their parenting process to create future citizens who are talented and balanced both in intellectual and social skills to survive in future society.
- It helps in marriage and love to understand partner's wants, needs and sensitivities, so that they can develop stable relationships.
- It helps to understand various types of personalities and choose one's own action towards others to develop mutually beneficial relationships.
- All these are very beneficial in promoting one's career and managing family and business affairs.

I.3.2 Volume II: A Theory of Human Socio-Economic Evolution

I use ideas from the first volume to understand the psychological, sociological, economic and political evolution of humanity. I discuss brief overview of the world history first. I discuss how the people (Homo sapiens) after emerging in Africa migrated and peopled the different parts of the world. I discuss the economic-political history (including prehistoric, ancient, Middle Ages and modern age) after the peopling and the lessons learned from them. I discuss how economic evolution is intimately connected to relationship and socio-cultural evolution. I discuss the role of human emotions in bringing violence and conflict between people and groups, and its negative long-term effects on people in terms of economics. I discuss how diversity and tolerance are intimately connected to economic development. I discuss how failure in relational aspects brings negative economic effects on nations, states and communities throughout history. Particularly I discuss the topics of education, research and creativity in different parts of the world which are intimately connected to social and economic processes. Finally, I summarize the ideas from volume I and II as the theory of human relational evolution.

Benefits of this volume are follows:

- It is helpful in designing national and political policies that promote social and economic advancement.
- It is helpful in creating helpful social environment that promotes economic advancement.
- It helps in tackling violence in community by addressing the social processes that leads to them.
- It helps organizations in managing internal and external affairs, and in promoting customer relationships.
- It helps in improving educational policies.

I.3.3 Volume III: A Theory of Scientific Relationism

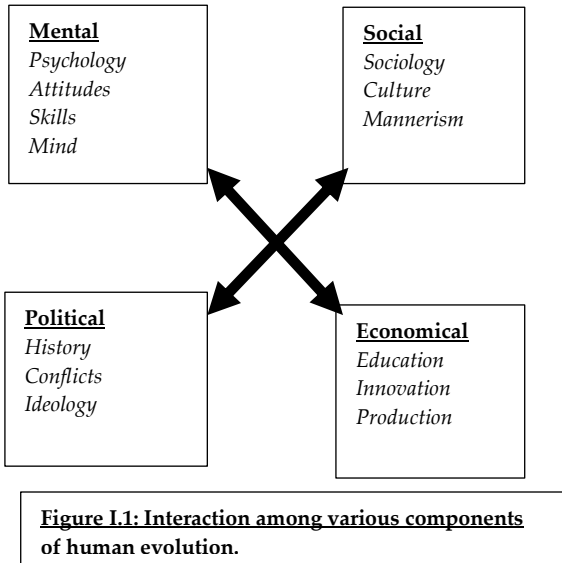
In this volume, I propose the philosophy of scientific relationism. It is a framework of self and relationship principles designed based on the first two volumes to help maximize the performance of a society such as material, psychological quality of life, and long-term survivability of human life. I discuss what life is, and its purpose using science. I introduce three basic principles of scientific relationism and many principles derived from them. I discuss extensively relationship ideas for improving interpersonal relationships, organizations, community-individual relationships, family relationships, etc. I discuss problems in government, business and academia, and how to make progress in them. Finally, I list and discuss briefly the current critical problems in the world and ultimate goals for humanity to achieve. This volume proposes and charts out how to achieve the benefits of ideas presented in the first two volumes.

1.4 Human Evolution and this book

Human species have been living in this planet for quite a while. There are many proposals about how they came into existence. The famous Darwin's theory addresses the issue of the physical origin of human being on planet earth. Even though, Darwin's theory has been accepted as a scientific theory by scientific community, there are alternative theories such as creationism exists. There are also a vast majority of people who doesn't like or accept both Darwin's theory and creationism, and take an

intermediate stance, they believe in evolution guided through divine influence. Nevertheless, the purpose of this book is to discuss what happened after humanity physically emerged as the most dominant species on planet earth that can think and speak.

After Homo sapiens emerged as a group, its evolution was in the realm of mental, social, political and economic activities, while its physical and genetic structure has remained quite stable, as indicated by archeological and genetic research. Humanity is being shaped through the interaction between these main components. We will see that solving problems in one component requires solving problems in the other components. In this book, we will analyze this evolution and come up with ideas to improve the survivability and the quality of life of humanity.



The theories and general ideas for understanding human mind and relationship phenomena I propose are based on extensive learning, observation and research. This includes:

- Continuous and extensive observation of behavior of people throughout the world for last twenty-five years.

- Numerous insights and facts from modern scientific developments in areas such as genetic genealogy, neuroscience, archaeology, anthropology, sociology, psychology, management sciences, human evolution and world climate history and geography.
- Extensive investigation in history, politics, economics, and current events in international issues.

To help solve human problems I discuss many things in this book. I use the theories of mind and relationships, to understand socio-political and economic performance of societies throughout history. Particularly, we explore the interconnection between social and economic processes discussed before. In general, I provide integrated comprehensive discussion of the psychological, social, political, economic, and historic phenomena in the world and the interactions between them. I discuss how these phenomena are intimately connected. I discuss the diversity of these factors around the world and their origin. We will see that these ideas give systematic framework for addressing and tackling many of the human problems.

Because of the wide variety of phenomena that this book intends to address, the discussions will be brief on each issue. Yet you will see how they all fit very well in simple and intuitive set of basic ideas.

1.5 RQ-TQ imbalanced evolution and Humanity

1.5.1 Introduction

Let me now discuss how to tackle what I call as the RQ-TQ imbalanced evolution, which I consider as the root cause of many major human problems throughout history and a threat to survival of humanity.

In spite of the positive factors that nations acquire when they get richer, technology and economy grow at a faster rate than the rate of growth in relationship factors. This imbalance in growth in technology without compensating growth in relationships has led to general and deeper problems. For example, family and social networks have weakened. They have problems in relating with each other in close relationships. This can be seen in high divorce rates. There is also increase

in violence, drug abuse problems, teenage pregnancy, etc. I will discuss this imbalance in detail in this section. Throughout this book set, I will discuss how this problem may be the root cause of many or most major problems in the world and provide necessary ideas to solve this problem.

From section 1.2 we see that healthy economics needs advancement in technology and relationships. In line with this, roughly, we can split IQ (intelligence quotient) into TQ (Technical Quotient) and RQ (Relational Quotient).

$$IQ = TQ + RQ$$

We can consider technical quotient TQ to be a hypothetical measurement of overall ability in technical aspects in any field without consideration to relational aspects; Good TQ makes people good in technological capabilities. Similarly let relationship quotient RQ is a hypothetical measurement of ability in managing relationships. For good RQ one needs understanding of human mind and skills in managing it. EQ (emotional intelligence quotient) that is popular now-a-days can be considered as a part of RQ. Usually, only TQ is tested in standardized tests in schools, colleges and other recruitment agencies².

When a nation develops in time, people become relationally better, and technologically better. However, the problem is that the technical ability in various fields (TQ) increases much faster than the ability to solve relationship problems (RQ). This is what I would like to refer to it as RQ-TQ imbalanced evolution. As we have seen in section 1.2 healthy economic activity depends on both social and technological (technical) activity: a specific effect of this imbalance is economic problems, because of lagging of RQ compared to TQ. Next, let me discuss the RQ-TQ imbalanced evolution in various contexts and explain why this imbalance is the greatest threat to the survival of humanity, then further, explain the possible root cause of this problem based on brain science, and how this book set provides the necessary foundation to defeat it.

1.5.2 RQ-TQ imbalance in Political-Economic History

There is an important lesson to be learned from our human political history. Let's start from renaissance in Europe. Europe was making

² RQ and TQ need to be standardized, and further research need to be done in this regard.

steady progress in technology. With advancing technology in Europe after the beginning of industrial revolution, political relationships did not show the same progress. The progress in military, communication and navigational technology brought about colonialism. There were frequent wars between European states with ever increasing sophistication in weapons. What we see is that advance in technology did not bring about progress in relationships. Same pattern is often repeated all over human history and in every part of the world.

As soon as industrial technological power strength builds up it is usually used for political power and warfare, bringing economic, social and psychological problems. We consider as these ill effects as due to low RQ and high TQ.

Ultimately, people do make progress in relationships. For example, Europe has become united as a union; most nations have their freedom from colonialism and have become good trading partners with their former colonizing powers. So usually, we see that progress have been made. But the pattern we need to see is that usually economic and technological power grows much faster than progress in national and international relationships.

We need to realize that the RQ-TQ imbalance in individuals influences politics. A nation is made of individuals, so the problem at individual level must relate to that of the national political level and vice versa. So, addressing the RQ-TQ imbalance at political level means that it needs to be fixed at the individual level also. This book set has sufficient ideas to tackle this.

I.5.3 RQ-TQ imbalanced evolution and poverty

The major factor for poverty in many developing nations is population growth pattern. The population of developing nations had almost risen three times during the twentieth century; the significant part of the rise is during the second half of the century. To maintain the standard of living one must build schools, hospitals, roads, and other infrastructures, at the same rate to compensate for rising population. But these nations were already poor and illiterate. This means such compensating infrastructure cannot and had not been built, the result is

the drastic reduction in the quality of life: overpopulation, lack of medical facilities, roads, electricity, poverty etc.

To understand the different pattern of population growth we need to understand what has been going on internally in the nations of the world. Major cause of drop in death rates during the 20th century all over the world is due to extraordinary advances in science and technology that gave new medicines. Some of these were the development of antibiotics, immunization, etc., which reduced both adult and infant death rates, all over the world. Important things to note is that these advances mostly happened in industrialized economies. This means industrialized economies were societies that were already advanced enough to invent these medicines. This implies such societies are modern similar to now, with both men and women well educated, with lots of working women. In such conditions we would expect low birth rate. Both industrialized and developing nations received knowledge of medicines that helped reduce death rate. Since the birth rates of economically developed nations were already low this did not cause much of a problem. But in case of developing nations, the birth rate was still high because of large rural population with highly traditional cultural values that is comfortable with having many children (4 or 5). The reduction in death rate but persisting high birth rate resulted in high population growth, with many significant impacts on the society.

The birth rate in developing nations has been dropping but not fast enough. Almost all developing nations have adopted using technologies invented in the advanced developed world. This includes electronics, automobiles, including the medicinal advances that were responsible for reduction in death rate. What we see is that these nations have absorbed technologies faster, but the social advances need to reduce birth rate has happened slowly. In other words, we have an imbalanced development: fast technological advance, but slow social changes, which is responsible for significant problem with poverty and low quality of life.

In today's world, the same TQ-RQ imbalance pattern is involved in poverty again. Even though, many of the developing nations are adopting modern methods such as free market capitalism, yet the attitudes of people are still as those of an agricultural society. For example, in India, the majority of businesses are sole proprietorship with

small number of employees or only with family members as workers. They lack skill and motivation to grow, compete, innovate or encourage these aspects in community. The relational values followed are that of family-owned farming, with ultimate purpose of sustaining a family. This lack of skill and motivation for growth, results in lack of job creation, poor wages for employees, low production, ultimately resulting in continued existence of poverty. Yet, they often own modern equipment's such as latest mobile phones, computers, internet, homes built with modern architecture, etc. We see that the TQ factor has evolved over time, but the RQ factor has not.

One of the major factors is how people are trained in education. Most countries in the world give more importance to technological education rather than that is related to RQ such as behavioral sciences, management, sociology, economics, team and entrepreneurship skills, etc. The consequence is that new graduates are not fully able to convert their technological skills into businesses, failing to create employment and manufacturing to the maximum extent possible. Result is prolonging of poverty, unemployment, inflation, etc.

I.5.4 Importance of tackling RQ-TQ imbalance evolution.

Nations military power has been growing continuously throughout history. Now mankind has enough power to destroy the entire species, yet major powers in the world don't have healthy relations among them. Humanity has the power to destroy the planet by abuse of technology or weapons. Technology will replace manual labor, and even many white-collar jobs through development in artificial intelligence, jobs that will be relevant are those that depend in RQ.

Even though the overall RQ factor is improving, the TQ factor is increasing much faster as we can obviously observe around the world. This is a great threat to human survival. Until now the Academia has always focused on TQ. Hereafter we need to focus on RQ, and it should be given primary importance. So, this book aims to use new models of mind and relationships based on latest development in brain science to understand relationship issues and come up with solutions to improve RQ.

I.5.5 RQ-TQ imbalance is worsened by current education methods

During the last sixteen years, I observed numerous problems that were hindering scientific research. I have met students and researchers from the top institutes throughout the world. I have personally interacted with them. I repeatedly noticed in spite of their intellectual talents, they often had relationship problems much like normal people and sometimes very worse. This clearly indicates the severity of RQ-TQ imbalance in education throughout the world. This can be easily understood as problem with education itself. Like how I pointed out before in context of poverty in section I.5.3, academic institutions give most importance to attributing skills necessary for learning, using and producing technology, ignoring education in relationships, emotional management, teamwork, etc. There is no surprise that this will promote RQ-TQ imbalance. If we want to change the way people are educated to solve the RQ-TQ imbalanced evolution, we need to understand the science behind these phenomena, which we will discuss next.

I.5.6 RQ-TQ imbalance as a limitation of human brain

In this book set we will discuss theories of how human mind/brain functions in relationships. But let me give a simple explanation of how human brain architecture leads to the RQ-TQ imbalance, based on ideas from brain science. The brain of living being has been organized inside out with humans having the most advanced outer layer referred to as the neocortex that helps in higher thinking process. The outer layers, particularly the well-developed prefrontal cortex, are responsible for our ability to think and learn. These are very flexible, so learn and adapt quickly. But the inner layers, which significantly govern our emotional behavior and relationship manners, are rigid. They rapidly learn from the environment when we are young, and hard to change as we grow older, but continuously influence everything we do. For example, in a multistore building, new stores can be only built on top, and the bottom layers are difficult to alter. This is the origin of the RQ-TQ imbalanced human evolution: TQ is determined by the outer layers of human brain which are flexible and so evolve faster. RQ is determined by the inner layers which are rigid and so evolve slower, taking generations for even small improvement.

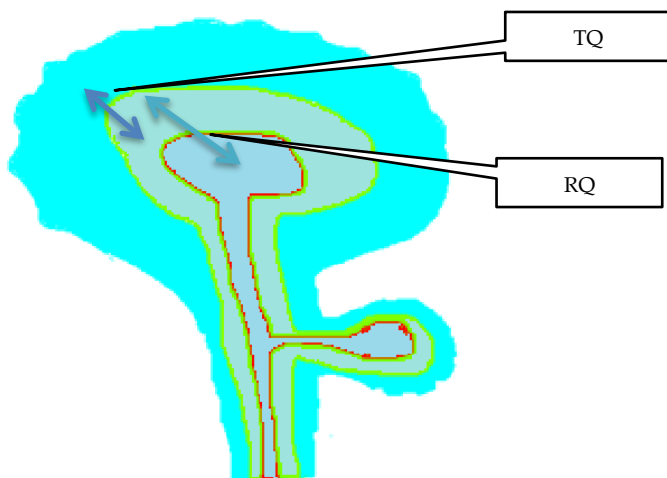


Figure I.2: **Human Brain and RQ –TQ imbalance evolution based on triune brain theory.** The inner layers important for RQ are rigid and outer layers important for TQ are flexible. So RQ tend to lag behind TQ, causing major problems in the world. Fixing this requires PQ: the knowledge of functioning of human mind and the skills to manage it.

Tackling RQ-TQ imbalance, involves understanding how the various layers of human brain functions, how the inner layers of brain get wired in childhood, and how they interact with outer layers influencing our ideas and behavior. In other words, tackling RQ-TQ imbalance requires understanding one’s mind. Having good knowledge of this helps offset the problem discussed in last paragraph. This book goes in detail in explaining the necessary ideas to understand functioning of human mind, including interaction between various layers of mind and will help in increasing RQ.

1.6 Who is this book written for?

I have written this book with international readership in mind, so that people groups around the world can benefit by it. Some ideas in this book may be obvious to people of some nations or groups in the world, but completely new to others.

Importantly, I have addressed this book to educators, scientists, community planners, political leaders, entrepreneurs, students,

organizational leaders, law enforcement officials, peace activists, social workers, and anybody who are looking for answers to solve human problems and improve human condition.

1.7 How to read this book

The subject of this book is the reader himself and his relationship to others. This means the reader's attitudes and preconceptions will affect how this book is understood. So, the reader first needs to understand himself, using the ideas in the first volume, before trying to understand the world around him. To get the best benefit from this book it is very important the reader reflect upon himself, his instincts, emotions, attitudes and ideas about other people. Isolate these, make them the subject of analysis, using the ideas in the first volume of the book and evolve a super consciousness regarding one's relationship to others. I have arranged the topics of this book so that all the ideas flow from one to another in a systematic manner in a logical and intuitive fashion. So, it is preferable to read this book like a novel along the order in which it is organized.

1.8 How you benefit from this book?

Having a good relationship means different things to different people. You may be a good person, with a good family and success in career. Still, you often have relationship problems in an objective sense, in a broader context, or in deeper issues. This is limiting you. This book helps to understand oneself and other people, and relationship phenomena. I explain how a person's mental and relationship aspects are deeply connected to the social environment: social, political and economic aspects of the groups such as local community and nation they are part of. I discuss wide variety of topics to help improve people's material, social and psychological wellbeing, so that it is conducive to peace and prosperity of oneself and one's community.

1.9 How I wrote this book

I grew in India in a middle-class family. Because of my deep interest in physics, even before finishing my high school I have learned so much that I could have passed a physics PhD qualifying exam. Due to the social pressure in India, my undergraduate education was in Electronics and

Communication Engineering. However, I did Master and doctoral degrees in physics in the USA. During these periods, I continuously observed that relationship and psychological issues deeply influence development of science and technology and their application to solve human problems.

Because of my diverse background -- my living in two nations (USA and India) with different culture, economy, academic culture, and due to my sensitive mental makeup, and also because of my interest in diverse fields, I was able to make very important critical observations. Moving from one social environment to a quite different environment (US vs. India) in a different socio-economic setting gave me deep insights into people, relationship phenomena and socio-economic issues. Eventually, the synthesis and analysis of the collections of events, observations about people and educational issues, experiences in physics research, and ideas from neuroscience, history, and other fields listed in section (I.4), brought me sufficient information and understanding to convince myself to write this book.

Due to my technical and scientific incline and background, I treat the relevant topics using models and methods used in scientific research as much as possible.

Initially, I started this book as a study relating relationship issues to creativity, innovation and economic success both at individual and global level. But I kept exploring and researching for deeper understanding. I have to rewrite this book three times during a course of eight years. Ultimately this book evolved into theories of human mind, relationships, human socio-economic evolution, and scientific relationism.

1.10 Relation to other scholars' work

During writing this book I extensively reviewed related works done by other researchers and authors. I find the work in the book clearly consistent with most others who have tried to understand the economic and socio-cultural differences in the world. I have included and referenced the works of the many other experts wherever I could in this book. A website has been setup for discussing the ideas in this book set. It can be accessed at www.scientificrelationism.com.