

# CONTENTS



## PREFACE

### PART I - AN OVERVIEW OF THE TRILOGY

#### CHAPTER 1

##### RESTORING YOUR RIGHTS IN AMERICAN DEMOCRACY

<i>Empowerment in American Democracy</i> .....	1
The Erosion of Your Rights as an American .....	1
Democracy is Being Undermined Internally.....	1
American Democracy as <i>The Great Experiment</i> .....	2
<i>A Role for Education Fostering Viability of</i>	
<i>American Democracy</i> .....	5
The Education of Business Leadership .....	6
Corporate Responsibility	
Environments Change	
The Costs of Ignorance and Greed	
Free Markets	
Fostering a Culture Change in Business	
The Education of Government Leadership.....	10
Structural Failure of the System	
Shortfall in the Process	
Voter Education Essential for Discipline.....	
The Education of Other Leadership .....	13
<i>Some Concepts in the Content of the Education</i> .....	14
Empowerment of the Individual .....	15
Empowerment through Liberal Education .....	17

#### CHAPTER 2

##### PLATO'S CAVE AS A PROLEGOMENON

<i>Some Salient Aspects</i> .....	20
The Invisible Hand .....	20
American Revolution.....	21
Enlightenment Roots.....	22

<i>Science and Religion Rivalry</i> .....	22
<i>A Link between Science and Religion</i> .....	23
Kaplan’s Concept of Salvation.....	24
Personal Growth.....	25
Evolution and Environment.....	26
Responding to the Challenge .....	27
<i>Evolving Democracy</i> .....	27

## PART II:

### A SENSE OF PLACE IN PERSPECTIVE: SCIENCE AND RELIGION

#### CHAPTER 3

##### EMERGENCE LINKS SCIENCE TO RELIGION

<i>A Background for the New Links</i> .....	29
<i>Invisible Hands</i> .....	30
Smith’s Presentation of the <i>Invisible Hand</i> .....	30
Grasps of Concepts .....	32
<i>The Other Invisible Hand</i> .....	33
<i>Science and Religion</i> .....	35
Western Civilization Precursors .....	35
Judaic Precursors.....	36
Mordecai Kaplan at the Brink .....	37
The Challenge Facing the Jewish Community .....	37
Kaplan’s Concept of Salvation in the New Environment.....	38
<i>Starting Points for New Links</i> .....	39
<i>Emergence</i> .....	40

#### CHAPTER 4

##### DENOMINATIONS IN SCIENCE AND RELIGIONS

<i>An Overview</i> .....	42
<i>Disciplines as Denominations in Science</i> .....	43
Hierarchy of Disciplines .....	43
Analytical Methods .....	44
Perspectives and Potential Outcomes.....	45
<i>Denominations in Religions as Part of a System</i> .....	47
The Silo Syndrome .....	47
Diversity is an Asset .....	48

<i>Power Struggles Religion and Territorial Control</i> .....	49
<i>Varying Views of Justice</i> .....	50
Historical Perspective .....	50
Nascent Disciplines Perspective .....	51
The Blend Resulting in Justice .....	53

## CHAPTER 5

### THE SCIENCES AND RELIGION MATTER

<i>A Historical Perspective of the American Revolution</i> .....	56
<i>Some Current Conditions in America's Evolution</i> .....	57
Societal Structure .....	57
Ethics in the System.....	59
<i>Structures Influence Outcomes</i> .....	60
<i>It Starts with Individuals</i> .....	62
The Individual's Initial Stage in the Sense of the Assets.....	62
One's Own Stage of Personal Development .....	63
Participation in the Processes of Democracy.....	64
<i>An Institutional Innovation</i> .....	66
Contributions of Science .....	66
Contributions of Spirituality or Faith Along with Reason.....	67
Better Education and Broader Coalitions .....	68
An Excerpt from the Preface of American Democracy.....	69
<i>Transitional Comment</i> .....	71

## PART III: A SENSE OF PROGRESS

### CHAPTER 6

#### THIRD WAVE EDUCATION INNOVATION: FOSTERING DEMOCRACY AS A PILOT CASE

<i>Posing the Problem</i> .....	74
An Outdated Educational Process.....	74
A Call for Innovation .....	74
An Arena for Innovation.....	75
A Recently Recognized Problem .....	75
The Quest For Innovation .....	76
The Learning Process .....	77
The Morality Issues .....	77

The Sense Of Progress.....	77
<i>Some Background on Recent Science Advancements.....</i>	<i>79</i>
Evolution in the Information Revolution .....	79
Evolution in Cognitive Science.....	79
The Increasing Role of Nascent Disciplines .....	80
<i>Presentation of Knowledge Preparatory for Apps</i>	
<i>and Hyperlinks .....</i>	<i>81</i>
The Pilot Case Content.....	81
Learning Center Vehicles.....	83
<i>Innovating Higher Education with Apps.....</i>	<i>87</i>
Two Types of Apps .....	88
Learning Through Games .....	88
Some More Innovative Ideas Using the Digital Technology ...	89
The First Format.....	89
The Second Format .....	90
Mind Extension Or Whatever .....	91
Making Notes.....	91
The Variation in Note Taking with Substantial Criteria...	91
The Concern is with Effective Action.....	92
Improving Access to Knowledge of Higher Quality .....	93
<i>Concluding Comment .....</i>	<i>94</i>

This version of Chapter 6 - Third Wave Education Innovation is preliminary in that it is designed to serve one or more of the following purposes:

- (1) the closing chapter of the trilogy second book;
- (2) the basis for promotional article for the trilogy; and
- (3) as part of an offer to Davidson College of a gift in-kind of an open source license to the trilogy along with the ideas and progress made in an innovative approach to foster their interdisciplinary digital innovation in higher education.

## APPENDICES

<b>Appendix 1A – Empowerment through More Effective Learning</b> .....	102
<b>Appendix 2A – Evolution in Higher Education</b> .....	117
<b>Appendix 3A – Complexity and Nascent Disciplines</b> .....	133
<b>Appendix 4A – Innovation in Societal Evolution: Some Thoughts on Evolving Culture</b> .....	143
<b>Appendix 4B – Seminar Notes on Education</b> .....	159
<b>Appendix 5A – Sense of Place and Empowerment</b> .....	164
<b>Appendix 5B – Empowerment of a Society</b> .....	176
<b>Appendix 6A – Adapt to Change a Reality: Restore American Democracy’s Resilience</b> .....	188
<b>Appendix 6B – The Integrity of American Democracy Undermined</b> .....	207

## APPENDIX OUTLINES

### APPENDIX 1A

#### EMPOWERMENT THROUGH MORE EFFECTIVE LEARNING

#### INTRODUCTION

The Relevance of This Essay

Disenchantment by Many Americans

Eligible Voters Who Want to Protect Their Rights

The Way the Brain Works

The Learning Process in Perspective

Learning is a Subset of Thinking

Thinking is Beyond the Brain

Effective Ways of Learning

An Evolutionary Perspective

This Essay is Part of a Larger Project

#### BRAIN OPERATION AS A PREDICTIVE PROCESS

The Proactive Nature of Brains Provides Expectations

Statistical Hierarchical Predictive Learning

Contextual Effects in Early Processing

Human Brains Are Proactive Systems

The Process Needs to Deal with Reality  
Brains Are Complex Adaptive Systems That Self-Organize  
Self-Organization: A Key Cognitive Process  
The Extended and Embodied Mind  
Webs of Communicating Individuals  
Humans Help Construct Their Worlds

## **FOSTERING EMPOWERMENT THROUGH EFFECTIVE LEARNING**

The Thinking Process as a Feedback System  
An Action Orientation  
Individual Bias and Unconscious Mechanisms  
Biological Endowment and Life Experience Empower Us  
Prediction Process Supports Action and Outcomes  
Learning Process Builds Knowledge and Action Potential  
Cognitive Extension of the Mind Empowers Effective Action  
Critical Thinking Skills  
Effective Learning Techniques  
Gaining Increased Empowerment  
Main Points and Next Steps

## **APPENDIX 2 A**

### **EVOLUTION IN HIGHER EDUCATION**

Introduction  
An Interdisciplinary Approach  
The Evolution of Higher Education Since WWII  
Some Ideas for Exploration  
Process for Progress  
The Underutilized Resource  
Network Structure  
It is an Interdisciplinary Team Building Mission  
It is a Leveraged Approach to Empowering the Electorate  
Conclusion

APPENDIX 3A  
COMPLEXITY AND NASCENT DISCIPLINES

INTRODUCTION

Some Project Background  
Overview of the Nature of Complex Systems

THE SELECTION OF ANALYTICS

Level of the Problem  
    Curing What Has Already Happened  
    Preventing Specific Problems from Occurring  
    Structuring the System for Self-correction  
The Principle Characteristic of the Problem  
    Simple as a Principal Characteristic  
    Complicated as a Principal Characteristic  
    Chaos as a Principal Characteristic  
    Complexity as a Principal Characteristic  
    Some Modeling Implications of Complexity  
The Scale of the Structure of Networks in which the  
    Problem Exists  
A Strategic Approach to Analytics Selection

APPENDIX 4A

INNOVATION IN SOCIETAL EVOLUTION:  
SOME THOUGHTS ON EVOLVING CULTURE

The Body and Mind of Society  
    The Structure as a Critical Element in the Process  
    Some Historical Changes in Societal Structure  
    Changes in the Body of Society  
Some Elements in the Evolutionary Process  
    A Couple of Arenas of Knowledge  
    The Nature of Goods and Services Provided in the Economy  
    The Culture Change that Hosts an Evolving Human Nature  
Some Historical Innovational Opportunities Relying on the  
    Mind of Society  
    The Arlington Case  
    Markets as an Emergent Phenomenon from Interactions

Two Environmental Cases  
A Civil Rights Case  
A More Recent Environmental Case  
Future Innovational Opportunities Relying on the Mind of Society

APPENDIX 4B  
**EXCERPTED AND AMENDED NOTES ON EDUCATION:  
FROM SEMINAR PRESENTATION**

The Hook  
Getting an Education  
A Shortfall in Reasoning  
An Important Case

APPENDIX 5A  
ESSAY 1:  
**SENSE OF PLACE AND EMPOWERMENT**

Introduction  
It Starts with Individuals  
It Takes Brains and Commitment  
The Coevolution Process  
Concept of Sense of Place  
Nature of the Sense of Place  
Networks and Social Structure  
Search for Place  
Empowerment and the Sense of Place  
The Nature of Power  
Exercise of Personal Power

APPENDIX 5B  
ESSAY 2:  
**EMPOWERMENT OF A SOCIETY**

Introduction  
Sense of Place as a Place to Start  
The Shared Sense of Place  
The Empowerment is Critical to Evolution  
Evolution of Ideas and Knowledge  
Power Bases of Information and Ideas



Evolution of Knowledge  
Social Capital in Societal Evolution  
Empowerment Alters Evolution  
The Nature of Empowerment  
Evolution of Knowledge  
Social Capital in Societal Evolution  
Proposed Intervention in Democracy's Evolution:  
Team of Teams and an Institution

**APPENDIX 6A**  
**ADAPTING TO CHANGE A REALITY:**  
**RESTORE AMERICAN DEMOCRACY'S RESILIENCE**

Introduction  
Evolving by the Individual  
An Analogy of Mind and Brain  
Components and Operations of Mental Activity  
in Awareness and Change  
Intervention  
Evolving of the Culture  
A Perspective of Culture  
Evolution of Patterns in the Culture  
Co-Evolving of Consciousness and Culture  
Human Kinds Link Culture and Consciousness  
Evolving and Modifying Human Kinds  
Diversity of Capability Among Individuals  
Interactions within a Democratic Structure  
The Complexity of Issues within a Democratic Structure  
Agency within the Democratic System  
Strategy for Dealing with Limitations of Capability and  
Diversity of Interests  
Understanding Capability  
Accommodating Diversity of Interests

**APPENDIX 6B**  
**THE INTEGRITY OF AMERICAN DEMOCRACY UNDERMINED**  
A Perspective of the Dysfunctionality of Our Government  
A Paradigm for the Evolution of American Democracy

The Legislative Powers Vested in Congress

The House of Representatives

The United States Senate

Democracy's Most Dangerous Branch: The Judiciary

Remnants of Norms in the White House

Restoration of Functionality in Our Government

Three Levels of Meeting Problems

Curative Approach

Preventive Approach

Perfective Approach

Fostering Process Starts With the Individual

Understanding the System

Designing a Process for Progress