

Objectivism: a Rigorous Approach (Draft)

Bernardo Paulsen

March 4, 2021

Contents

Dedication	vii
Preface	ix
Introduction	xi
 I Metaphysics	 1
1 Reality	3
1.1 Existence, Identity and Consciousness as the Basic Axioms	3
1.2 Causality as a Corollary of Identity	4
1.3 Existence as Possessing Primacy over Consciousness	5
1.4 The Metaphysically Given as Absolute	6
 2 Sense Perception and Volition	 7
2.1 The Senses as Necessarily Valid	7
2.2 Sensory Qualities as Real	8
2.3 Consciousness as Possessing Identity	8
2.4 The Perceptual Level as the Given	8
2.5 The Primary Choice as the Choice to Focus or Not	9
2.6 Human Actions, Mental and Physical, as Both Caused and Free .	10
2.7 Volition as Axiomatic	10
 II Epistemology	 11
3 Concept-Fromation	13
3.1 Differentiation and Integration as the Means to a Unit-Perspective	13
3.2 Concept-Formation as a Mathematical Process	15
3.3 Definition as the Final Step in Concept-Formation	16
 4 Objectivity	 19
4.1 Concepts as Objective	19

4.2	Objectivity as Volitional Adherence to Reality by a Method of Logic	19
4.3	Knowledge as Contextual	20
4.4	Knowledge as Hierarchical	20
5	Reason	23
5.1	Emotions as a Product of Ideas	23
5.2	Reason as Man's Only Means of Knowledge	23
5.3	The Arbitrary as Neither True or False	23
5.4	Certainty as Contextual	23
III	Ethics	25
6	Man	27
6.1	Man as Conditional and Goal-Directed	27
6.2	Reason as Man's Basic Means of Survival	27
6.3	Reason as an Attribute of the Individual	28
7	The Good	29
7.1	"Life" as the Essential Root of "Value"	29
7.2	Man's Life as the Standard of Moral Value	30
7.3	Rationality as the Primary Virtue	31
7.4	The Individual as the Propor Beneficiary of his Own Moral Action	32
7.5	Values as Objective	32
8	Virtue	33
8.1	Independence as a Primary Orientation to Reality, not to Other Men	33
8.2	Integrity as Loyalty to Rational Principles	33
8.3	Honesty as the Rejection of Unreality	33
8.4	Justice as Rationality in the Evaluation of Men	33
8.5	Productiveness as the Adjustment of Nature to Man	33
8.6	Pride as Moral Ambitiousness	33
8.7	The Initiation of Physical Force as Evil	33
9	Happiness	35
9.1	Virtue as Practical	35
9.2	Happiness as the Normal Condition of Man	35
9.3	Sex as Metaphysical	35
IV	Politics	37
10	Government	39
10.1	Individual Rights as Absolutes	39
10.2	Government as an Agency to Protect Rights	39

10.3 Statism as the Politics of Unreason	39
11 Capitalism	41
11.1 Capitalism as the Only Moral System	41
11.2 Capitalism as the System of Objectivity	41
11.3 Opposition to Capitalism as Dependent on Bad Epistemology . .	41
V Aesthetics	43
12 Art	45
12.1 Art as a Concretization of Metaphysics	45
12.2 Romantic Literature as Illustrating the Role of Philosophy in Art	45
12.3 Esthetic Value as Objective	45

Dedication

To my loved ones.

And to every human who strives for the Good.

Preface

This book is based on “Objectivism: the Philosophy of Ayn Rand” by Leonard Peikoff. Leonard’s book develops the philosophy of objectivism in an impressively structured way. Nevertheless, I believe it would be interesting to see it written in a more straightforward and rigorous manner. That is what I try to accomplish in this book.

Now, a disclaimer: I’m new (extremely new) to philosophy, and I have never studied philosophy formally, only by reading books by my own. I have written this book because objectivism - especially as a full philosophic system - helped me understand the interconnections and interdependence between ideas as no other philosophy ever did. I do not expect the ideas on this book to be perfectly developed. Also I do not expect to forever hold the opinions that derive from them. However, I do expect to continue to believe in what I consider the main ideas presented in this book - reason and liberty.

Introduction

The main goal of this introduction is to clarify some concepts that will be used throughout the book. We begin by defining “self-evidence” (Definition 0.0.2) and “true” (Definition 0.0.1).

Definition 0.0.1 (True). *In accordance with reality.*

Definition 0.0.2 (Self-Evidence). *A proposition that is known to be true by sense perception, without the need of proof.*

Example. *You exist.*

Now, we can define “axiom”, “corollary”, “theorem” and “proof” (Definitions 0.0.3, 0.0.4, 0.0.5 and 0.0.6).

Definition 0.0.3 (Axiom). *A self evidence.*

Definition 0.0.4 (Corollary). *A self evidence that follows from another self-evidence.*

Definition 0.0.5 (Theorem). *A proposition that is not self evident but it proved by a chain of reasoning; a truth established by means of accepted truths.*

Definition 0.0.6 (Proof). *Argument establishing the truth of a statement.*

This book is about philosophy. Below are the definitions of the five branches of philosophy that will be discussed in this book: metaphysics, epistemology, ethics, politics and aesthetics (Definitions 0.0.7, 0.0.8, 0.0.9, 0.0.10, 0.0.11).

Definition 0.0.7 (Metaphysics). *The branch of philosophy that deals with the first principles of things.*

Definition 0.0.8 (Epistemology). *The theory of knowledge, especially with regard to its methods, validity, and scope.*

Definition 0.0.9 (Ethics). *The branch of knowledge that deals with moral principles.*

Definition 0.0.10 (Politics). *The academic study of government and the state.*

Definition 0.0.11 (Aesthetics). *The branch of philosophy that deals with the principles of beauty and artistic taste.*

New concepts will be defined throughout.

Part I

Metaphysics

Chapter 1

Reality

1.1 Existence, Identity and Consciousness as the Basic Axioms

The first thing we perceive when we are awake is very simple: something exists, there is something. It does not matter what you focus on, nor if your eyes are open or closed; if you perceive something, you perceive that something exists. We start from exactly this self-evidence. Thus the first (and only) axiom of philosophy is Axiom 1.1.1.

Axiom 1.1.1 (Existence). *Existence exists.*

As something self-evident, existence requires no proof. Also, the concept “existence” cannot be defined by means of other concepts. As the widest of all concepts, referring to everything which there is, it can be defined only ostensively (by pointing at existents, for example).

To be is to be something (specific). To exist is to possess an identity (as in Definition 1.1.1). This leads us to Corollary 1.1.2.

Definition 1.1.1 (Identity). 1. *The fact of being who or what a person or thing is.*

2. *Sum of a person or thing’s attributes or characteristics.*

Axiom 1.1.2 (Law of Identity). *To exist is to possess identity, to be is to be something. Each thing is identical with itself.*

Remark. *Identity is a corollary of Existence.*

The fact that we perceive the existence of something, whatever it may be, makes us possess consciousness, following Definition 1.1.2. This leads us to Corollary 2.3.1.

Definition 1.1.2 (Consciousness). *The faculty of being aware of that which exists.*

Corollary 1.1.1 (Consciousness). *Consciousness exists.*

Remark. *Consciousness is a corollary of Law of Identity.*

Consciousness is impossible without existence: there would be nothing to be conscious of. There is never consciousness of something which does not exist. If something nonexistent is perceived than what the perceiver possess is not consciousness. Just as the first and only axiom (Axiom 1.1.1) the first two corollaries are also known to be true merely by sense perception, without the possibility for or need of any proof. As a matter of fact, every proof that exists takes the three axioms above as given.

Two corollaries are implicit in the Law of Identity: the Law of Non-Contradiction (Corollary 1.1.2) and the Law of the Excluded Middle (Corollary 1.1.3). The Law of Identity together with its two corollaries define what we know as logic (Definition 1.1.3).

Corollary 1.1.2 (Law of Non-contradiction). *Something never is and is not at the same time.*

Remark. *Law of Non-Contradiction is a corollary of Law of Identity.*

Corollary 1.1.3 (Law of Excluded Middle). *Something either is or is not, there is no third alternative.*

Remark. *Law of Excluded-Middle is a corollary of Law of Non-Contradiction.*

Definition 1.1.3 (Logic). *Set of three laws:*

- *Law of Identity,*
- *Law of Non-Contradiction,*
- *Law of the Excluded Middle.*

Logic is an indispensable characteristic of existence. Absolutely everything that exists is bound to the laws of logic.

1.2 Causality as a Corollary of Identity

The content of the world men perceive is constituted by entities, which are everything there is to observe. The concept of “entity”, just like the concept of “existence”, cannot be defined with other concepts, just ostensively. Categories of being (such as qualities or quantities) do not have metaphysical primacy, as all represent merely aspects of entities.

Actions, as in Definition 1.2.1, also do not exist apart from entities. There are no floating actions: there are only actions performed by entities. After we also define nature (Definition 1.2.2) we arrive to the Law of Causality (Corollary 1.2.1).

Definition 1.2.1 (Action). *What entities do.*

1.3. EXISTENCE AS POSSESSING PRIMACY OVER CONSCIOUSNESS 5

Definition 1.2.2 (Nature). *The attributes of an entity, what an entity is.*

Corollary 1.2.1 (Law of Causality). *An entity acts in accordance with its nature.*

Remark. *Law of causality is a corollary of identity. If an action is what an entity does, and its nature is its attributes, then the action, being an attribute of the entity, is in accordance with its nature. For the law of causality to not hold, an entity would need to act apart from its nature or act against it, both of which are impossible given the Law of Identity (Corollary 1.1.2). Apart from its nature, its attributes, a thing is nothing.*

The action of an entity is both caused (Definition 1.2.3) and necessitated (Definition 1.2.4) by its nature. (Theorem 1.2.1).

Definition 1.2.3 (Cause). 1. *A person or thing that gives rise to an action, phenomenon, or condition.*

2. *reasonable grounds for doing, thinking, or feeling something.*

Definition 1.2.4 (Necessity). *Principle according to which something must be so.*

Theorem 1.2.1. *The action of an entity is both caused and necessitated by its nature.*

Proof. The nature of the entity (what it is) is what causes the entity's actions. The actions must be so, as an entity acts in accordance with its nature. \square

Cause and effect are an universal law of reality. It is a law inherent in being qua being: to be is to be something (Corollary 1.1.2), and to be something is to act accordingly (Corollary 1.2.1). Every action has a cause, and the same cause leads to the same effect. Nevertheless, not every entity has a cause. The universe, being everything that exists, cannot have a cause, as this would require it to be caused by nonexistence, where there is nothing to act as a cause.

1.3 Existence as Possessing Primacy over Consciousness

Existence precedes consciousness. Consciousness, following Definition 1.1.2, is the faculty of being aware. An entity's nature is not affected by the nature of any other entity, even if the latter's nature includes the faculty of being aware of the first's existence. This fact is summarized in Corollary 1.3.1.

Corollary 1.3.1 (Primacy of Existence). *Things are what they are independent of consciousness.*

Proofs depend on the primacy of existence, as they presuppose the principle that facts are not malleable. Since knowledge is knowledge of reality, every metaphysical principle has epistemological implications. As the nature of the world is not maleable, nothing is relevant to cognition except data drawn from the world. This leads us to the only valid method of cognition: reason.

1.4 The Metaphysically Given as Absolute

The discussion above culminates in the principle that no alternative to a fact of reality is possible. The metaphysically given is absolute (Corollary 1.4.1).

Definition 1.4.1 (Metaphysically Given). *Any fact inherent in existence apart from human action.*

Definition 1.4.2 (Absolute). *Necessitated by the nature of existence.*

Definition 1.4.3 (Necessity). *Principle according to which something must be so.*

Corollary 1.4.1. *The metaphysically given is absolute.*

The antonym of “necessary” is “chosen”, which is the case of man-made facts. Creativity (Definition 1.4.4) alters reality, but not the metaphysically given. In order for man to succeed, he needs to accept the absolute.

Definition 1.4.4 (Creativity). *The use of the imagination.*

Definition 1.4.5 (Imagination). *The faculty or action of forming new ideas, or images or concepts of external objects not present to the senses.*

The distinction between the given and the man-made is crucial. The given is reality, and must be accepted without evaluation. Man-made facts, on the contrary, are products of choice, and must be evaluated.

Chapter 2

Sense Perception and Volition

Metaphysics is, basically, the identification of the fact of existence and its corollaries. Epistemology, on the other hand, is the science that studies the nature and means of human knowledge. If the mind wishes to know existence, it must conform to existence. A conceptual knowledge can depart from reality, so it needs a method of cognition. Epistemology is based, therefore, on the premise that man can acquire knowledge only if he performs certain definite processes.

Every process of knowledge involves the object of cognition and the means of cognition. The object is always some aspect of reality (there is nothing else to know). The means pertains to the kind of consciousness and determines the form of cognition.

2.1 The Senses as Necessarily Valid

We begin with a self-evidence: Corollary 2.1.1.

Corollary 2.1.1 (Validity of the Senses). *The senses are valid.*

Remark. *Validity of the Senses is a corollary of Consciousness. If man is conscious, then it is conscious of that which is; it wouldn't be conscious otherwise.*

Proof consists in reducing an idea back to the data provided by the senses. The data itself is, therefore, self-evident, and is outside the province of proof. Science is nothing more than the conceptual unraveling of sensory data, it has no other primary evidence from which to proceed.

Our sensations are caused in part by the entities we perceive, and in part by our sense organs. Nevertheless, any difference in sensory form among perceivers is precisely that: a difference in form of perceiving the same entities, the same reality. "Looks" means "appears to our visual sense". Whatever facts the senses register are facts.

2.2 Sensory Qualities as Real

The entities we perceive have a nature independent of ourselves, and our sense organs also have their own nature. Nevertheless, it is possible to distinguish between form and object. The qualities of objects are not merely “in the object”, nor are they merely “in the mind”. The qualities we perceive are, actually, in man’s form of grasping the object. Is is not object alone or perceiver alone, it is object-as-perceived. The form of objects is, being self-evident, a metaphisically given fact: they are real. This is Corollary 2.2.1.

Corollary 2.2.1 (Reality of Sensory Qualities). *Sensory qualities are real.*

Remark. *Reality of Sensory Qualities is a corollary of Validity of the Senses. If our senses are valid, the form of perceiving entities our senses provide us with is also valid.*

Demanding man to perceive entities without qualities is to demand the entities to be perceived in no sensory form. It is to reject our senses because they have identity, because they exist. We can know the content of reality “pure”, apart from man’s perceptual form; but we can do so only by abstracting away man’s perceptual form - only by starting from sensory data, then performing a complex scientific process.

2.3 Consciousness as Possessing Identity

Every existence is bound by the Laws of Identity and Causality (Corollaries 1.1.2 and 1.2.1). This applies not only to objects, but to everything which there is, including consciousness, what leads us to Corollary 2.3.1.

Corollary 2.3.1. *Consciousness possesses identity.*

Remark. *Consciousness exists (Corollary 2.3.1), and every existent possesses identity (Corollary 1.1.2), therefore consciousness possesses identity.*

Consciousness perceives what exists directly, by means of the effects on its organs of perceptions. There is no “more direct” perception of reality, as this would require reality to be perceived by no means, which then would mean for it to not be perceived. The fact that human cognitive faculties have a nature is what makes them possible. Identity is the precondition of consciousness.

2.4 The Perceptual Level as the Given

Some animals have only sensations (as in Definition 2.4.1). We, human adults, on the other hand, encounter entities when we look at the world. This happens because we have experienced many kinds of sensations from similar objects in the past, and our brains have retained and integrated them; it has put them together to form an indivisible whole. This gives us the ability to see, for example, not just a brown spot, but a table.

Definition 2.4.1 (Sensation). *An irreductable state of awareness produced by the action of a stimulus on a sense organ.*

This ability exemplifies the second stage of consciousness: the perceptual level. A perception is as in Definition 2.4.2.

Definition 2.4.2 (Perception). *A group of sensations automatically retained and integrated by the brain of a living organism, which gives it the ability to be aware, not of single stimuli, but of entities.*

Direct experience means the perceptual level of consciousness. What we are given as adults when we use our senses (giving aside all conceptual knowledge) is the awareness of entities, not merely sensations. Epistemologically, therefore, the perceptual stage comes first. Perceptions constitute the base of cognition, they are the self-evident. This leads us to Corollary 2.4.1.

Corollary 2.4.1 (Percepts as Given). *The perceptual level is given.*

Remark. *Percepts as Given is a corollary of Validity of the Senses. What our senses give us are perceptions.*

There is no guidance philosophy can give us about perception, it is an automatic process over which we have no power. In regard to another more complex kind of integration, which we do not perform automatically, philosophy does have advice to offer. It is the integration of precepts into concepts. This brings us to the threshold of the conceptual level of consciousness and to the second issue in the anteroom of epistemology: volition.

2.5 The Primary Choice as the Choice to Focus or Not

Man is a volitional being (Definition 2.5.1), who functions freely. A course of thought or action is free if it is selected between alternatives, if it could be otherwise if the human had not decided as it had.

Definition 2.5.1 (Volition). *The faculty or power of using one's will.*

For a being with volition, the primary choice is to focus or not (Theorem 2.5.1).

Definition 2.5.2 (Primary). *Irreducible.*

Definition 2.5.3 (Focus). *The state of a goal-directed mind committed to attaining full awareness of reality.*

Theorem 2.5.1. *The primary choice is the choice to focus or not.*

Proof. To focus is to direct the mind to a goal, is to commit oneself to attain awareness of reality, is the readiness to think, and therefore the precondition of thinking. All choices one makes by thinking can be reducible to the first choice, that of start to think about what choice to make. Therefore the irreducible choice, the primary choice, is to focus or not, as it can't be reduced to any other choice. \square

To focus is work and is experienced as such. Work, in the sense of basic mental effort (Definition 2.5.4).

Definition 2.5.4 (Effort). *Expenditure of energy to achieve a purpose.*

A primary choice can't be explained by anything more fundamental. By its nature, it is a first cause within a consciousness.

2.6 Human Actions, Mental and Physical, as Both Caused and Free

Thought is a volition activity, its steps are chosen (as against necessitated). Aside from the primary choice to focus, the other choices are reducible. In their case, it is legitimate to ask: why did the individual choose as he did? what was the cause of his choice?

In regard to human actions, however, to be caused does not mean to be necessitated (as it means for matter). Man chooses the causes that shape his actions. To say that a higher-level choice was caused is to say there was a reason behind it.

The Law of Causality (Axiom 1.2.1) still holds in the case of an irreducible choice. The action of choice is performed and necessitated by the nature of human consciousness.

2.7 Volition as Axiomatic

If man could not choose among alternatives, the field of epistemology would be useless, as there is no guidance philosophy can give to a deterministic process. The existence of 'validation' or 'proof' requires a volitional consciousness to choose among alternative ideas. To ask for the proof of volition is to ask to use volition to prove it (we saw an analogous situation when it is asked to prove the senses). Nevertheless, volition is self-evident, as it is something we perceive directly in ourselves, available to any act of introspection. It is a corollary of consciousness.

Corollary 2.7.1 (Volition). *Human consciousness possesses volition.*

The fact that we regularly make choices is directly accessible to us, as it is to any volitional consciousness. Volition is an axiom, a primary, a starting point of conceptual cognition and of the subject of epistemology. The faculty of reason is the faculty of volition.

Part II

Epistemology

Chapter 3

Concept-Formation

Sensory material is the first step of knowledge. Nevertheless, human knowledge is a conceptual phenomena. Therefore, man has to conceptualize the information provided by the senses.

Conceptualization is what enables us to go beyond the knowledge of only concretes and generalize, identify natural laws, understand what we observe. Man won't see all trees, but can however obtain knowledge about all trees.

A conceptual faculty determines a species' method of cognition, action and survival. To understand human knowledge one must understand concepts: what they are, how they are formed and how they are used in the quest for knowledge.

3.1 Differentiation and Integration as the Means to a Unit-Perspective

First, let's overview the nature of a conceptual consciousness. After man has identified particular entities, he can grasp relationships among these entities by grasping the similarities (Definition 3.1.1) and differences (Definition 3.1.2) of their identities. These similarities are, in fact, observed in reality (Theorem 3.1.2).

Definition 3.1.1 (Similarity). *Partial identity.*

Definition 3.1.2 (Difference). *Partial non identity.*

Theorem 3.1.1. *Similarities and differences are perceptually given.*

Proof. Just like the identity of an existence is observed in reality, is perceptually given, so are partial identities and partial non identities between existents. \square

When we look at something, we do not see a thing, we see a thing of a specific kind, in relationship to every other thing of the same kind (for example, you don't see this thing, you see this book, this object, this document). We grasp an entity as a member of a group of similar members. The implicit concept present in

this view of the world is "unit", as in Definition 3.1.3. The ability to regard entities as units is man's distinctive method of cognition.

Definition 3.1.3 (Unit). *An existent regarded as a separate member of a group of two or more similar members.*

By treating entities as members of groups of similar entities, man can apply to all entities of a group the knowledge he gains by studying only some of its members. It is essential to grasp that in the world apart from men there are no units, there are only existents. To view things as units is to adopt a human perspective on things.

The concept "unit" is an act of consciousness, but it is not an arbitrary creation of consciousness: it is a method of identification or classification according to the attributes which a consciousness observes in reality. Units do not exist qua units, what exists are things, but units are things viewed by a consciousness in certain existing relationships.

Without the implicit concept of "unit" man could not reach the conceptual method of knowledge. Without the same implicit concept man could not enter the field of mathematics. Thus the same concept is the base and start of two fields: the conceptual and the mathematical, a fact that points to an essential connection between the two fields. It suggests that concept-formation is in some way a mathematical process.

Two main processes are involved in the conscious process man performs in order to regard entities as units: differentiation and integration (Definitions 3.1.4 and 3.1.5).

Definition 3.1.4 (Differentiation). *The process of grasping differences.*

Definition 3.1.5 (Integration). *The process of uniting elements into an inseparable whole.*

In order to move from the stage of sensation to that of perception, we have to discriminate sensory qualities and integrate them into entities. The same two processes occur in the movement from percepts to concepts. In this case, however, the processes are not performed for us automatically.

We begin the formation of concepts by isolating a group of concretes. We do this on the basis of observed similarities that distinguish these concretes from the rest of our perceptual field. It is important to stress that the similarities are observed, they are perceptually given (Theorem 3.1.2).

Theorem 3.1.2. *Similarities are perceptually given.*

Proof. Following Definition 3.1.1, similarity is partial identity. Identity is self-evident, therefore perceptually given. \square

The distinctively human element in the above is our ability to abstract (Definition 3.1.6) such similarities from the differences in which they are embedded.

Definition 3.1.6 (Abstraction). *The power of selective focus and treatment; it is the power to separate mentally and make cognitive use of an aspect of reality that cannot exist separately.*

Man makes something out of the similarities he observes: he makes such data the basis of a method of cognitive organization. The first step of the method is the mental isolation of a group of similars.

But an isolated perceptual group is not yet a concept. To achieve a cognitive result, we must proceed to integrate. When we integrate entities into an inseparable whole such a whole is a new entity, a mental entity. This entity stands for an unlimited number of concretes, including the ones we have not yet observed.

The tool that makes this kind of integration possible is language. A word is the only form in which man's mind is able to retain such a sum of concretes. A word (Definition 3.1.7) is a concrete, perceptually graspable symbol.

Definition 3.1.7 (Word). *A symbol that denotes a concept.*

Only concretes exist. If a concept is to exist, therefore, it must exist in some way as a concrete. It is not true that words are necessary primarily for the sake of communication. Words are essential to the process of conceptualization and thus to all thought. A word without a concept is noise. Words transform concepts into (mental) entities, definitions provide them with identity.

Now let us consider a important problem: the relationship of concepts to existents. A percept is a direct awareness of an existing entity, but a concept involves a process of abstraction. A concept refers to what all the concretes in a given class possess in common. The problem is: what is this attribute and how does one discover it?

All along we have been using concepts to reach the truth. Now we must turn to the precondition of this use and face the fundamental problem of epistemology. We must ground concepts themselves in the nature of reality.

3.2 Concept-Formation as a Mathematical Process

Definition 3.2.1 (Mathematics). *Science of measurement.*

Definition 3.2.2 (Measurement). *The identification of a relationship — a quantitative relationship established by means of a standard that serves as a unit.*

Measurement involves two concretes: the existent being measured and the existent that is the standard of measurement. In the process of measurement, we identify the relationship of any instance of a certain attribute to a specific instance of it selected as the unit. The former may range across the entire spectrum of magnitude; the latter, the (primary) unit, must be within the range of human perception.

Similar concretes integrated by a concept differ from one another only quantitatively, only in the measurements of their characteristics. When we form a concept, therefore, our mental process consists in retaining the characteristics, but omitting their measurements.

The principle is: the relevant measurements must exist in some quantity, but may exist in any quantity. In this sense, in the form of an epistemological standing order, the concept may be said to retain all the characteristics of its referents and to omit all the measurements. A man's grasp of similarity is actually his mind's grasp of a mathematical fact: the fact that certain concretes are commensurable — that they (or their attributes) are reducible to the same unit(s) of measurement.

So far, we have been considering measurement primarily in regard to the integration of concretes. Measurement also plays a special role in the first step of concept-formation: the differentiation of a group from other things. Such differentiation cannot be performed arbitrarily, only by a commensurable characteristic.

To differentiate existents, we define the concept of Conceptual Common Denominator (Definition 3.2.3). We also define concept (Definition 3.2.4).

Definition 3.2.3 (Conceptual Common Denominator). *The characteristic(s) reducible to a unit of measurement, by means of which man differentiates two or more existents from other existents possessing it.*

Definition 3.2.4 (Concept). *A mental integration of two or more units possessing the same distinguishing characteristic(s), with their particular measurements omitted.*

A concept is not a product of arbitrary choice, it has a basis on and do refer to the facts of reality. A concept denotes facts - as processed by a human consciousness.

Theorem 3.2.1. *A concept has a basis on and do refer to facts of reality.*

Proof. Perception makes us aware of the existents (facts of reality). Once we observe similarities (which are also facts of reality) between existents, we are able to differentiate them from all other existents, and finally integrate them into an indivisible whole. \square

What the window of mathematics reveals is not the mechanics of deduction, but of induction.

3.3 Definition as the Final Step in Concept-Formation

The final step in concept-formation is definition.

The perceptual level of consciousness is automatically related to reality. A concept, however, is an integration that rests on a process of abstraction. Such a mental state is not automatically related to concretes, as is evident from the many obvious cases of “floating abstractions” (Definition 3.3.1).

Definition 3.3.1 (Floating Abstraction). *A concept detachets from existents.*

If a concept is to be a device of cognition, it must be tied to reality. It must denote units that one has methodically isolated from all others. This is the basic function of a definition: to distinguish a concept from all other concepts and thus to keep its units differentiated from all other existents.

A definition cannot list all the characteristics of the units. Instead, a definition identifies a concept's units by specifying their essential characteristics (Definition 3.3.2)

Definition 3.3.2 (Essential Characteristic(s)). *The fundamental characteristic(s) which makes the units the kind of existents they are and differentiates them from all other known existents.*

The distinguishing characteristic of an entity is the *differentia*, the concetres from which we are distinguishing the entity from give rise to the *genus*.

Another such feature is the fact that definitions, like concepts, are contextual (Definition 4.3.1). The concepts' definitions may change as the context changes.

Definition 3.3.3 (Context). *The entire field of a mind's awareness or knowledge at any level of its cognitive development.*

When a definition is contextually revised, the new definition does not contradict the old one. The knowledge earlier gained remains knowledge. What changes is that, as one's field of knowledge expands, these facts no longer serve to differentiate the units.

Definitions (like all truths) are empirical statements. They derive from certain kinds of observations — those that serve a specific (differentiating) function within the conceptualizing process.

The definition must state the feature that most significantly distinguishes the units; it must state the fundamental.

Definition 3.3.4 (Fundamental). *The characteristic responsible for all the rest of the units' distinctive characteristics, or at least for a greater number of these than any other characteristic is.*

The definitional principle is: wherever possible, an essential characteristic must be a fundamental.

The truth of a proposition depends not only on its relation to the facts of the case, but also on the truth of the definitions of its constituent concepts. If these concepts are detached from reality then so are the propositions that employ them. A proposition can have no greater validity than do the concepts that make it up. The precondition of the quest for truth, therefore, is the formulation of proper definitions.

A concept is not interchangeable with its definition. A concept designates existents, including all their characteristics, whether definitional or not.

It is crucially important to grasp the fact that a concept is an "open-end" classification which includes the yet-to-be-discovered characteristics of a given

group of existents. One important implication of the above is that a concept, once formed, does not change. The knowledge men have of the units may grow and the definition may change accordingly, but the concept, the mental integration, remains the same.

Chapter 4

Objectivity

We will now begin to identify the rules men must follow in their thinking if knowledge is the goal. These rules can be condensed into one principle: thinking, to be valid, must adhere to reality. But how does one guarantee adherence to reality? The answer lies in the concept of "objectivity".

4.1 Concepts as Objective

"Objectivity" arises because concepts are formed by a specific process and, as a result, bear a specific kind of relationship to reality. Concepts do not pertain to consciousness alone or to existence alone, they are products of a specific kind of relationship between the two. Abstractions are products of man's faculty of cognition, which, concerned with grasping reality, must adhere to it.

Conceptualization is not an automatic reaction to stimuli (as perception is). Concept formation is volitional, requiring effort. Man must learn to do it correctly. In such processing, the basic method he uses, measurement-omission, is dictated by the nature of his cognitive faculty. The result is a human perspective on things, not a revelation of a special sort of entity or attribute intrinsic in the world apart from man.

On the other hand, consciousness is the faculty of grasping that which is, and there is a metaphysical basis for concepts. The characteristics of entities is a fact, not a creation of man. The method of concept formation conforms each step to facts, otherwise it would be irrelevant to a cognitive need.

4.2 Objectivity as Volitional Adherence to Reality by a Method of Logic

The objective approach to concepts leads to the view that, beyond the perceptual level, knowledge is the grasp of an object through an active, reality-based process chosen by the subject. The steps of this process must constitute a method

of cognition, that guarantees that men remains in contact with reality. We define objectivity in Definition 4.2.1. Reality, existents, cannot be objective, they simply are. It is conceptual processes which are objective.

Definition 4.2.1 (Objectivity). *Volitional adherence to reality by following certain rules of method, a method based on facts and appropriate to man's form of cognition.*

The method of cognition that objectivity requires is logic (Definition 1.1.3), which is a volitional consciousness' method of conforming to reality, it is the method of reason. Logic is the art of noncontradictory identification.

4.3 Knowledge as Contextual

Concepts are a relational form of knowledge.

In other words, concepts are formed in a context—by relating concretes to a field of contrasting entities. This body of relationships, which constitutes the context of the concept, is what determines its meaning.

Human knowledge on every level is relational. Knowledge is not a juxtaposition of independent items; it is a unity.

The relational nature of knowledge derives from two roots, one pertaining to the nature of existence, the other, to the nature of consciousness.

Metaphysically, there is only one universe. This means that everything in reality is interconnected.

Knowledge, therefore, which seeks to grasp reality, must also be a total; its elements must be interconnected to form a unified whole reflecting the whole which is the universe.

Leaving aside the primaries of cognition, which are selfevident, all knowledge depends on a certain relationship: it is based on a context of earlier information.

Definition 4.3.1 (Context). *The sum of cognitive elements conditioning an item of knowledge.*

Theorem 4.3.1 (Knowledge is contextual). *Metaphysically, there is only one universe. Therefore everything is interconnected. Knowledge, as it seeks to grasp reality, is also interconnected. The truth of any statement depends on the truth of every other, which is the context of the first.*

4.4 Knowledge as Hierarchical

A first-level concept is one formed directly from perceptual data. Higher-level concepts, by contrast, presuppose earlier concepts.

A definite order of concept-formation is necessary. We begin with those abstractions that are closest to the perceptually given and move gradually away from them.

The same principle of order applies to every field of human knowledge, not merely to concept-formation.

Knowledge has a hierarchical structure.

Definition 4.4.1 (Hierarchy). *A body of persons or things ranked in grades, orders, or classes, one above another.*

A hierarchy of knowledge means a body of concepts and conclusions ranked in order of logical dependence.

The concept or hierarchy is epistemological, not metaphysical, as facts are simultaneous in reality.

An order of logical dependence exists from man's perspective, because man cannot come to know all facts with the same directness. In some but not all cases, the hierarchy of human knowledge depends on the nature of man's senses - on the type of information they provide.

The hierarchical view of knowledge states not only that every (nonaxiomatic) item has a context, but also that such context itself has an inner structure of logical dependence.

The epistemological responsibility imposed on man by the fact that knowledge is contextual is the need of integration. The responsibility imposed by the fact that knowledge is hierarchical is: the need of reduction.

Stolen concept: using a higher-level concept while denying or ignoring its hierarchical roots.

Invalid concepts: words without specific definitions, without referents. The test of an invalid concept is the fact that it cannot be reduced to the perceptual level.

Proof is a form of reduction. Proof is a form of retracing the hierarchical steps of the learning process.

Chapter 5

Reason

The whole of our philosophy amounts to “follow reason”. “Reason” (Definition 5.0.1), nevertheless, is a higher-level concept, and to grasp its meaning one must first grasp its hierarchical roots. These are what we have been discussing about in the chapters above.

Definition 5.0.1 (Reason). *Method of cognition that proceeds in accordance with facts, which are established, directly or indirectly, by observation.*

The faculty that:

- *identifies and integrates the material provided by man’s senses;*
- *enables man to discover the nature of existents — by virtue of its power to condense sensory information in accordance with the requirements of an objective mode of cognition;*
- *organizes perceptual units in conceptual terms by following the principles of logic.*

Remark. *The latter formulation highlights the three elements essential to the faculty: its data, percepts; its form, concepts; its method, logic.*

Reason is the existence-oriented faculty. Accepting reason is accepting reality.

5.1 Emotions as a Product of Ideas

5.2 Reason as Man’s Only Means of Knowledge

5.3 The Arbitrary as Neither True or False

5.4 Certainty as Contextual

Part III

Ethics

Chapter 6

Man

There is no question more crucial to man than the question: what is man? What kind of being is he? What are his essential attributes?

A philosophical inquiry into man is not part of the special sciences: it is a study of man's metaphysical nature.

In this inquiry, one is not concerned to discover what is right for man or wrong, desirable or undesirable, good or evil. The concern here is a purely factual question: what is the essence of human nature?

Until you know what you are you cannot know what you ought to do. The root of all evaluative sciences is the nature of man.

6.1 Man as Conditional and Goal-Directed

Man is a living being, which means that he can die. His existence is not given: it is conditional (Definition 6.1.1).

Definition 6.1.1 (Conditional). *Subject to one or more conditions or requirements being met; made or granted on certain terms.*

Man's existence is subject to requirements. It requires a specific course of action, which itself requires effort. The actions of man (his efforts) are goal-directed (Definition 6.1.2) if he is to live.

Definition 6.1.2 (Goal). *The object of a person's ambition or effort; an aim or desired result.*

6.2 Reason as Man's Basic Means of Survival

Theorem 6.2.1. *Reason is man's basic means of survival.*

Proof. Man, if he is to survive, needs to produce what his survival requires. In order to produce objects in reality he needs to deal with reality. For man's

actions to be successful in dealing with reality, he needs to know reality. The method of knowing reality is reason. Reason, therefore, is man's basic tool of survival. \square

6.3 Reason as an Attribute of the Individual

Reason is an attribute of the individual, There is no such thing as a collective mind or brain. Thought is a process that must be initiated and directed at each step by the choice of one man, the thinker. Only an individual qua individual can perceive, abstract, define, connect.

Chapter 7

The Good

Ethis is the branch of philosophy that deals with moral principles (Definition 0.0.9). Moral principles are to guide man's choices and actions - which determine the purpose and course of his life. Man needs a moral code because his life requires a specific course of action and, being a conceptual entity, he cannot follow this course except by the guidance of concepts.

There are two key questions answered by ethics:

- How what a man should live?
- By what fundamental principle should he act in order to achieve this end?

These questions determine the ultimate value and the primary virtue. Our answers, at the end of this chapter, will be the following: the ultimate value is life (oneself's), and the primary virtue is rationality.

The main problem of ethics, as a branch of philosophy that follows metaphysics and epistemology is: how can knowledge about what is bring to the knowledge of what ought to be? We will hold in this chapter that facts do lead to values.

Ethics can be validated objectively, it is a science (it can be discovered with cognition) - and a human necessity.

7.1 “Life” as the Essential Root of “Value”

First, let's define “value” (Definition 7.1.1) and consequently define “important” (Definition 7.1.2).

Definition 7.1.1 (Value). *A person's principles or standards of behavior; one's judgment of what is important in life.*

Definition 7.1.2 (Important). *Of great significance or value; likely to have a profound effect on success, survival, or well-being.*

Now we are able to prove that life is the ultimate value (Theorem 7.1.1), and, accordingly, that remaining alive is the goal of values and of all proper action.

Theorem 7.1.1. *“Life” is the ultimate value.*

Proof. A value is something important - something that helps survival (the maintenance of life). Survival - life - is the ultimate value. The most important thing in life is life itself. \square

Value presupposes goal-directed action (behaviour). An object is outside the field of value if action in relation to it is inapplicable or ineffectual. Living organisms, therefore, are the entities that make value possible. They, nevertheless, do not exist in order to pursue values: they pursue values in order to exist.

Only self-preservation can be an ultimate goal, which serves no end beyond itself. Philosophically speaking, the essence of self-preservation is: accepting the realm of reality.

7.2 Man's Life as the Standard of Moral Value

Man has a nature, he must follow a specific course of action if he is to survive. But man is not born knowing what that course is, nor does such knowledge well up in him effortlessly. To know this course is the purpose of morality (Definition 7.2.1).

Definition 7.2.1 (Morality). *1. Principles concerning the distinction between right and wrong or good and bad behavior,*

2. a particular system of values and principles of conduct, especially one held by a specified person or society.

Definition 7.2.2 (Principle). *A fundamental truth or proposition that serves as the foundation for a system of belief or behavior or for a chain of reasoning.*

Man (and only man) needs morality in order to survive. Moral laws are principles that define how to nourish and sustain human life. It is the science of human self-preservation. Man needs a moral code because his life requires a specific course of action and, being a conceptual entity, he cannot follow this course except by the guidance of concepts.

No action an organism takes is irrelevant to its existence, therefore, morality applies to every action. For a rational being, principled action is the only effective kind of action.

A code of values based on reason and proper to man must hold life as the ultimate value. All that which is proper to the life of a rational being is the good; all that which destroys it is the evil.

7.3 Rationality as the Primary Virtue

What are the principles of human survival? What objects must man hold as values if he is to preserve his life, and what virtues must he practice in order to achieve them?

The faculty of reason is man's basic tool of survival. The primary choice is to exercise this faculty or not. If life is the standard, therefore, the basic moral principle is obvious. It tells us the proper evaluation of reason.

To live, man must hold three things as the supreme and ruling values of his life: Reason—Purpose—Self-esteem. Reason, as his only tool of knowledge—Purpose, as his choice of the happiness which that tool must proceed to achieve—Self-esteem, as his inviolate certainty that his mind is competent to think and his person is worthy of happiness, which means: is worthy of living. These three values imply and require all of man's virtues...

Epistemology tells us reason is valid. Ethics tells us reason is a value - is important. If one chooses to live, one must hold reason as a value.

Definition 7.3.1 (Virtue). *The action by which one gains and keeps a value.*

"Rationality," according to Ayn Rand, is "the recognition and acceptance of reason as one's only source of knowledge, one's only judge of values and one's only guide to action."

This means the application of reason to every aspect of one's life and concerns. It means choosing and validating one's opinions, one's decisions, one's work, one's love, in accordance with the normal requirements of a cognitive process, the requirements of logic, objectivity, integration. Put negatively, the virtue means never placing any consideration above one's perception of reality.

By the same token, there is only one primary vice, which is the root of all other human evils: irrationality. This is the deliberate suspension of consciousness, the refusal to see, to think, to know.

Now let me consider certain aspects of rationality in greater detail.

To begin with, one cannot follow reason unless one exercises it. Rationality demands continual mental activity. Rationality requires the systematic use of one's intelligence.

The point is not that one must become a genius or even an intellectual. Contrary to a widespread fallacy, reason is a faculty of human beings, not of "supermen." The moral point here is always to grow mentally, to increase one's knowledge and expand the power of one's consciousness to the extent one can, whatever one's profession or the degree of one's intelligence.

The men of virtue are the men who choose to practice and welcome this kind of struggle on principle, as a lifelong commitment.

Just as every idea has a relationship to one's other ideas, and none can be accepted until it is seen to be an element of a single cognitive whole; so every fact has a relationship to other facts, and none can be evaded without tearing apart and destroying that kind of whole.

The existential side of rationality is the policy of acting in accordance with one's rational conclusions. There is no point in using one's mind if the knowledge

one gains thereby is not one's guide in action.

This aspect of rationality subsumes several obligations.²⁹ It requires that one choose not only his abstract values but also his specific goals by a process of rational thought. It requires that one know what his motives are. It requires that one choose the means to his ends by reference to explicitly defined principles, both moral and scientific. And it requires that one then enact the means, accepting the law of causality in full.

In epistemology, we concluded that emotions are not tools of cognition. The corollary in ethics is that they are not guides to action.

The proper approach in this issue is not reason versus emotion, but reason first and then emotion. This approach, as we have seen, leads to the harmony of reason and emotion, which is the normal state of a rational man.

7.4 The Individual as the Proper Beneficiary of his Own Moral Action

7.5 Values as Objective

Chapter 8

Virtue

- 8.1 Independence as a Primary Orientation to Reality, not to Other Men
- 8.2 Integrity as Loyalty to Rational Principles
- 8.3 Honesty as the Rejection of Unreality
- 8.4 Justice as Rationality in the Evaluation of Men
- 8.5 Productiveness as the Adjustment of Nature to Man
- 8.6 Pride as Moral Ambitiousness
- 8.7 The Initiation of Physical Force as Evil

Chapter 9

Happiness

9.1 Virtue as Practical

9.2 Happiness as the Normal Condition of Man

9.3 Sex as Metaphysical

Part IV

Politics

Chapter 10

Government

10.1 Individual Rights as Absolutes

10.2 Government as an Agency to Protect Rights

10.3 Statism as the Politics of Unreason

Chapter 11

Capitalism

11.1 Capitalism as the Only Moral System

11.2 Capitalism as the System of Objectivity

11.3 Opposition to Capitalism as Dependent on
Bad Epistemology

Part V

Aesthetics

Chapter 12

Art

12.1 Art as a Concretization of Metaphysics

12.2 Romantic Literature as Illustrating the Role
of Philosophy in Art

12.3 Esthetic Value as Objective