

Systems of Orientation 40 Years Later

**Nineteenth extension & revision of tables to
R. Jung. 1965. Systems of orientation.¹**

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Most of the figures and tables were originally published in R. JUNG. 1964b. Systems of orientation: A preliminary Conceptualization. (A Working Paper in the Functional Theory of Orientation.) In: M. KOCHEN. Some Problems in Information Science with Emphasis on Adaptation to Use Through Man-Machine Interaction. IBM Th. J. Watson Research Center, Yorktown Heights, NY, 1964. and in R. JUNG. 1965b. Systems of orientation. In: M. KOCHEN (ED.), Some Problems in Information Science. New York NY & London UK: The Scarecrow Press.

Revision 16 appeared as Working Paper No. 89-4. Edmonton, AB. Department of Sociology and Center for Systems Research, University of Alberta, Center for Systems Research; Czechoslovak Academy of Sciences; Department of Political Science, Charles' University; Masaryk Institute of Advanced Study, The Czech Technical University in Prague.

Over the years the original tables and figures were revised and new ones added.

Tab. 1a. The Process of Orientation: Primitive Formulation.

OPERATOR	OPERAND	TRANSFORM
ORIENTATION <u>(Unanalyzed)</u>	EXPERIENCE Indeterminate field of unspecified system (Manifold)	DEFINITION OF WORLD Specified system (Characterized in Table 1c)

Tab. 1b. The Process of Orientation: Phenomenological Results.

OPERATOR / OPERATION	OPERAND	INITIAL TRANSFORM	INTERMEDIATE TRANSFORM	FINAL TRANSFORM
<u>???</u> O ₁ : ORIENTATION (Partitioned)	<u>???</u> <u>(Unanalyzed)</u>	EXPERIENCE Constituted & differentiable manifold		
<u>???</u> O ₃ : VALIDATION (Unanalyzed) Acceptance			SYSTEMS OF DISCOURSE Available statements (Analyzed phenomenologically)	DEFINITION OF WORLD System of utterances (Analyzed)

Tab. 1c. The Process of Orientation: Formal Results.

OPERATOR	OPERATION	INITIAL TRANSFORM	INTERMEDIATE TRANSFORM	FINAL TRANSFORM
<p>O₁: PANDEMIC <u>Engagement</u> (Unanalyzed)⁴</p>	Generation	<p>EXPERIENCE Indeterminate field of unspecified system³ <i>Differentiability</i></p>	<p>SYSTEMS OF DISCOURSE Available statements <i>Interpretation</i></p>	<p>DEFINITION OF WORLD System of utterances <i>Acceptance</i> Dimensions of validity Gradients of uncertainty Levels of uncertainty</p>
<p>O₂: ENDEMIC <u>Orientation</u> (Analyzed)</p>		Selection		
<p>O₃: EPIDEMIC <u>Validation</u></p>	Judgment			

Tab. 1d. The Process of Orientation: Conceptualization of Results.

Operator ⁵	Operand	TRANSFORM ⁶		STATUS	Phenomenology ⁷
O: CON-JUGATE	BOUNDARY	SYSTEM RELATIONS		PICTURE OF THE WORLD	EXPERIENCE
O₁: Pan-demic	Indefiniteness	Orientation	Distinctions	Available	Definiteness, boundary
O₂: Epi-demic					
O₃: En-demic	Orientation	Discourse	Statements	Interpreted	Possibility, meaning

Tab. 1e. The Process of Orientation: Frames of Reference.

ONTIC⁸		GARLANDS OF MAYA⁹		SYNCOPE IN THE VOID¹⁰	
Epistemic	FRAME	LOCAL	GENERAL	POTENTIAL	FORMING
Space	LOGICAL	Cartesian	Transformation	Superpositions ¹¹	Reduction
	METRIC	Galilean	Minkowski	Hilbert (complex)	Bolzman
Elements		Vectors	Co- & invariants	Distinctions ¹²	Entropy at point
Relations	Space	1, 0	Tensors		Potential gradients
	System			Wave functions	
System		Epistemic, Telic ¹³	Epistemic	Epistemic	
Discourse		Phenomenological	Instrumentalist, representational	Instrumentalist	Instrumentalist, phenomenal

Tab. 2a. Transforms of Experience under Pandemic Operators.

O	OPERATOR	TRANSFORM				PHENOMENOLOGY
01	<i>PANDEMIC</i>	<i>SYSTEMS OF ORIENTATION¹⁴</i>				<i>EXPERIENCE</i>
1A	FIELD	INDEFINITE MANIFOLD				INDEFINITE
1B	ITEM	VALUE	AGGREGATE	CATEGORY	UNIVERSE	DEFINITE
11	<u>Assembly</u>	<u>Topography¹⁵</u>				Constituted
11a	Index (tag, label)	Individual	Sample	Class	Population	Granular
11b	Complement	Condition	Context	Situation	Environment	Contextual
12	<u>Kantian</u>	<u>Chrono-¹⁶ and chorography¹⁷</u>				
12a	Time	Date	Period	Stage ¹⁸	Chronos	Historical
12b	Space ¹⁹	Site	Area	Region ²⁰	Cosmos	Local

Tab. 2b. Transforms of Experience under Endemic Operators.

O	OPERATOR	TRANSFORM			PHENOMENOLOGY
02	ENDEMIC	SYSTEMS OF DISCOURSE			CONSCIOUSNESS
21	CLAIM RESTRICTORS	STATEMENTS			INTERPRETATION?
211	Set constructors ²¹	Conserves	Set	Kant's	Local frame
211a	Denotation	Extension	Concrete	Quantity	
211b	Separation	Intension	Abstract	Quality	
211c	Choice	Correspondence	Formal	Relation	
212	Quantifiers	Scope of validity			
212a	Particular (\exists)	For some x			
212b	Universal (\forall)	For all x			
213	Qualifiers ²²	Source of validity			
213a	Analytic (A)	Endosystemic			
213b	Synthetic (S)	Exosystemic			
22	CLAIM EXTENSORS	COMBINATION STATEMENTS			INTEGRATION?
221	Correspondence rules	Statement of equivalence			
222	Transfer procedures	Information transfer			
23	COMPLEMENTARY	EXISTENTIAL STATEMENTS			REALIZATION?
231	Subjectifying	Telic systems of discourse			Self ²³
231a	Emphasizing	Relevance space			Reflexive
231b	Polarizing	Focal region			Intentional
232	Objectifying	Epistemic systems of discourse			Other ²⁴
232a	Annihilating	Possibility space			Objective
232b	Neutralizing	Detachment, Transcendence			Absolute

Tab. 2c. Transforms of Experience under Epidemic Operators.

SYSTEM	CRITERIA OF ACCEPTANCE	ACCEPTED AS	EXPERIENCE	
			EPISTEMIC	TELIC
1	Reliability Error of measurement Not artifact	Actual		
2	Possibility (included) Not polysemic (univocal) Not tautological (contains antonyms)	Meaningful		
3	Analyticity Not contradictory Decidable	Necessary		
2 & 1	Sufficient Confidence Likelihood	Real	Sufficiency	Anxiety
2 & 3	Efficient Power Scope	Ideal	Efficiency	Guilt
3 & 1	Objective / Subjective Sensitive / Robust	Permissible	Validity	Shame
2&1+3&1	Strong inference	Evident	Conviction	Warranty

Tab. 2c2. OPERATORS TRANSFORMS PHENOMENOLOGY

03: EPIDEMIC OPERATORS DEFINITION OF WORLD OF ACTION

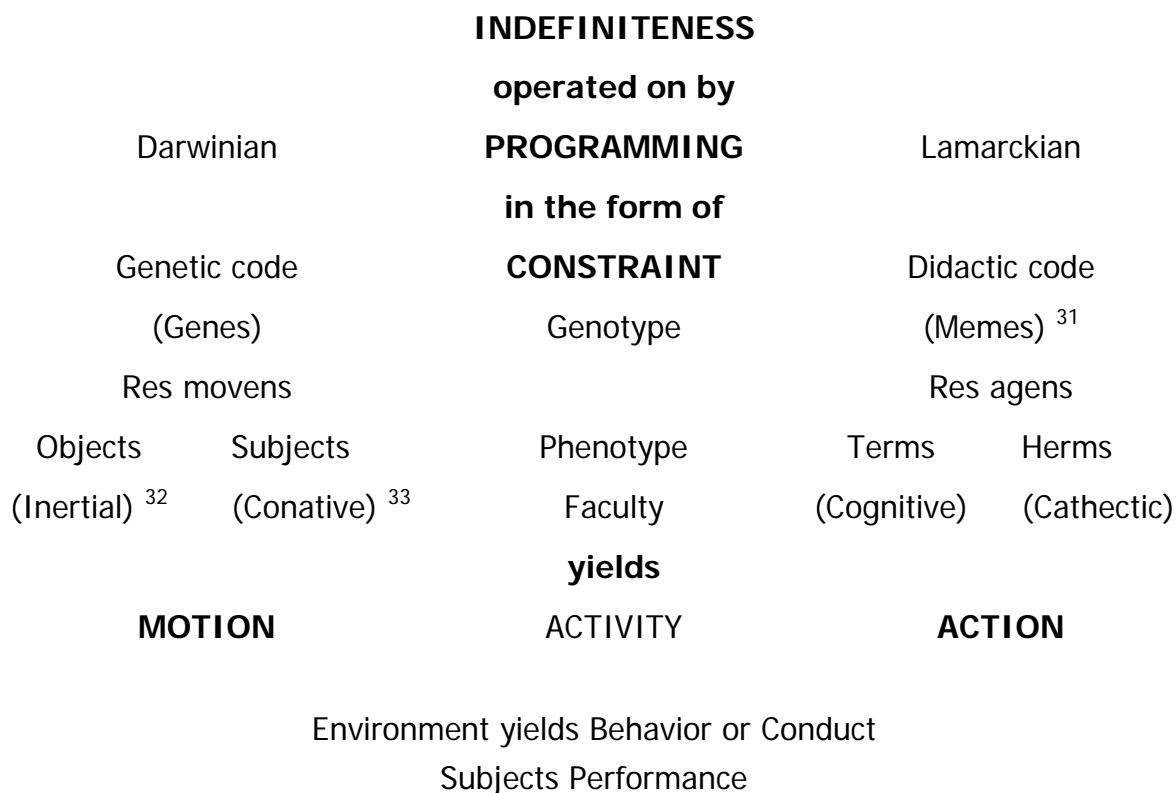
(Judgment?) REALIZATION

- 30 Local frame
Utterance
- 301 Unique, exclusive, & bounded
Constitution of macro-physical objects
Space-time location;
lumping
- 302 Unique & stable space-time
Transcendental reduction to universal meaning
Differentiability & partitioning
Illustration (*Verstehen*)
- 303 Analyticity
Logicality (*Erklären*)
- 301 &2 Sufficiency
Recognition (*Deutung*)
- 302&3 Efficiency
Illumination (*Lichtung*)
- 301 &3 Objectivity
Recognition/Insight (*Erkenntnis*)
- +301 (*Empfinden*)
- +302 Dominant
Transcendental Stable
Eidetic
- +303 Comprehension (*Begreifen*)

Tab. 3a. The Definition of a World: Minimal Constituents.

SYSTEM	EPISTEMIC WORLD	TELIC WORLD
VARIABLES	Dimensions Epistemic hyperplane ²⁵ Possibility space	Essential variables Telic hyperplane ²⁶ Relevance space
THEIR VALUES	Vector states ²⁷ Events ²⁹ <i>Df.</i> of objects	Critical intervals ²⁸ Focal regions ³⁰ <i>Df.</i> of subjects
RELATIONS	Structure Environment Geodesics World line	Functional projections Situation Courses of action History swath

Tab. 3b. Genesis of objects and subjects.



Tab. 4a. Systems of Orientation: Simple Systems.

SYSTEM NO.	FIELDS, VALUES & VARIABLES	POSSIBILITY / RELEVANCE SPACE RELATIONS	SYSTEM RELATIONS
1	Concrete	Analytic (A) & particular (\exists)	Synthetic (S) & particular (\exists)
2	Abstract	Analytic (A) & particular (\exists)	Synthetic (S) & universal (\forall)
3	Formal	Analytic (A) & particular (\exists)	Analytic (A) & universal (\forall)

Tab. 4b. Systems of Orientation: Combination Operations.

SYSTEM NUMBER	FIELDS, VALUES & VARIABLES	POSSIBILITY / RELEVANCE SPACE RELATION ³⁴	SYSTEM RELATIONS
CLAIM EXTENSORS	COMBINED CLAIM	CORRESPONDENCE RULES	TRANSFER PROCEDURES
2 & 1	Abstract & concrete	$(A\exists)_2 \equiv (A\exists)_1$	$(S\forall)_2 \Leftrightarrow (S\exists)_1$
2 & 3	Abstract & formal	$(A\exists)_2 \equiv (A\exists)_3$	$(S\forall)_2 \Leftrightarrow (S\forall)_3$
3 & 1	Concrete & formal	$(A\exists)_1 \equiv (A\exists)_3$	$(S\exists)_1 \Leftrightarrow (S\forall)_3$

Tab. 5. The Twelve Systems of Discourse: Phenomenological Typology.

SYSTEM No.		EPISTEMIC	TELIC
SIMPLE	1	Accounting	Aesthetic
	2	Conceptual	Moral
	3	Symbolic	Axiological
COMBINED	2 & 1	Methodological	Pragmatic
	2 & 3	Theoretical	Ethical
	1 & 3	Representational	Expressive

Tab. 6a. Epistemic Systems of Discourse: Simple Systems.

SYSTEM No. NAME		VARIABLES	THEIR VALUES TERMS	RELATIONS RULES OF INTELLIGIBILITY
1	Accounting	Macro-Operator ³⁵ Observer / Participator ³⁶	Event Captum / Datum ³⁷	Pattern n-tuple
2	Conceptual	Variable	Class	Proposition (Relationship)
3	Symbolic	Order symbol (Locus)	Place symbol (Situs)	Formula (Function)

Tab. 6b. Epistemic Systems of Discourse: Combination Operations.

SYSTEM No. X&Y ³⁸	COMBINED SYSTEM NAME	CORRESPONDENCE RULE		TRANSFER PROCEDURE	
		$V_x \leftarrow V_y$	$V_x \rightarrow V_y$	$\mathfrak{R}_x \leftarrow \mathfrak{R}_y$	$\mathfrak{R}_x \Rightarrow \mathfrak{R}_y$
2 & 1	Methodological	Interpretation as indicator	Operational definition ³⁹	Inductive generalization	Experiment ⁴⁰
2 & 3	Theoretical	Semantic interpretation	Lexical definition ⁴¹	Deductive inference	Explanation ⁴²
1 & 3	Representational	Representation	Symbolization	Production	Simulation ⁴³

Tab. 6c. Epistemic Systems of Discourse: Combined Systems.

SYSTEM No. NAME		VARIABLES	THEIR VALUES TERMS	RELATIONS RULES OF INTELLIGIBILITY
2 & 1	Methodological	Index	Fact	Hypothesis
2 & 3	Theoretical	Scale	Construct	Law
1 & 3	Representational	Instrument	Artifact	Model

Tab. 7a. Telic Systems of Discourse: Simple Systems.

SYSTEM No.		SUBJECTIFYING OPERATION ⁴⁴	CRITICAL VALUES ⁴⁵	FOCAL REGION ⁴⁶ <i>Definition of subject (Self)</i>		FUNCTIONAL RELATIONS ⁴⁷ RULES OF warrantability
NAME				HERMS	INTERNAL <i>Anima</i> ⁴⁸	
1	Aesthetic	Separation	Threshold	Existence	Consumer	Arousal (Emotion)
2	Moral	Commitment	Standard	Identity	Role	Rule of action
3	Axiological	Individuation	Value	Essence	Sva-dharma	Rule of importance

Tab. 7b. Telic Systems of Discourse: Combination Operations.

SYSTEM No. X&Y ⁵⁰	COMBINED SYSTEM NAME	CORRESPONDENCE RULE		TRANSFER PROCEDURE	
		$V_x \leftarrow V_y$	$V_x \rightarrow V_y$	$\mathfrak{R}_x \leftarrow \mathfrak{R}_y$	$\mathfrak{R}_x \Rightarrow \mathfrak{R}_y$
2 & 1	Pragmatic	Interpretation as sanction	Cathexis	Prudential generalization	Pragmatic experiment
2 & 3	Ethical	Interpretation as duty / responsibility	Identification / Loyalty	Categorical command	Categorical judgment
1 & 3	Expressive	Representation	Symbolization	Incarnation ⁵¹	Sublimation

Tab. 7c. Telic Systems of Discourse: Combined Systems.

SYSTEM No.		SUBJECTIFYING OPERATION	CRITICAL VALUES	FOCAL REGION <i>Definition of subject (Self)</i>		FUNCTIONAL RELATIONS RULES OF WARRANTABILITY
No. NAME				HERMS	INTERNAL <i>Anima</i> ⁵²	
2 & 1	Pragmatic	Engagement	Constraint	Regulator	Producer	Prudential rule ⁵⁴
2 & 3	Ethical	Calling / Appointment	Norm	Mission	Office	Categorical rule ⁵⁵
1 & 3	Expressive	Posture	Stigma	Image	Status	Ritual ⁵⁶

Tab. 8. Telic Systems: Gradients of Uncertainty.

SYSTEM		UNCERTAINTY		POLARIZED UNCERTAINTY ⁵⁷	
No.	NAME	MAXIMIZED	MINIMIZED	MIN (+)	MIN (-)
1	Aesthetic	Irritation	Emotional clarity	Pleasure (Well-being)	Pain (Misery, <i>Unlust</i>)
2	Moral	Functional insignificance	Functional significance	Eufunctional significance	Dysfunctional significance
3	Axiological	Absurdity	Meaning	Comprehension	Mystery
2 & 1	Pragmatic	Impotence (Frustration)	Competence	Mastery	Endurance
2 & 3	Ethical	Anomie	Normative determination	Prescription	Proscription
1 & 3	Expressive	Isolation (Loneliness)	Integration (Belonging)	Solidarity	Antagonism

Tab. 9. Systems of Judgment: Spheres of Acceptance.

SYSTEM: <i>SPACE:</i>		EPISTEMIC <i>POSSIBILITY</i>	TELIC <i>RELEVANCE</i>
ACCEPTANCE:		ABSOLUTE (WITH RESPECT TO WHAT IS):	RELATIVE TO (CONTINGENT ON) SUBJECTIFYING OPERATION:
Simple	1	Actual	Separation
	2	Meaningful	Commitment
	3	Necessary	Individuation
Combined	2 & 1	Real	Engagement
	2 & 3	Ideal	Calling (Appointment)
	1 & 3	Permissible	Posture

Tab. 10. Telic Systems of Orientation: Spectral Decomposition of the Plenum.

INDIVIDUAL SYSTEM		PLENUM	
No.	NAME	SECTOR	HYPER-SECTOR
1	Aesthetic	Economy	Civilization
2 & 1	Pragmatic	Technology	
2	Moral	Social organization	Society
2 & 3	Ethical	Institutions	
3	Axiological	Ideology	Culture
1 & 3	Expressive	Rituals	

Tab. 11. Existential Constitution of Systems.

UNIT	MANAGEMENT OF	ESSENTIAL VARIABLE
INDIVIDUAL	INTENTION	INAUTHENTICITY
Cognitive	Orientation	Uncertainty
Cathective	Motivation	Tension
Conative	Decision	Risk
SITUATED INDIVIDUAL	ACTION	UNFITNESS
GROUP	INTERACTION	INCOMPLEMENTARITY
AGGREGATE	TRANSACTION	DISSENSUS
PLENUM	TRANSFORMATION	INCOHERENCE

Tab. 12. General Theory of Action: Articulation of Units.

SYSTEM	UNIT					
	INDIVIDUAL		GROUP	AGGREGATE	PLENUM	
	<i>INTERNAL</i>	<i>EXTERNAL</i>			<i>SECTOR</i>	<i>HYPER-SECTOR</i>
1	Existence	Consumer	Household	Market	Economy	Civilization
2	Identity	Role	Organization		Social organization	Society
3	Essence	Sva-dharma	Sect	Denomination / Church?	Ideology	Culture
2 & 1	Regulator	Producer	Ejective channel	Industry	Technology	Civilization
1 & 3	Image	Status	Class / Cast / Sex / Ethnic	Community	Social structure	Society
2 & 3	Mission / Calling	Office	Corporation	Bureaucracy	Institutions	Culture

Fig. 1. A World Graph.⁵⁸
(The Situation⁵⁹ of an Organism in State S_0 ⁶⁰.)

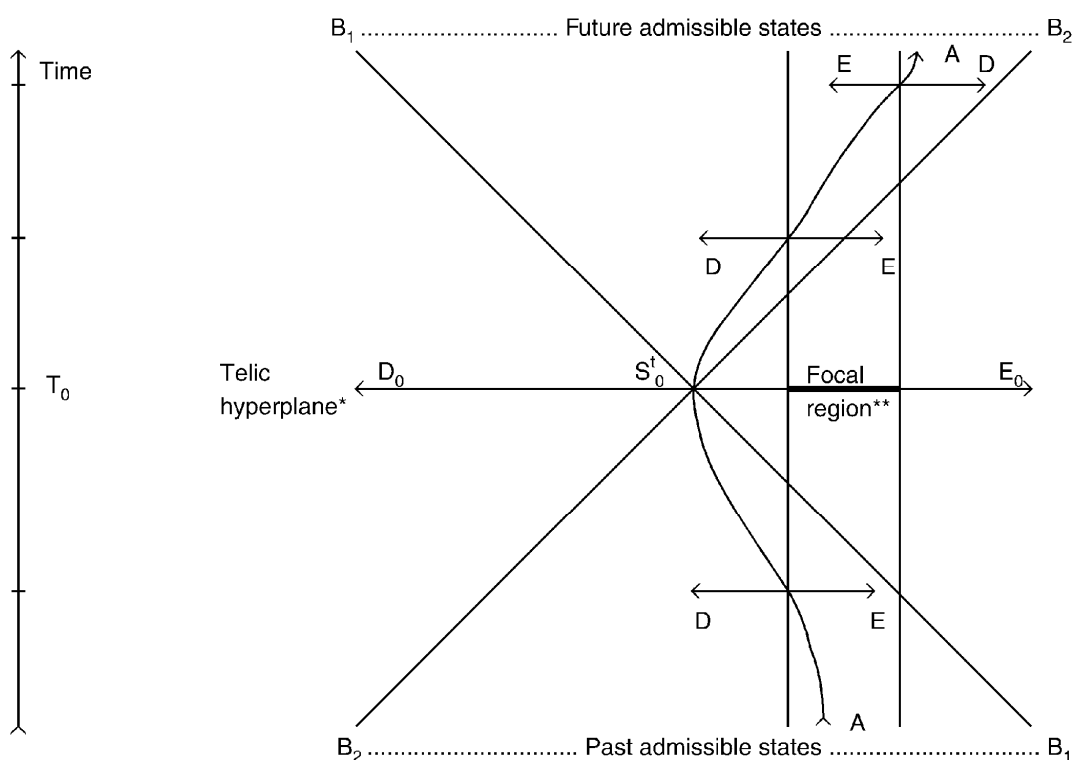


Fig. 2a. An Actor's World Swath.
(The Modal Status of his Epistemic⁶¹ Experience).

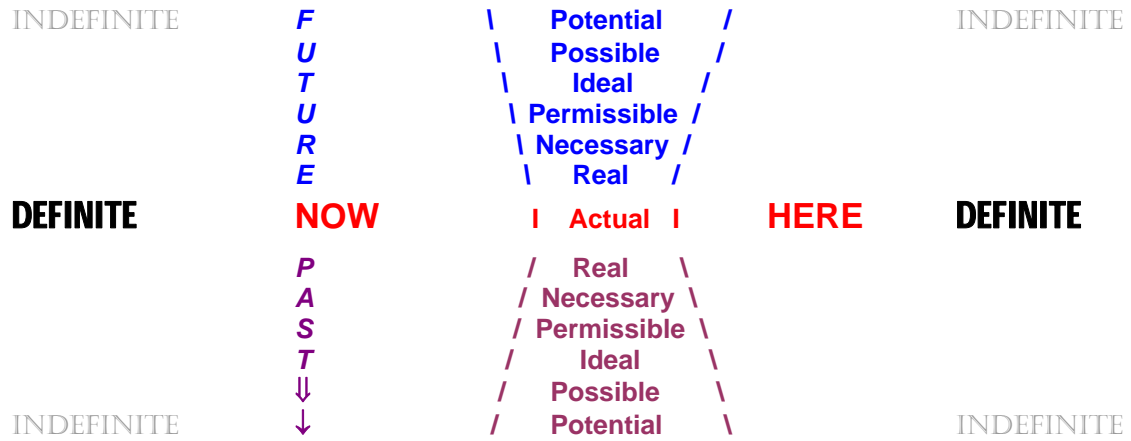
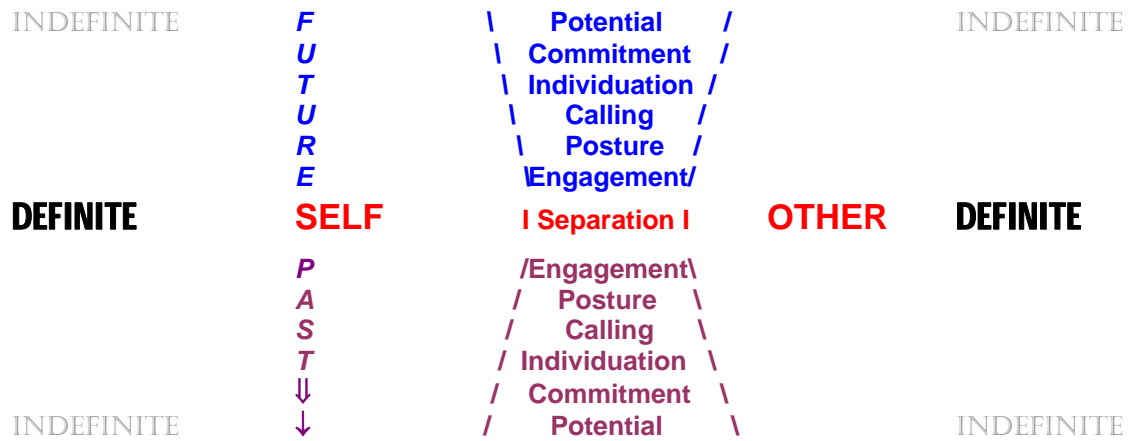


Fig. 2b. An Actor's World Swath.
(The Modal Status of his Telic⁶² Experience).



Endnotes

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- ¹ [65b](#)
 - ² Kouřimská 24, CZ - 284 01 Kutná Hora, Czech Republic;
+420 607 587 627, www.RichardJung.cz , Richard.Jung@post.harvard.edu .
 - ³ Hazy manifold.
 - ⁴ Constituted and differentiable manifold.
 - ⁵ Complete set of conjugate operators.
 - ⁶ Employed in the narrow sense, for the primal transformation, rather than in the broad sense employed for the Special Theory of Orientation and all the Systems of Orientation.
 - ⁷ Implies consciousness and communication, *i.e.*, subjectivity and inter-subjectivity.
 - ⁸ Two pairs of conjugate operators.
 - ⁹ Conjugate operators: position, momentum.
 - ¹⁰ Conjugate operators: time, energy.
 - ¹¹ Substruction.
 - ¹² Quantal (discontinuous, step-functions).
 - ¹³ Phenomenology (concepts, meaning) and teleology (telic discourse) makes sense only in local frames.
 - ¹⁴ All transforms by pandemic operators are in algebraic categories FUZ and HUZ, *i.e.*, fuzzy elements and sets, hazy manifolds.
 - ¹⁵ Nominal, no higher order implied.
 - ¹⁶ Ditto.
 - ¹⁷ Ditto.
 - ¹⁸ Also: phase, eon, and similar divisions of time that possess some common features.
 - ¹⁹ Cartesian space or any state space, not necessarily 'physical'. No metric is implied.
 - ²⁰ Also: realm and similar divisions of space that possess some common features.
 - ²¹ Ontifiers. Place before the others, to be able to generate potentiality.
 - ²² Source restrictors.
 - ²³ Emerges only here.
 - ²⁴ Inter-subjective.
 - ²⁵ Cognitive frame of reference.
 - ²⁶ Evaluative frame of reference.
 - ²⁷ Descriptive components of boundary.
 - ²⁸ Normative components of boundary.
 - ²⁹ Descriptively optimal form.
 - ³⁰ Normatively optimal form.
 - ³¹ Engramm (Engramme). R. Semon, 1859-1918.
 - ³² Causal or Newtonian
 - ³³ Functional or cybernetic

-
- ³⁴ \equiv means rendered equivalent by a correspondence rule,
 \Leftrightarrow means mutually derivable by an appropriate transfer procedure.
- ³⁵ A macrophysical object, whose states are interpreted as transformations of indefiniteness into form. Analogous to the collapse of the wave function.
- ³⁶ A complete set of conjugate operators.
- ³⁷ The identical state of a macrophysical object is treated either as a captum in the context of a methodological system (see Table 6b below) or as a datum in the context of a representational system.
- ³⁸ X and Y stand for the two respective simple systems,
V stands for variables,
 \leftarrow and \rightarrow indicates the direction of mapping by which the respective correspondence rule is constructed,
 \Re stands for relations,
 \Leftarrow and \Rightarrow indicates the direction of the respective transfer procedure.
- ³⁹ Operationalization.
- ⁴⁰ Test of the reality of a hypothesis.
- ⁴¹ Formalization.
- ⁴² Test of the ideality (logicality) of a law.
- ⁴³ Test of the permissibility (*in vitro* or *in natura*) of a model.
- ⁴⁴ The constitution (or reconstitution) of the boundary.
- ⁴⁵ Normative components of the boundary.
- ⁴⁶ Normatively optimal boundary.
- ⁴⁷ Components of intention, or, in other interpretations, action, conduct, behavior, performance. Cf. below and JUNG (1985, 1987).
- ⁴⁸ Shell.
- ⁴⁹ Hull.
- ⁵⁰ X and Y stand for the two respective simple systems,
V stands for variables,
 \leftarrow and \rightarrow indicates the direction of mapping by which the respective correspondence rule is constructed,
 \Re stands for relations,
 \Leftarrow and \Rightarrow indicates the direction of the respective transfer procedure.
- ⁵¹ Embodiment.
- ⁵² Shell.
- ⁵³ Hull.
- ⁵⁴ Heuristic.
- ⁵⁵ Algorithm.
- ⁵⁶ Script.
- ⁵⁷ Polarization of the uncertainty gradient is one of the results of the partitioning operation. Cf. [Table 2b](#), operation (231b) above.
I am indebted to Professor Burkart Holzner for a suggestion that led to the retention of my original insight concerning a polarity of 'integration' and to its generalization to all the six systems.
- ⁵⁸ Legend:
 T_0 = Now.
 St_0 = State of the organism at T_0 in a functional projection on the telic hyperplane, *i.e.*, the present telic value of the state of the organism

A = An admissible action-line.

B_{1,2} = Projections of epistemic boundaries on admissible states, given a structure of the epistemic world and a state of the organism S₀.

D = Dysfunctional direction of action at a given point in space-time.

E = Eufunctional direction of action at a given point in space-time.

⁵⁹ * = N-dimensional hyperplane represented by one coordinate.

** = Projection of the n-dimensional focal region.

⁶⁰ The counter-intuitive simplifying assumption is made, that the definition of actor (focal region) does not change over time.

⁶¹ The World is indefiniteness.

It is composed phenomenologically into form, by individuals who assign to it, in succession, potentiality, possibility (meaning), ideality, permissibility and, eventually, reality (*i.e.*, uncertainty, risk, and tension). As indefiniteness is composed into the World, the actor will successively experience the inefficiency, invalidity, and insufficiency of his World.

At the origin, these are maximally reduced to a unique and exclusive actuality.

The origin of the time cone is the point of maximum control:

The residual uncertainty, risk, and tension are pumped into the past.

Residual indefiniteness is dumped OUTSIDE of the light cone, *i.e.*, the choice of what is actual banishes indefiniteness into other "potential" worlds.

The Self is a space-time traveler.

The niche of the Itinerant Self is a bubble in epistemic space-time.

This bubble is at the extended origin of the light cone; its extent is the *species here and now*.

It's actions (time travel) convert indefiniteness into form and back into indefiniteness.

It experiences the conversion as the deformation of its own boundary, *i.e.*, uncertainty, risk and tension.

The history of the Self is represented by a swath of uncertainty, risk and tension in indefiniteness.

⁶² The Self is indefiniteness.

It is composed phenomenologically into form, by individuals who assign to it, in succession, potentiality, commitment, individuation, calling (appointment), posture and, eventually, engagement (*i.e.*, uncertainty, risk, and tension). As indefiniteness is composed into the Self, the actor will successively experience guilt, shame and anxiety.

At the origin, these are maximally separated into a unique and exclusive "I" (Self) and "It" (Other).

The origin of the time cone is the point of maximum control:

The residual uncertainty, risk, and tension are here pumped into the past.

Residual indefiniteness is dumped OUTSIDE of the light cone, *i.e.*, the choice of separation banishes indefiniteness into other "potential" worlds.

The Self is a space-time traveler.

The niche of the Itinerant Self is a bubble in telic space-time.

This bubble is at the extended origin of the light cone; its extent is the *species (indexical) I*.

It's actions (time travel) convert indefiniteness into form and back into indefiniteness.

It experiences the conversion as the deformation of its own boundary, *i.e.*, uncertainty, risk and tension.

The history of the Self is represented by a swath of uncertainty, risk and tension in indefiniteness.