

Meliphsis

As being under his precepts goes beyond all concepts
so meliphsis under his precepts transforms & purifies all other knowledge

under his - others far less limited to a particular field
ontology " apart from limitation

precepts - same as ep / ep & ep
together

transforms - eliminates contradictions → coherence

purifies - brings about together → // what about? being
// does it know? understanding, object
// what can it say?
while - w/out without parts are independent of parts
yet distinct via unity & transformation & unity

3 steps - latent - a man has a simple mind - a drive for coherence

problematic - you coherence is attained, unity

explicit - being → seem to be latitudinal
→ purposeful

conception of formation implementation of integrated heuristic
structure of progress towards being

heuristic structure - when defined not via content but act
nature: what is to be known by understanding

structure - related set of relations

integral - related set of all heuristic activities

integral heuristic structure

as heuristic underlies & penetrates all other knowledge

as dialectical transforms

as integral unites

progressive - heuristic structures have to be discovered, tested,

nuanced - not all equally certain

factual - regards this world - science remains as partial
meliphsis then purification

dependence on its own terms - w/out conclusions or premises
effect on cause

stable - qualitative change but form or matter
heuristic activity, do not change in science, but cause change in sense as

being as explained - heuristic

Aristotle's categories

contains descriptive & explicit general mediated intellectual

Self Affirmation

General Beliefs

SA
Prin
Objectivity

counter positions

Anti-Physics
ethics
N.T.
History

1. Self Affirmation

A judgment - I am a knower

a knower - thing - unit

differentiated by

experience
intelligence
non-awareness



judgment if unconditioned

conditioned -

I am a knower

link -

fulfillment -

2. Consciousness

not a look

origin of operation, = look

we'll see about objectivity later



an awareness immanent in acts

seeing & hearing - differ as clear & sound

similar - both awareness

not deliberate

not attention - neither is it, acts like growth of word

not isolated for inspection

not understood function grasped in cognate process

not named

not distinguished

not pointed in certain judgment

not identical to cognitional act, other acts conscious

awareness of awareness of what

3 Empirical Intelligent Rational Consciousness

artefact in it design
 in design - group of the design not only understood
 but also understanding
 not only understanding
 but effort to understand - requiring
 reasons for that sort of thing
 group of the reasons of the reasons
yielding to the reasons
demand for reasons prior to yielding

do I suspect that intelligence is rational

no
 they design characters not of what proceeds
 but of the proceeding
 of the necessity of proceeding in a certain manner

R.C. | Astrology astronomy
 |chemy & chemistry
 |myth & history
 demand, deities?
 rational consciousness

I.e. | logical non-scientific
 puzzle to be pieced together
 scientific spirit
 spirit of jumping } also
 story of (Archimedes)
 (Eureka)

with Archimedes conscious of weight
 at home
 was looking for suspension
 to suspension
 no group of planes in cog. piece.
 knew something happened but he
 had worked very much
 that working = I.e.

Unity of consciousness

on side of agent

expressed
understood
formulated etc

on side of subject

unless same subject + expressing - no engaging
understanding - why to engage into

Unity of consciousness

justified - would have to be - hand
de facto given

given

not expected

with account is not given

offering the account - attitude about it not given

but fulfillment for conditions linked as conditional

RV = 64

reversal to source in mind

statements

judgments of fact

groups

understanding

unvisual experience

not descriptive

intended for describing

simple reversal

Am I a knower

is there something
intelligent
rational } in a myth

question of fact - each has to answer for himself
am I deaf? blind?

does weight mean anything - ^{Schindler's list} Did I weigh myself? did I eat?

am I reasonable Do I ask? Am I

Do I demand sufficient reason?

does 'I' mean anything } as many formulations
but prior to foundation

Logical Ontology

if I am not, then I do not know it

only cause when } not a cause explained ideas of skeptic
but the scheme unworkable of
eg explanation of brain

fully skeptic involves contradiction

assertions about the reasonable
asserted about the intelligible
to not a det

Impossibility of grasping

experience

aspiration

understanding / with content in circles
possibilities / with content in myth

put a knower at least not a reasonable
about it

No prior foundation

① why seek a foundation?

② is reason for demand for sufficient reason

is question about questioning

spontaneously, effectively, and economically. Therefore the conjugate forms are to be known by understanding this flexible circle of ranges of schemes

Impossibility of revision

would suggest a reviser

would be agreed to take
note the inadequacy
of the revision

if not, no revision
if so, no revision

∴ initial is any possible judgment of fact.
hence no factual objections

Being objective of pure desire to know

desire \rightarrow manifested in \rightarrow intellectual reflection

with the utterance

formulation \rightarrow insight

pure \rightarrow reflection group

inquiring scientific spirit of man

\rightarrow includes complementary nature

pure

detached disinterested impartial

pulls out of routine

formulation of problems

algebra from empirical

conquered by theory

to know

as pure desire - for satisfaction of curiosity

as pure desire \rightarrow serves intellectual understanding for correct content

objective

one invariant matter \rightarrow may transcend spirit

Answer pg.

2nd order

1) all that is known

2) all that is to be known

all-inclusive \rightarrow universal \rightarrow concrete

No further \rightarrow about anything

unrestricted \rightarrow no restrictions at sufficient reason \rightarrow suff. reason bears on what we can know not on what we do know

might we bring in something outside all that is known?

one would like to know \therefore aim desire

Principles

Rate form

Arabic form or form number

Key chart early of a name

Section minimal phonetic content -

Cyber early to variable content

Spencer stability - universals - summary

phonological system C & II 83 #31

wholistic design

create participations of external light

Hybrid

minimal content - w/ rapid simplicity - ∴ stability

Objectivity

Principal Notion

contextual

not found in a) experience b) normativity c) single judgment

validity \equiv validity of compound judgments

∴ implicit definition

possibility ∴ implicit definition

connection to being - divided from within

nothing stands outside being
looks at

transcendence - not from knowing known to knowing the

but from desire to being
+ within being subject
object

Absolute Aspect

virtually unconditional

withdrawn from relativity to subject / absolute / any place
any time

ground of publicity of knowledge

principles of identity or non-contradiction

pertains to single judgments as single

contrast / absolute by itself
invariance

no implication of absolute space, time

"is" of "is in space" "is in time" "space is in space"

invariance of imagination

Normative

pure desire / vs negative determination

vs interference of other desires

dynamic orientation depends to own legislation

don't know explanation prior to drawing / yet you can

truth prior to judgment / recognize it
when you reach

grounds all laws + method

not theory-aided decision / Method / transcendent

eg. identity contradiction excluded middle

syllogism as occurs, as wisdom

classical, statistical method

Experimental Objectivity

data as given

necessary suggestion of all enquiry

unquestionable & undistorted because independent of eg. etc.
residual diffuse - distinction & relation suggests insight

generally valid in all its parts

differently significant in different parts

enquiry into music streams \rightarrow physics
psychology

given \equiv very broad

involves no thing of stream of consciousness

found extraneously - by presupposition of free choice

objectivity derived from free choice

Satisfies common sense procedures

Maximal - free what \rightarrow objectivity?

if answer intelligent & reasonable \rightarrow normative

if absolute \rightarrow experimental

if definitive answer \rightarrow absolute

if many answers \rightarrow principal

Asks no questions

if many judgments \rightarrow principal

if only one \rightarrow absolute \rightarrow normative

if none \rightarrow relativism

only if enquiry & intelligence, reflection & conclusions have

nothing to do is objectivity is our answer invalidated

\rightarrow then question of objectivity does not arise.

Dialectic of Philosophy

objectivity	extremism
needs	intellectual rejection
of knowledge	demands our knowledge
	univision of being
	essential subject - what is there is to give you by to ask any questions
	in a manner

not conflicting propositions, logical alternatives, but opposition of real tendencies
our position: intellectual pattern of experience

not born in it	at other times - opposite taken / granted
not reached easily	
not long maintained	

fundamental philosophic fact: polymorphic consciousness | real knowledge
grounding oppositions on objectivity

philosophic process - intellectual consciousness

unity of philosophic development	positive contributions - positions	single goal for critical investigation
	inverse " - counter-positions	

laws | positions invite development - further go
e-p invite reversal - contradict internal claim of phil. process
intellectual & historical

Descartes captis
no extensa - extremism bubbles through Kant

Opposition - is equational theory so basic

1 Screw tape - illustrates - patterns of experience

intellectual
 practical
 dramatic ← asymmetric
 aesthetic
 Biological

Fundamental problem of philosophy

4 - you are engaged in phil
 aspects of phil judgment
 of intellectual pattern
 you are not engaged in phil
 aspects of phil judgment
 of non intellectual pattern

2

intellectual pattern necessary
 common sense
 science
 ethics
 religion

3. explicit distinction of patterns necessary
 in philosophy

5 Observe the significant fact

significance added by insight
 insights accumulate

fact - judgment - no further insights relevant

potency
 form
 act

6 Observe truth - Augustin

1 sense - sense

2 real - given ^{2a outward} sensation → positivism - intellectual moral
 2b inward - skepticism, phenomenology, modernism

3a given things - materialism

3b imagined things - scientific materialism

Characteristics of Statistical Science

1. Events
2. Not processes — unsystematic factors
3. Observable event
4. Formal opposition between General Relativity and Quantum M
no contradiction
5. Observable events defined by chemical conjugate
6. No picture concerning image of what
is too small to be observed
Causes of possibility
A. no picture of universe
B. vs Galileo — has to recognize primary qualities
7. Uncertainty principle
8. Neither determinism, nor indeterminism

Complementarity $\begin{cases} \text{d in knowing} \\ \text{p in knowing} \\ \text{y clarifying contrasts} \end{cases}$

Arist
Saunders
Darwin
Tenderness

d in knowing

1 in descriptive anticipation $\begin{cases} \text{sys} \\ \text{non-sys} \end{cases} \rightarrow \text{Empirical situation} \\ \text{but hypoth} \rightarrow \text{verification}$

2 as procedures $\begin{cases} \text{physical exclusion} \rightarrow \text{book, etc.} \\ \text{mental exclusion} \end{cases}$
Boyle Charles Lyell-Lussac
errors
model \rightarrow essential forms
usually QM \rightarrow neo-classical

3 in formulation $\begin{cases} \text{of conjugates verified in world} \\ \text{events depend by conjugates} \end{cases}$
other things being equal - if any suitable diverging series of conditions
significant statistical but - only in classically dependent terms

4 in modes of abstraction $\begin{cases} \text{classical} \rightarrow \text{rigorous} \\ \text{statistical} \rightarrow \text{ideal frequency} \\ \text{of systematic in its way} \\ \text{as setting a limit} \\ \text{equivalence} \\ \text{between} \end{cases}$

5 in verification $\begin{cases} \text{classical preclude statistical} \\ \text{statistical, no statistical aspirations} \end{cases}$ replaced by P, Q may if systematic divergence preclude
exact predictions; schemes; classical but
and classical \rightarrow general process Nature

6 domains of both similar
place, time, frequency / how often laws?
statistical systems numbers distributions etc.

Complementarity ϕ is like known \rightarrow world-view

- I
1. invariant intelligibility { not divine providence
but that of p. laws - governance in form and
 2. generic
 3. relatively invariant
 4. not relatively invariant
 5. incomplete - in things
 6. not deductive - by insight

- II
1. scheme - divergent series brought to heel
 $A, B; B, C; C, \dots A$
 any degree of complexity any number of terms
 alternative routes
 compound interdependent elements
 dependent events
 planetary system; water; nitrogen; economics
 chem explosion \leftrightarrow financial equilibrium
 health; balance of life in prod; classical economics

conditioned parts - parts of chemicals, plants, behaviors, ecosystems

actual series - probable ranging - possible any start any path.

2. probability of scheme = prior probability of set of events
 prior to conditions fulfilled $p \cdot q$
 once fulfilled $p + q + 1 - \dots$
 once it occurs.

3. implications

partial concentrations
 absolute numbers - return man to stable center
 long intervals
 selection
 stability
 development calculus \rightarrow universe

Similarity

1 moment intelligibility
 three square spots
 relation within elements
 non-imaginable pts - vacuum

difference

imagination - experiment
 continuous - discontinuous
 access-impose - possibility
 adapting images - resistant data
 inner circuit - outer circuit
 heuristic structure - Eureka [root of class]
 pilot instance - $x = x/2 + 15 = 16 \frac{1}{2}$

unknown
 properties
 might - equation
 reaction

name for particular "nature"

properties - similar similarity understood - possible classification based in similar
 { stability dynamics
 equilibrium stability - relations of things to one another - movement

new name [unspecified correlation
 L indeterminate function

properties of functions - differential equations

$$\frac{\partial(pu)}{\partial x} + \frac{\partial(pv)}{\partial y} + \frac{\partial(pw)}{\partial z} = -\frac{\partial p}{\partial t}$$

one direction

irreversible

homogeneous

$$v = \frac{\partial \phi}{\partial x}$$

constant

$$\frac{\partial^2 \phi}{\partial x^2} + \dots = 0$$

0 Laplace

no infinity of explanations
 Newtonian relativity
 special relativity

equivalence - to an author

Toronto, Ontario

A. J. Flannigan
 MANAGER

133 LOCKSLEY AVENUE

Jewellery - Precious Metal Trays - Novelty

Borothen Specialty Manufacturers

classical \rightarrow statistical - gives insight

systematic - data, subject to laws, relations between them, law governing relations

non-systematic - data, relations, but no law

e.g. throwing dice

actual frequency

probability - an ideal proper fraction for which actual frequency does not systematically differ

not dependent on probability judgment
not a math. limit

equiprobability - no systematic process

reduction to equiprobability - Newton's process

hyper-geometric process

$$P = \binom{n}{r} p^r (1-p)^{n-r}$$

no reduction to equiprobability

1. not one function for all data - series of eigenfunctions + eigenvalues

2. not differential but operator equation

$$P \psi_n = p_n \psi_n$$

3. connected to ψ_n there is ϕ which connects probabilities of p_n

$$\bar{p} = \frac{\int \phi^2 \phi dt}{\int \phi^2 dt}$$

Two types of insight

Two types of heuristic structure

These types of insight are deduced from insight illustrated by contemporary physics

Not practical methodology but understanding it in terms of insight

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Cam of Review

Scientist was found - value of review

(following)

These 3 pp. upside down

- any significance?

Frank Bravis thinks not.

They were turned, in order to read back right side up

F=C

May 12/88

development in three other mission territories.

Under present set-up, we try to help in community

Brother Olivier S.S. 1963-70.

Brother Kara S.S. 1964-70

Fr. M. Maurice, S.S. 2. 1963-70.

Fr. P. Brown, S.S. 1959-63.

Fr. J. MeKey, S.S. 1954-59.

Fr. E. O'Flaherty, S.S. 1950-54.

Fr. O. Labelle, S.S. - 1942-50.

Recent Missionaries - Fr. A. Holland, S.S. - 1937-42.

labour in first year.

Leaders - Development of craft work - \$5,000.00 paid in

Junior Indian Councils - new project to train future Indian

and tourist accommodations.

made grants in 1963-70 of \$55,600.00 to construct camping

Ontario Government through Family & Social Services have

greatest tourist attractions of the north.

The development of Mt. McKay will make it one of the

Ski Club by the Indian Band.

Causes of Relevance

a Scientist uses final - value of science
method } - technological transform function
instrumental }
efficient - operations

b on the periphery - applied science

c ~~immediate~~ intelligibility inherent in immediate data of sense

d same data → different understanding

e find etc → off to other data

f circle Galileo Kepler Newton

g relations, not to one sense
but to one another (movement)

h not merely but possibility - not any poss. but realiz
as group of intell - science
as verified - empirical

i formal cause
not "formal logic"
not "such as to..."
but wrought with data -

Can Psychology

Scientist can affirm only what he verifies

verification is of propositions - propositions state relations $\left\{ \begin{array}{l} \text{to one another} \\ \text{to one another} \end{array} \right.$

Relations \rightarrow Terms \equiv conjuncts

α' experiential - red
hot
heavy

β' explanatory - implicitly contained in verified correlations

eg. Most
dent
 $\frac{E}{H}$
chemical elements
in logs

if relations, then what they implicitly contain
 γ' sup number of things - later
eg. events : conjuncts :: pp. reflect : pp. of int.

Causes of Complete Explanation

d. implicit in selection & questions

f. particularly relevant in xx

Qualia | secondary - explained away
 primary - unexplained

extensional | 1° + permutational | conjunctive
 derivations | 2° explanatory

local treatment | as needed to answer | a. topological
 | | b. pts in part - outside of them
 | |
 | | to one another - invariance

y add preliminary

q: question of secondary - unverifiable

q: affirmation of primary - extra-scientific

q. Euclidean if verified

small ball / if verified

cannot be

Problem

Is probability a cloak for ignorance?

Einstein withdrew from modern physics once

Q.M.

Classification of abstract vs Concrete

If probability, how exact prediction

Can general character of stat. be deduced from Insight

1. Insight Maths

definitions
H.v.
Durum

2. Heuristic

→ systematic
→ un-systematic

3. Canons.

Cause of Statistical Residuals

Not all explainable by classical laws

field for stat. - not mere dead ignorance

Basic dichotomy

data determinate

relations "

sequence of relations $\left\{ \begin{array}{l} \rightarrow \text{systematic} \\ \rightarrow \text{non-systematic} \end{array} \right.$

Classical - anticipation of system

system abstract

applications

general \rightarrow particular

variable \rightarrow numerical

from concrete instances

system abstract even when all laws known

application \neq further determinations

\neq not systematically related to one another

\therefore exists manifold of non-syst. related determinations
in transition from abstr. to concr.

6.7 Abstraction

Two notions

- α impoverishing : what is common to "red" "man"
- β enriching : what is known by understanding "red" "man"

of sense data A, B, C --

impoverished replicas

a	a'	a''
b	b'	b''
c	c'	c''

if classical level then a' b c' correlated
 ∴ A, B, C.

if statistical level a' b c' not correlated
 ∴ ABC not correlated

no room in sense data for both classical & statistical

↓ enriching

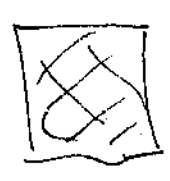
anticipation

weight-

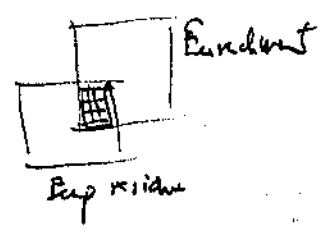
formulation

→ essential significant relevant important idea form
 → accidental insignificant irrelevant negligible

field of abstract not continuous is concrete from
 goes beyond it & sends part



Impoverish twin



Enriching

6.3 Abstractness of Classical Expts

Anticipation | design & procedure
add in accord to relevance
universal: similar similarly understood

Experimental technique p 54

lab conditions
pure materials
exact instruments
measurements
allowance, extraneous factors

defined
scholarly structure
pub. man

Formulation

not part but general
not generalized data but generalized concl. of out.
law: that, all things considered, is simplest possibility

Verification

not any isolated instance
but mass of div. + ind.
∴ abstract form.

open
verified \rightarrow ^{sent} revised
repeated

Simply cl. laws abstract

Together connect - sun path, air resistance, ^{history and etc} friction

Together in two manners

1° systematic justification - [Newton deriving Kepler's laws
Riemann - all particles in $d_0^2 =$
independent synthesis] → [Ptolemy
Copernicus
Kepler]

2° inductive synthesis 1) not per se

supports factual observations

2) full knowledge of all laws does not

logically contain full knowledge of all facts

3° when laws combined

eg. 3-body problem: involved in formal case
[special approximations
approximations, ~~trans~~
true answer]

4° de facto - our primitive statistical techniques / ^{numbers} ~~two~~ ^{advanced}
development

How can there be exact predictions

— 43rd of act originating

A. General Case

B. Specific Case

<u>General</u>	Z	if	PQR...
			UVW...
	P	if	ABC
			GHI

diverging series of conditions

scatter in space & time

with whole of history from one world situation

but ultimately one event from world situation

in general patterns of diverging series un-systematic

how many ways to show "five"

how many ways to have $\phi = 4$

in particular scheme of recurrence

A set of laws

B situation

and that prior events played conditions for later events in perpetual circle

provided within universe

but no scheme of schemes

α no determinate synthesis

β two generations for scheme of schemes

γ in any case - statistics relevant to occurrence

conjunction of laws
 $\phi = 4$ can
 provide 50m
 per

Causes of Operations

- 1° Cumulative Expansion - circuit
- 2° Construction - understand what you can make
- 3° Analysis - understand mental construction
- 4° Cumulative Verification
- 5° Invariant Abstract Observations
- 6° Systematization
- 7° Higher Viewpoints

For in man there is the unity in tension of opposed principles