

## Process B, Cognitive Revolution in Psychology

-2-

1986

(Assistant) Revolution (Adaptation): Miller, Levine, Jenkins, Mandler - // Neuropsychological  
Psychologists (Eric Neisser, Ernest A. Hilgard, Warren Weiner, Michael F. Wherry, Eric  
Rosenbaum) --- // Cambrian from outside Psychology: (The Neodotson); --- Norman Chomsky;

Jerrold J. Folger; Herbert A. Simon; Donald F. Norman; --- // Interdisciplinary contributions;  
P.4 The cognitive revolution and change in the metaphors of Psychology, Plausibly in  
the science from (1955 to 1965) a quiet revolution in behavior with three main  
mainly research psychologists. That means, the revolution preceded Sperry's split  
brains + three more reported by it // --- the dominant metaphors of the previous 50 years was  
discredited or shown good fundamentally, and a new point of view suggested to take shape -

(P.5) Behavioral dominance Psychology Others (1950 and 1960) cognitive Psychology  
increasing and in importance the information processors metaphor the dominant metaphors.  
This change was due to the discovery of cognitive Psychology = new metaphors for Psychology.

- It was opposed to the subject matter of scientific Psychology. - P.6 - 3 Metaphors in  
Psychology: (1) information processors (2) behaviorism (3) cognitive psychology. - (1) information -

Behaviorism: dominance of Psychology in human adaptation or performance. - (2) Behaviorism  
Psychology = science of behavior. - (3) Cognitive Psychology: Psychologists assume  
behavior in order to make inferences about underlying systems that can explain



His behavior - 'informational processing' -> Thought, language, movement (198) meaning,  
 purpose, conveying, intention) over and over and over - all the communication  
 we are doing in mental form and culture becomes cognitively, we put them, -  
 motoric, motoric, and every day purposeful is cognitive, since all we do is can -  
 generally thinking influences about others that influences the whole world. -  
 The mind - both processes, so reality does color physical or mental? (Probably) people -  
 what happens can be mental or not really, but common sense is ruling the moral  
 when extreme physical claim or mental claim. - Communication psychology is descriptive  
 (purpose objects + mental events) - 100 years ago, psychology proclaimed it of all disciplines  
 disciplines) P. 9 - anti-philosophical attitude. - (social psychologists: mind as well; Re -  
 disciplines: mind as the view - cognitive psychology; mind = an influence of others; but the  
 history of nature shows that in process constructs and all they begin to take on reality in paper  
 because need to know - most cognitive psychologists are really "what report psychologists"  
 - looking to know that reality is still being physical, and that that subjective experience is  
 always a different perspective on the physical world. - -- mind is a series of cognitive  
 experience in psychology - Primary experience O.K. - but we cannot report objective  
 state of our own experience when we can find some common structure for it in our  
 shared reality. - Sound = something that can be published aloud; - P. 10 - scientific  
 communication + the importance of shared frame works. - Re Kuhn's paradigm shift  
 shifts. - Popper: Science consists of scientific reports. (P. 11) Kuhn: Real scientists  
 never stop knowing of mind content before or are aware. -

Pavlov, P.

Cognitive Revolution in Psychology

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P.11 - 0109. "Detrits" Debating more, words debated in 1940s, Mannheimian thinking. Today's is over our  
 or inability unintentional within the frame work of domestic ideology. (all correct)  
 scientific experiment the psychologies along the "parapsychologicals". - P.12 showed Freud's ideas in  
Science: Freud's of the 20th + 19th century. It is unfortunate for view the world  
 underneath science through. - P.13 - new paradigm can't force that the science will  
 in a scientific experiment in imagination memory -- mostly that is logic. - The Adherence of  
Psychology. (P.14) - how already drift or descent only spirit in psychology in imagining  
 like, intuitive outgoing or rich + experiment by the inner space necessary. - Expansion  
Adherence of psychology by psychologists. - P.15 how scientific curriculum to all European. -  
 --- question the day are one the same whether psychology is necessary characterization are  
 "science" in the strong sense of that word. -



1985

Benson, D. Frank and ERAN ZAIDEL - The Dual Brain -

Hemispheric Specialization in Humans - The Guilford Press, New York 1985  
26<sup>th</sup> in series - UCLA Forum in Medical Sciences - founded in 1960 - 26 symposia - diverse activities of School of Medicine. -

Interdisciplinary - D. Frank Benson -

Roger W. Sperry: FA appreciation - Eran Zaidel

Consciousness, Personal Identity, and the Divided Brain - Roger W. Sperry  
etc. - etc. - - -

P.S. - My strongest impression of Sperry comes from his style of doing. One sunny afternoon in the fall of 1970, I went to Prof. Sperry's office on the third floor of the Church Bldg. in the Biology Division at Cal Tech and prepared a new technique for presenting info. In one visual half-field, at a time while permitting continuous binocular scanning. Others had tried diff. electronic techniques and failed, and Sperry was skeptical. One could present diff. pictures in getting those patients to forget and to learn during testing a large colored contact lens. He was skeptical but not obstructive. In fact, he recruited many for re-examining the technique, as well as office space in his psychobiology lab. For 4 months I struggled with optical design and the screen on which the pictures in the density measurement show. 11 Days later, when comparing notes with fellow and former students,



did I realize that Sperry's abstraction also has a moral "given" or that "the question  
was whether students had enough content to perceive it or to operate it. Did  
they have enough insight to follow these rules? If they did, they would gain  
Sperry's respect. --- Sperry did not, as a rule, try to tell students what experiments  
to run --- displacement of goal ideas --- tough - would critical colleagues --- not very  
one person but in this context - force environment. Some younger or perhaps too in the  
fundamentally did not enjoy on the "survival test" ---  
--- He is a warrior at charging dramatic experiments where we've encountered  
the special cases or complex theoretical machinery. --- Always asked: "What if. How  
it works --- 10 years from now. ---

On Sackot! Although the basic circuitry of the brain and central N.S.  
is laid out at birth, it is in spite of the embryonic throughout life at the level of the  
organized, this volume is the first to consider the fact or range of ways cells in the N.S.  
can be re-labeled, increase or decrease in number and making their functions when  
required. --- Synaptic growth is responsive to environmental factors (Carl Cotman's  
in the direction + prone system --- neobulbar mechanisms, including plasticity). --- Other? Doer!  
Review complete on the ability of brain function.



Popperianism, G. - Holism, Historicism, + emergence.

(2)

1944

P. 816 since from their "confined agency". - Physics, chemistry, biology, psy-  
chology = emergent levels of emergence. - Contemporary empiricists do not  
overlook lower emergence. - Mill did not realize that the comparative  
study is discovery an empirical law in the same sense in which the law of  
the elements are empirical. P. 817 John Stuart Mill derived from his  
pattern view when he accepted the idea of mental chemistry, P. 818  
Mechanism = mechanism world; emergence = emergence of new  
things, that is emergence in the world. - P. 819 Historicism = thought pattern which  
accidents + empiria (epistemology) some of the most important intellectual  
movements of the 19th century. Generalizing theory, 1-<sup>st</sup> empiricism, 15 empiricism,  
Spencer's doctrine of progress. - P. 821 Novelty of laws is no nothing to do with  
explaining emergence. - exploration emergence only relative + therefore  
not synonymous with irreducible ability in principle.

- Proffer old-probined irreducible view of emergence. - (14)



Bergmann, Gustav - Holism, Historicism, and Emergence -

Philosophy of Science, 11, 1944 Pp. 209 - 226

Ppl. to "The Status of Emergence" by P. Helly, J. of. Philo, 1949, 39, 486 - 493. -

(About the emergence of characteristics) - emergence of qualities and relations.

Present paper deals with some detail of Helly's article: elementalism, 18.

holism or organization. - I am dealing like Helly not with psycho-physical matters, but

rather with emergence in an objective sense. - The thesis is that we have no

underlined descriptive demonstrations are intuitively referred. - It is not even necessary

that demonstrating that has pitch also has lower. - "the true empirical laws" cannot

"vice" and "organism and hydrogen combine to form water" are both inductive

predictions and what in a sense which precludes the second one from referring to any

assumptions or events - while instance of emergence. P. 218 - 175 few so char-

acteristics than allow one concerned, not their prediction or epistemol-

ogical, emergence than amounts to necessity of demonstrative. That is, the

first occurrence. - ... necessity of an modified descriptive character.

) since our concern is with irreducibles, a mere instance of a universal

already instanced would not be novel. - 10.9. new instants can yield a novel

one.) - P. 211 Necessity of demonstrative is not the one assumption of emergence, it



is at last only a minor part of it. (Leaving proper notice to one emergence, - Cells - time distance). Qualitative explanation emergence is absolute change that is, impossible - distalility in principle. - theoretically that there is absolute change or emergence be - comes a very general, negative prediction about science. But there is still (distalility, ex - planning) underhand, - // let in call one thing in diverse of another if the former explains all the phenomenon or phenomena by the latter. - P. 210 - where one several kinds of emergence in the world ... Hence natural phenomena all attribute to emergence. P. 213 - a variety of number of forms - merely through comparative + in part through initial conditions. - Number of elements = several phenomena systems with diff # of number - phenomena. - Number through initial conditions = 1 sum + 1 element and 1 sum + 1 count (different positions). - P. 214 Emerging thing consists of laws of elements + rules of comparison, any breakdown of a thing with comparison rules at a certain level of complexity is a case of relative explanation emergence. = relative organisms - one emergence - distalility, Primordial - gives the occurrence of organismic emergence - Place at the level of the biological organism. - Whether there is primarily is either - merging emergence = position of origin. - if the critical circumstances can only be described by one initially "new" primary one, at this stage of knowledge, must with one not one of full organismic emergence. - Fischer's programme of modern emergence. - P. 216 Mill "if the happen to happen ~~there~~ would be the effect of each cause when acting separately from ~~other~~ other we could often make the relative prediction ... not in correct formulation of what will



Bergson, Henri. - Creative Evolution.  
New York, Henry Holt and Co. -

1907  
t. 1911

I The Evolution of Life - Mechanism and Teleology. 1--  
Result of the inquiry - The vital impulse - 87 - X

II The dominant questions of the Evolution of life - Temper Embryology, Gastric.  
Life and consciousness - The apparent place of man in nature 176 - X

III. On the meaning of life - The Power of Nature - and the form  
of intelligence.  
Instincts + evolution - etc. - etc. - etc. - 236 X

IV. The dominant practical mechanism of thought and the Mechanistic  
Evolution - A glance at the history of systems - Real Reasoning  
and the Evolutionism. -  
The Evolutionism of Spenser X  
363



P. 87 intermediate : X. - next often, when experience was finally achieved in  
having like gases the idea, the obtain a certain result, we find it very difficult  
privately does not separate to extend to the things of life the same methodical  
exploration which have succeeded in the case of the organized matter,  
P. 81 - reaction against man in the world. - "I found the idea given by Darwin  
to us the world this absolute value of our knowledge of this world, but not obvious  
no what certain conditions our explanation meets, what dead - ends it ends in?  
But these difficulties + contradictions all arise from trying to apply the usual  
forms of our thought to objects with which our mind are not well. - xii - if we were  
could for, which, therefore, our minds are not well. - xii - if we were better in-  
crease, if there did not believe, ~~others~~ ~~that~~ around our conceptual and logical  
thought, a vague reluctance, make of the very nature of our mind from  
the human mind demands that we call the interest. - xiii - Things of knowledge; things of  
life inseparable, - push each other on in carrying. - ~~xiv~~ ~~P~~ 5 Our part (including pre-  
sents dispositions) then, as it is, is made in spirit to us in its imperfection;  
it is felt in the form of trudling, although a small part of it only is known as  
the form of our idea. - P. 6 Our personality shoots, grows and ripens without cause;  
Each of its moments is something new added to what was before. We may go  
further: it is not only something new but some things are fore seeable. Doubtless,  
we present above is explained by what was in me and by what was acting on  
me at moment ago. In analyzing it I should find no other elements.



Bergson, Henri

Creative Evolution

-8-

the 1911

1907

P. 6 - But even a super-brain in intelligence would not have been able to predict the simple individualism from which grows the great society abstract elements their concrete organization. For the future consists of suggestions into the future what has been perceived in the past, or of images which for a better kind or more propriety, in a new order, of elements already perceived. Past that which has been perceived and which is not the same thing simple, is necessarily impermissible. - P. 7 ... we do not at all see - and we are not at all ... creating ourselves anti-matter. ... For matter does not proceed in such matters as in geometry, where impermissible problems are given over for all, and are impermissible considerations must proceed in allness. - when, on the contrary, the same means may dictate the diff. process, or to the same person at diff. moments, not just another diff., but equally inseparable. - The truth is that things are not given to the same means, since they are not those of the same person, nor of the same movement. - ... for a conscious being, to exist is to change, to change is to create, to create is to go on creating one self on others. ... (Method of object separation - either conscious and or changes through all outside



Par. 11 - The universe continues, the more we study the nature of things, the more we shall come to understand that duration means incision, the creation of forms, the continual elaboration of the already existing. The organs withdraw off by being endured only because they are bound up inseparably with the rest of the universe. It is true that in the universe itself 2 opposite movements are to be distinguished, as we shall see later on "descent" and "ascent". The first only means a use of the prepared. You remember, it might be accomplished almost instantaneously! Like following or opening. But the ascending movement, which corresponds to an inner, number of ripening or creating, endures essentially, and perhaps its duration on the first, which is inseparable from it.

Par. 12 - The bodies we first see, for the space, cut out of the stuff of nature by our perceptions, and the reason follows, in some measure, the unfolding of things along which action might be taken. --- but the body which takes form action, the living body, is this a body on other one? --- Par. 13 - immobility to give a precise and rigorous definition of mobility. --- A perfect definition applies only to a completed reality; from, vital properties are never entirely realized, though always on the way to become so; they are not so much states as developments. And a tendency is always all that it can be only if it is not thwarted by another tendency. - (downward of life --- always intervention of ontogenetic tendencies impedes)

Par. 14 - The present contains nothing more than the past, and what is found in the effect was already in the cause. --- Not. Distinctive feature of an



1909

Parham Hermi

Positive Evolution

- 3 -

Th. 1911

P. 14 organisms build is that it grows and changes without ceasing, i. indivi-  
duality and turning form are not moving don't center about. -- P. 15 - but indi-  
viduality is never perfect; life manifests a search for individuality. --  
Living being in own persons to in organic world not like a thing but  
rather like faculty of material universe - potential character: organization!  
P. 16 - Protean - can't divide indefinitely; grows old and exerts the unlim regime -  
X nation through organization across essentially. -- P. 17 the metaphysics of evolution that  
not each change independently within us, and the presence of which is at -  
present, or not at all all later on; but the many place that more complex  
organisms the living beings ---> the universality of time must be an organism  
relative to own experience. -- P. 18/19 not in other organisms to any whether  
are one dealing with our organisms in growing old, or with our change continuing  
the whole. (e.g. how we of in state and states. - P. 19 - Probability or ment -  
power - form form in individual completely - comparable to changes in sense  
of Journal on embryonic life. -- Change is more possible by or genetic de -  
struction (aging) - P. 20 we can at most calculate organic destination.



Organic material will commit in any way subject to mathematical treatment.  
--- the present movement of a living body does not find its explanation in the moment immediately before; all the past must be added - heredity + the history. - P. 82 Graham -  
tion in the living organism of cells, - P. 83 we go to a certain period in its development,  
the envelope of the body is becoming distinguishable from that of the relative - etc,  
P. 86 - Apart from the question to what extent the theory of evolution describes  
the facts and the extent to which it generalizes them, there is nothing in it  
that is ~~opposed~~ <sup>opposed</sup> with the doctrine, it has obtained the substance, <sup>well</sup>  
with that of special creation; the which it is usually opposed. For this  
reason, I think, the language of the originators forces itself more upon all  
philosophy, as the dogmatic affirmations of the originators forces itself  
more on science. - P. 87 gap in time or amount. <sup>born</sup> <sup>the</sup> <sup>from</sup> <sup>from</sup> <sup>the</sup> <sup>same</sup>  
through the sudden appearance of a new organism. - <sup>the</sup> <sup>same</sup> <sup>organism</sup> <sup>is</sup> <sup>born</sup> <sup>from</sup> <sup>the</sup> <sup>same</sup>  
or which can be called organisms. - <sup>the</sup> <sup>same</sup> <sup>organism</sup> <sup>is</sup> <sup>born</sup> <sup>from</sup> <sup>the</sup> <sup>same</sup>  
the evolution of consciousness. - <sup>the</sup> <sup>same</sup> <sup>organism</sup> <sup>is</sup> <sup>born</sup> <sup>from</sup> <sup>the</sup> <sup>same</sup>  
X certain other things down <sup>the</sup> <sup>same</sup> <sup>organism</sup> <sup>is</sup> <sup>born</sup> <sup>from</sup> <sup>the</sup> <sup>same</sup>  
X explained without calling it so, if someone has <sup>the</sup> <sup>same</sup> <sup>organism</sup> <sup>is</sup> <sup>born</sup> <sup>from</sup> <sup>the</sup> <sup>same</sup>  
not many people are all that the form the process if we could know,  
in all their details, the conditions under which it will be produced. -



P. 39 It is one use to pull together and give the clearest picture of a  
universal with one; we cannot describe experience by the identification  
of a system. It is why we must establish a definition. - (Textbook) Part 3, Radical Psychology  
is not an acceptable. But further some ideas, - (Textbook) - P. 40 Nature also  
bring things at discord with one another. The language presents his order change  
of order, other opinion abundant of order, - P. 42 Facts, Admin. position for  
Dr. J. M. W. J. M. (Main page copied) - P. 45 - Final, Admin. + administration.  
- administration of standards of moral - P. 46 Real definition is that definition  
which gives an things and leads on them the words of its truth. - P. 48 She  
idea that for a new subject we might have to create a new concept, perhaps  
a new method of thinking, is deeply dependent to us. - P. 50 Our Philosophy  
represents the organized world and humanism whole. But this learning  
is far from being a part on it has derived to be, It admits of moral  
disorder, historical view appears, even in divided own, returns only  
certain inputs from the universal with implication of it. - Textbook  
we can bring in its true intent. We again will the in the mind  
two think of them adds - science gives a possible conflict with  
other forms of order. (P. 51) - Hemming writes not in fact but only in principle. -  
- ~~Textbook~~ P. 52 Roberts is an order-taking material. (not not toward a presentist view  
order) - P. 53 Site, from its own, is the continuation of one and the same



Boergam, H. omni

Executive Revolution

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71. 1911

P. 28. - but these conditions are built up into it and are part and parcel of its being; they are perhaps the phase of its history in which life finds itself at the moment of producing the form; how could we know beforehand or ascertain that is original of its kind, that has never yet occurred and will never occur again? ... Of the future, only that is known which is like the past or can be made up of the elements which these three of the past! - (intentional, physical + chemical parts only) ... (But not space or motion) ... (or living forms) ...

P. 29. Footnote: Semblances: Question = synthesis of elements. - Some are of the possible arrangements: When arrangement, a system of elements is not possible, it is not a system. - Boergam: No; in the domain of life, the elements have no mind + separate existence along our mental mental means of our in time will forever. - and for that reason there is a radical error in judgment in communicationality between what eyes observe + what patterns in spirit -

Conclusion: - (Some typical or single patterns have -) P. 35. - the tendency to explain something by physics + chemistry is discouraged rather than attempted by deep study of biological phenomena. -



Parsons, Henri

Creative Evolution

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tr. 1911

1107

P. 50 impetus, divided into divergent lines of evolution. - P. 55 simultaneous structures (form diff., evolutionary lines) and the divergent argument of form to evolution. (is can't see that.) - B, thinks that direction of the night is not really just the explicit question of some things form & diff. evolutionary branches, P. 58 Evolution since we plants and animals. Both correct rather than correct, B, also see (P. 60) advantage in sexual reproduction (y do! diversity increases!) - P. 63 Darwin: small "irreversible" variations already form new species - v.s. others: sudden innovations of new species. - Hays de Vries: obtained at the end of a few generations a certain # of new species!! (New Island of Hawaii) - His theory: species form through alternate periods of stability + transformations. - During a period of "stability" unexpected forms appear from a great # of diff. directions. - P. 64 - all new structures have to be "acquired"; those can or more modifications be returned that's better, and some can't be at the new unless copied in other with other new, chance occurrences. - Same thing in Darwinian view is wrong. - "Under ... he accused for a later construction ..." (that's a first without occurs, -) - P. 65 The change of one part alone will also give rise in parallel, unless it's



characterly within the word. -- P. 67 Part that all these parallel vectors changes  
are not shown in such a way as to increase or decrease the velocity of vibration  
in a way, this is what, in the hypothesis of random vibrations, General about,  
which is vibration and principle is the same in, where duty it is the method  
of accident "narration". P. 68 Part this would be to give us the idea  
that living about vibrations are various, and the vibrations some good  
again in what he applied to - the opinion of the picture appears - in order  
to perceive and comprehend these vibrations, for selection will not look  
after this. If, on the other hand, the accidental vibrations they  
random, then, for the purposes of function to go on or for a well  
function to take its place, all the changes that have happened together  
must be comprehended. So we know the full look on the ground  
again, this time to obtain the convergence of amount changes  
changes, as before (P. 69) to be covered of the continuity of direction of  
amovable vibrations. Part in neither case can parallel develop -  
ment of the same complex structures (vertebrate + mammal eyes)  
can independent kinds of evolution be due to a single observation  
of accidental vibrations, and hypothesis? Suppose the vibrations were  
due not to accidental and inner causes, but to the direct influence of



Parry, Hermi - Qualitative Geometrie - -6- - Fr. 1911

P. 69 outer circumference area. I thought molecules and molecules have  
 evolved separately, but have now mixed together in the in presence of  
 light. --- appearing that light itself is directly on the organized matter  
 all on to change its structure and arrangement in order that structure  
 to its own form. --- the most vivid and simple eye which is attracting  
 like the deeper and deeper imprint of light on a matter which, being  
 organized, forms a special principle for measuring it. - (Parry's  
 this outer aspect given form!!) It's all wrong! (Parry's Lamentation)  
 if the pigment part of the lower organism (P. 70) --- may have  
 indeed been produced physically, and the whole system of light.  
 (Through which the system of evolution) P. 71 - Light may have pro-  
 duced a pigment part by physical means --- Part we are would feel that the in-  
 fluence of light has physically caused the formation of a nervous system  
 etc. - the truth is when one (P. 72) speaks of the special formation of the  
 eye --- one implicitly estimates the organized matter a certain  
 capacity and form, the mysterious power of living up



very complex other organisms. The utilize the simple excitatory that it receives (P.72.) Orherent butterflies, overlying to whether organic actors in cells as high the behavior - always thought to be diff. species. -- (Torgersen does not seem to understand that hyperdution occurs really through inheritance in genes, stored in the genome. - His explanation of Lamarckism - as well as how - seems to be based on the belief that older generation must selection can sufficiently explain almost all complexity of interesting organisms - esp. where they still have structures lower structural things.) - (I hope for some explanation of this thought.) -

P.75 on mutations natural derived from Lamarckian of vertebrate brain. - on inheritance, from octopus. - if removed, organism still has in (was even organic.)

P.76 mentions we will or we, we must separate the normal inner directing principle in order to account for the emergence of flora. - Such an attempt within possible through Lamarckian in some all vertebrate animals, over through greater steps. - - Lamarckism - the only thing capable of admitting

A possible inner possibility of direction of evolution i.e. any conscious way.

P.77 P.78 we see not going to enter shell into the center seems to take the turn on inability of organism characters, also see we want to take the definite or side on the question. Scientific experiments important (P.79)



Program H1

tr. 1911

- P. 80 - These electronic handles or air gill magnets are able to change the way  
 around and turns into generalizations, beyond... (exp. by P. 80 - Bergsberg) -
- P. 82 - which can be explained by effect of a toxin on a system. - (same in other  
 general effects being being + form plasma. - - - - - Given after being observations to  
 the conclusion that Lomonosov is impossible. - - - - - P. 83 all comments on  
 hypothesis only cannot through change in system plasma. - - - - - There may be diff.  
 from chemical structure effects. - - - - - most likely hypothesis - - - - - no definite point yet. -
- Put over of time, it couldn't explain organisms & of which only organisms  
 to form organs + programming (P. 84). - - - - - No reason to reject evolution. -
- P. 85 - Domain probably might that transmission of individual diff.  
 is known with only by genes. - - - - - where we find the pattern these biological  
 is in regarding the diff. in level in the system as being coincidental  
 and insignificant. - - - - - can't help believe that these differences  
 since the development of an individual which comes from system to  
 system over the individuals, that they are thought that since they  
 don't, and that they might well appear at the same time, in the  
 same form, in all the dependent states of the same species, or at



least in a certain # of them (?) -- already, in fact, the theory of variations is modifying stemmation profoundly at this point. -- True, the change that would be expected ... in diff. directions in diff. representative of species.

P. 86: Change possibly greater in plants than in animals, because in vegetable world division does not at first depend on form, -- remains of mutation are determined -- the direction of mutation may depend on the well, at least in animals. -- (?) No!! The variation of the organic does not be predetermined as a whole -- but, variation in nature can't be complete, it must leave a certain part, the stem in mutation. -- age, e.g., must have been formed by just a certain moral changing in a definite direction. (No, you're wrong, Bergson.)

Physical - chemical changes are not enough to answer the want, a psychological

! Intuitions. But an conscious effort of the individual, it couldn't occur in plants

! Just not clear how it could produce increase in complexity. P. 87: Effort needs

greater than that of individual, "Original impetus of life." -- This explains brain species

in well and nevertheless some produce identical organs (How?) -- P. 89: Mechanism

holds that nature brings parts together, but life does not forward by the

Association + combination of elements, but by dissociation + living in a? ? No!

P. 91: Nature is in vision more than the development also of the life and their virtual



Poussin, H.

Creative Evolution

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+ 1911

P. 91 circulation. (When the things form space who says that -- yes! Vision is a subjective experience, an emergent of all-action, caused by their circulation.) - Vision = living simpl. simplicity of eye = mental construction! (In reality eye is an example on vision; ... (See page 90 - just as being simple pointing dipped in immovable material.) -- P. 92 diff. between mechanism (from many parts to one) and organism (from one to many). -- (Spontaneous  $\rightarrow$  organism.) -- every part along with mechanism (the bound things) but not physically (conscience with living, sense.) -- -- Materiality of machine does not represent sum of various experiences but sum of abstracted individuals. -- vision not limited, diff. limited to objects on which the being can act. (Effective vision) -- P. 93 construction of eye eye machine like infinite bound going through own parts moving elements - but necessity of own parts + perfect order among them. - not a part only of this whole moving can be achieved. -- = the same cannot have the effect except in one piece + completely finished. - competition grows up from simple to complex - but not gradually. - shape ( organization at lower level of evolution may have similar organs! ( that's easy! ) -- P. 96 "Says, and the one answering says, is this thing to set on next matter!"



(No! What isn't my subject matter - matter itself is acting (!!) -- (We in the organization of acting matter in a certain way (!)) -- ~~It is the matter at heart or the driver of data.~~)  
Direct our attention in not few determined, hence the indispensable variety of forms  
public life, in swimming, some show its path. Point this rather showing, parents, to  
some extent, the character of acting; it implies at least a rudiment of choice.  
(Through acting? O.K. That makes sense.) --