Phil 317: [handout #4] Kim: *Philosophy of Mind* Chapter 3

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I. Mind-Brain Correlations	
[The Mind-brain correlation thesis]:	For each type M of mental event that occurs to an organism o , there exists a brain state of kind B (M 's "neural correlate" or "substate") such that M occurs to o at time t if and only if B occurs to o at t .
Different explanations for the correlations between M and B]:	
1. one or two-directional causal relation (e.g. the low temperature causes the pond to freeze) ⇒ [Causal interactionism] (Descartes)	
2. parallel relation designed earlier (e.g. the clock-maker analogy) ⇒ [Preestablished harmony theory] (Leibniz)	
3. parallel relation arranged constant agent (e.g. the little man analogy ⇒ [Occasionalism] (Malebranch	
physical (e.g. the rise in tempera	l base structure which is neither mental nor sture and the rise in pressure of a gas are of molecules that make up the gas) Spinoza)
5. the base structure is simply the man phenomena (Ms) are the mere ef ⇒ [Epiphenomenalism] (T. H. H.	· · · ·
and the earth)	eg = the electric discharge involving clouds ody) identity theory] (J.J.C. Smart)
7. the correlation is a <i>brute fact</i> in the explained ⇒ [Emergentism] (Samuel Alexa	e history of evolution and cannot be further ander)

[Important Theories for Today]:		
 [A] Epiphenomenalism The view that every mental event is caused by a physical event in the brain, but mental events have no causal power of their own. ⇒ ontological monism 		
[B] The Mind-brain identity theory The view that mental states and events are nothing but the physical processes in the brain. [e.g. 'having a pain' and 'having one's C-fiber firing' are simply two terms that refer to the same phenomenon.]		
[C] Emergentism The view that when biological processes attain a certain level of complexity, a wholly new type of phenomenon such as consciousness emerges, and these emergent phenomena are not explainable in terms of the underlying physical/biological phenomena from which they emerge. ⇒ the explanatory gap		
II. The Mind-brain identity theory		
 [Armstrong's Argument for the identity theory]: 1. Our concept of pain = the concept of an internal state that is normally caused by tissue damage, and tissue damage typically causes such behaviors as winces and groans. 2. There is a type of internal state (such as C-fiber firing) that is normally caused by tissue damage and that in turn typically causes winces and groans. 3. Therefore, pain = that type of internal state such as C-fiber firing. 		
* Critique of the above argument?		
[Different senses of 'identity']		
1. identity means 'equality in magnitude or degree' e.g. That angle is identical to this angle.		
2. identity means 'being instances or tokens of the same type' e.g. These two are identical chairs.		
3. identity means 'one and the same' (numerical identity/strict identity) e.g. That Bill is the Bill who wrote music reviews for <i>City</i> . e.g. The morning star is (identical to) the evening star. e.g. Samuel Clement is (identical to) Mark Twain.		

e.g. Water is H_2O .

* Pain = C-fiber firing ___ 'identity' in the third sense? * For pain and C-fiber firing to be identical, the identity must pass the following __[The indiscernibility of identicals]: If X is identical with Y, X and Y share all their properties in common -- that is, for any property P, either both X and Y have P or both lack it. Q: Does 'Pain = C-fiber firing' satisfy the indiscernibility criterion? [Different senses of 'event'] 1. Events = basic concrete particulars of this world, individuated by their spatial and temporal locations. An event can have different properties (in Kim's words, it falls under a kind) depending on our descriptions of the event. e.g. my toothache ≠ your toothache e.g. my toothache at time $t_1 \neq my$ toothache at time t_2 Under this sense of 'event,' to say that 'my pain is my C-fiber firing' is to say that there is an event, e, that has both the property of being a pain and the property of being a C-fiber firing. 2. Event = the exemplification (or instantiation) of a property by an object at a time. An event has the property by which it is singled out as the event in question. ___ Under this sense of 'event,' identity statement means: The event of x's instantiating property P (have a pain) at time t = the event of y's instantiating property Q at time t' if and only if x = yP = Q[Q: What could this mean?]t = t'e.g. 'Pain = C-fiber firing' means whenever anyone has a pain, he must be having C-fiber firing; and vice versa.

[Token and Type identity theory]

[Note]: Tokens are individual particulars, types are a set of individual particulars grouped under a common property. Therefore, talk of 'event types' is equivalent to talk of 'properties of events.'

[Token identity theory]: Every event that falls under a mental-event kind also

falls under a physical-event kind (or every event that has a mental property has also some physical property).

[Type identity theory]: Mental-event types are physical-event types; mental

properties are physical properties.

[Note]: Type identity theory entails that there are systematic correlations between mental properties and physical properties, while token identity theory does not entail that.

* Kim's criticism of token identity theory:

____ It is too weak to preserve a physicalist's (materialist's) position:

Token physicalism can be true even if there is nothing remotely resembling a systematic relationship (dependence, correlation) between the mental and the physical. And a systematic property-to-property relationship between mentality and our bodily nature is of fundamental importance to a robust physicalist position.

____ Under token identity theory, there could be another world just like ours in every physical detail except that mentality and consciousness are totally different, and there could be a molecule-for-molecule physical duplicate of you who is a zombie.

[Q: Why?]

III. Objections to the Identity Theory

___ Q: How do you defend the identity theory against these objections?

[Objection 1]: An Epistemological Objection

I know that I am having pain, but I don't know that I am having my C-fiber firing. So, how could pain = C-fiber firing?

[Objection 2]: The Location Problem

Mental states can't be brain states because the latter, but not the former, have *locations in space* (in our brains).

[Objection 3]: Phenomenal Properties of Mental Events

(1) My pain has the properties of pounding, sharp sensations (as it appears to me), but my C-fiber firing does not have these properties. So, how could pain be C-fiber firing?

(2) The phenomenal properties my mental events have are "irreducibly psychic." They cannot be identified with any physical properties.

[Objection 4]: "Pain" as a "Rigid Designator"

According to type identity theory, the identity statement 'pain = C-fiber firing' is a contingent statement, established by empirical facts. A term is a rigid designator if it designates the same object or person in all possible worlds in which it exists (e.g. proper names). Pain is a rigid designator -- it designates whatever state that has the painfulness sensation. C-fiber firing is also a rigid designator. But (according to Kripke) identity between two rigid designators is necessary identity. Therefore, the type identity theory is false.

[Objection 5]: The Multiple Realization Argument

Mental states are multiply realizable: other biological structures can have them too. If pain = C-fiber firing, then anyone who does not have C-fiber firing cannot be in pain. But surely some creatures without C-fiber can have pain. Therefore, pain cannot be identified with C-fiber firing.