

# Metaphor and Meaning

At the close of the opening scene of Shakespeare's *Hamlet*, Horatio notices the arrival of the dawn

But look, the morn, in russet mantle clad,  
Walks o'er the dew of yon high eastward hill.  
(*Hamlet*, I-1: 165-6)

No one is on the hill. Horatio is speaking metaphorically, describing the dawn as though it were a person. His words relax the tension of what has just happened. He and his colleagues have just seen the spirit of Hamlet's father wandering in the real world where it should not be. Terror is in the air. At this moment, however, Horatio does not see a real person on the hill – this is how the dawn seems in his imagination. He takes comfort in metaphor.

## Figures of Speech

According to the *Oxford English Dictionary* (1989), a figure of speech is

any of the various 'forms' of expression, deviating from the normal arrangement or use of words, which are adopted in order to give beauty, variety, or force to a composition

And a metaphor is

a figure of speech in which a name or descriptive word or phrase is transferred to an object or action different from, but analogous to, that to which it is literally applicable.

The word derives from the Greek words *meta* (after, beyond) and *phorein* (carry, bear)

A clearer sense of metaphor is that of Richards (1936, p 93)

In the simplest formulation, when we use a metaphor we have

two thoughts of different things active together and supported by a single word, or phrase, whose meaning is the resultant of their interaction.

Richards identified the two thoughts as the “tenor” the “vehicle.” These he does not define, but the tenor is basically the original idea, and the vehicle is the new idea that brings to light or accentuates some aspects of the original. Thus when Romeo says that Juliet is the sun, Juliet is the tenor and the sun the vehicle. In cognitive linguistics, the tenor is generally termed the “target” and the vehicle is the “source” (Kövecses, 2002, p 4).

Black (1993) proposed that the interaction described by Richards is the projection of some characteristics of the vehicle upon the tenor. The mystery of metaphor concerns which characteristics get projected and which do not.

We often differentiate metaphor from simile. A simile makes a direct comparison between tenor and vehicle, using terms such as “like” or “as.” A simile could be considered as a tentative metaphor, or a metaphor as an elliptical simile. Metaphor is far more powerful. Romeo could have said that Juliet was like the sun, but that would not have expressed his passion. Poets often use both metaphor and simile together. Enobarbus describes Cleopatra’s arrival:

The barge she sat in, like a burnish’d throne,  
Burned on the water  
(*Anthony and Cleopatra*, II-2: 202-3)

The “burnish’d throne” is a simile, but its burning is a metaphor.

## **Types of Tropes**

The word “trope” (Greek *tropos* turn) is used to describe figures of speech based on comparisons or associations. As well as metaphor and simile, we have:

allegory – a metaphor wherein the comparison is extended into a story. Bunyan's *Pilgrim's Progress* considers the life of a Christian in terms of the journey of one particular man from sin to salvation

analogy – an extended simile used to explain one process or event in terms of another that is more clearly understood.

conceit – a metaphor (or simile) wherein the comparison is highly unusual and intricately detailed.

metonymy – the use of one entity to identify another (*meta* beyond + *onymia* name). This occurs in various ways (Kövecses, 2002, pp 143-162): a part can represent the whole ("head" instead of person or animal) or vice versa ("law" instead of a policeman); a container can indicate its contents ("bottle" instead of alcohol); a piece of clothing can stand for the person who wears it ("suits" for lawyers or businessmen); an instrument can mean what it does ("pen" instead of writing); and a place can represent the people who work there (the "White House" instead the President of the United States). Metonymy can highlight a particular aspect of what is being described: to call businessmen "suits" suggests that they all dress in the same way and lack individuality. Metaphors differ from metonymy by bringing completely novel ideas into play: to call businessmen "predators" suggests that they are out for blood. Kövecses describes this difference by proposing that metonymy stays within a single cognitive domain whereas metaphor crosses into another domain. He also suggests that a simple difference between metonymy and metaphor is that only the latter can be meaningfully recast as a simile. One would not say that businessmen are "like suits," but it is easy to claim that they are "like predators."

symbol (Greek *syn* together + *ballo* throw)– a simple metaphorical expression typically used as a stand-in for an abstract idea ("cross" for the Christian religion, "rose" for love). Symbols can enhance the emotional impact of a statement

by making the idea concrete.

synecdoche (Greek *syn* together + *ekdoche* interpret) has been variably defined over the years. It is usually considered as a subclass of metonymy wherein the whole is signified by the part.

## **Poetry and Language**

Poetry is the natural home of metaphor. Poets portray the world in ways that help us to see what we have not noticed before, and to understand what we previously could not. They teach us how best to express ideas, and provide emotional depth for our experiences. At least this is what Shelley (1821) proposed:

They measure the circumference and sound the depths of human nature with a comprehensive and all-penetrating spirit, and they are themselves perhaps the most sincerely astonished at its manifestations; for it is less their spirit than the spirit of the age. Poets are the hierophants of an unapprehended inspiration; the mirrors of the gigantic shadows which futurity casts upon the present; the words which express what they understand not; the trumpets which sing to battle and feel not what they inspire; the influence which is moved not, but moves. Poets are the unacknowledged legislators of the world.

This is hyperbole. However, much of our normal language evolves from metaphor. The use of "leg" in relation to a table was once metaphorical, but is now just one of the many accepted meanings of the word "leg." Etymology records the passage from figurative to literal. Present meaning is sometimes equivalent to the metaphorical origin ("metaphor"-carried over), sometimes related ("malaria" – bad air) and sometimes almost completely unrelated ("muscle" – little mouse).

Normal human language is replete with metaphorical systems

(Reddy, 1993; Gibbs, 1994; Lakoff and Johnson, 2003; Kövecses, 2002). Life is a journey; argument is war; ideas are food; relations are a game. The following illustrates one such metaphorical system – theories (and arguments) are buildings:

Is that the *foundation* for your theory? The theory needs more *support*. The argument is *shaky*. We need some more facts or the argument will *fall apart*. We need to *construct* a *strong* argument for that. I haven't figured out yet what the *form* of the argument will be. Here are some more facts to *shore up* the theory. We need to *buttress* the theory with *solid* arguments. The theory will *stand or fall* on the *strength* of that argument. The argument *collapsed*. They *exploded* his latest theory. We will show that theory to be without *foundation*. So far we have put together only the *framework* of the theory. (Lakoff and Johnson, 2003, p 46)

Although prose and poetry both make extensive use of metaphor, poetry remains apart from normal language in its intensity and novelty (Donoghue, 2014). When Shakespeare's Cleopatra puts the asp to her breast, she says

Come, thou mortal wretch,  
With thy sharp teeth this knot intricate  
Of life at once untie.  
(*Anthony and Cleopatra*, V-2: 330-302)

The central metaphor is that life is a knot that death can untie. However, this poetry is more than metaphor. Shakespeare invented the word "intricate" probably as a combination of "intricate" and "intrinsic." Perhaps "transient" can also be heard within the word. And the metaphor of "knot" brings "not" immediately to mind – life is defined by its negation.

## **Metaphor and Truth**

Metaphor has an ambivalent relationship with truth (Searle, 1993). A metaphorical statement is not literally true. Juliet is not the sun. Yet literal falseness is not a defining aspect

of a metaphor. The statement 'Juliet is not the sun.' is literally true but can still be metaphorical – perhaps she shines more subtly than the brazen sun. Even when one makes a comparison in the form of a simile, truth is still not certain. We do not know what determines that something can be “seen as” something else (Zwicky, 2003).

Most discussions of metaphor, however, contend that a metaphor can express truth –“ring true” – despite being literally false (Binkley, 1974). The meaning of a statement depends on much more than its literal translation. The intent of the speaker, the context of the statement and the sensitivity of the hearer all contribute to meaning (Speaks, 2014). And whether or not that meaning is true depends on the shared knowledge of speaker and hearer. So Davidson (1978) insists that the speaker of metaphor means what he or she says. In respect to meaning and truth metaphor is then no different from other modes of expression.

### **Words Proper**

The subtle relationship of metaphor to truth, however, made some of the early modern philosophers skeptical about anything that could not just be said in plain English.

Thomas Hobbes (1651) said that man excelled all other animals in his ability to determine the consequences of things and to express these consequences in words. However, he found that this privilege was allayed by a tendency to absurdity, a characteristic shared by no other living creature. Among the causes of absurdity are

the use of Metaphors, Tropes, and other Rhetoricall figures, in stead of words proper. For though it be lawfull to say, (for example) in common speech, the way goeth, or leadeth hither, or thither, The Proverb sayes this or that (whereas wayes cannot go, nor Proverbs speak); yet in reckoning, and seeking of truth, such speeches are not to be admitted.

(Chapter V).

Yet this comes from the author who used the metaphor of Leviathan to describe the state, wherein the residents transfer all power to a sovereign in return for the maintenance of civil order. The frontispiece of his book – an engraving by Abraham Bosse shows the sovereign, composed of all his people, wielding the sword of civil power and the crozier of religious belief. The Latin inscription quotes from the Book of Job (41:24): *Non Est potestas Super Terram quae Comparetur ei* (There is no power on earth which can be compared to him).



In his *Essay Concerning Human Understanding* (1690), John Locke proposed that figurative speech and allusion are wholly to be avoided in any attempt to describe the truth:

Since Wit and Fancy finds easier entertainment in the World, than dry Truth, and real Knowledg, figurative Speeches, and allusion in Language, will hardly be admitted, as an Imperfection or Abuse of it. I confess in Discourses, where

we seek rather Pleasure and Delight than Information and Improvement, such Ornaments as are borrowed from them, can scarce pass for Faults. But yet, if we would speak of Things as they are, we must allow, that all the Art of Rhetorick, besides Order and Clearness, all the artificial and figurative Application of Words Eloquence hath invented, are for nothing else but to insinuate wrong Ideas, move the Passions, and thereby mislead the Judgment, and so indeed are perfect cheat: And therefore however laudable or allowable Oratory may render them in Harangues and popular Addresses, they are certainly, in all Discourses that pretend to inform or instruct, wholly to be avoided ; and where Truth and Knowledg are concerned, cannot but be thought a great Fault, either of the Language or Person that makes use of them. (III: X: 34)

However, this aversion to figurative language did not stop the author from describing the mind of man using multiple metaphors:

Let us then suppose the mind to be, as we say, white paper, void of all characters, without any ideas; how comes it to be furnished? Whence comes it by that vast store which the busy and boundless fancy of man has painted on it, with an almost endless variety. (II: 1: 2)

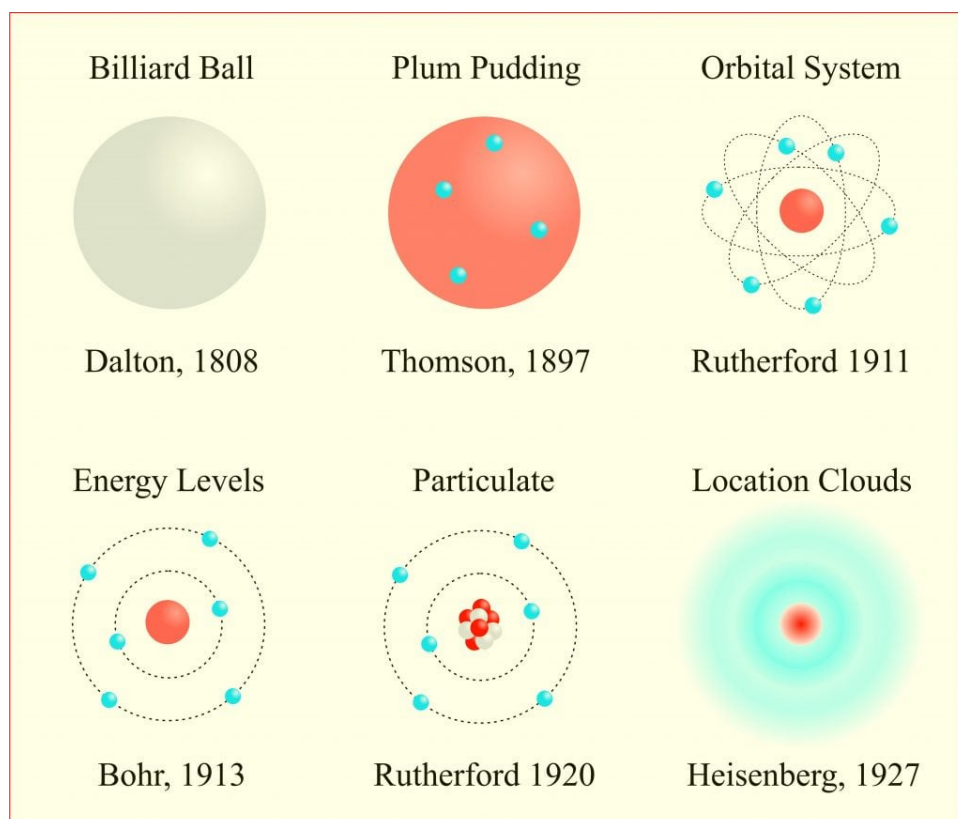
## **Metaphors in Science**

Scientists are much less skeptical of using figurative language than these early modern philosophers. Metaphor is the way to see what is invisible. Analogy is the way to explain how things work.

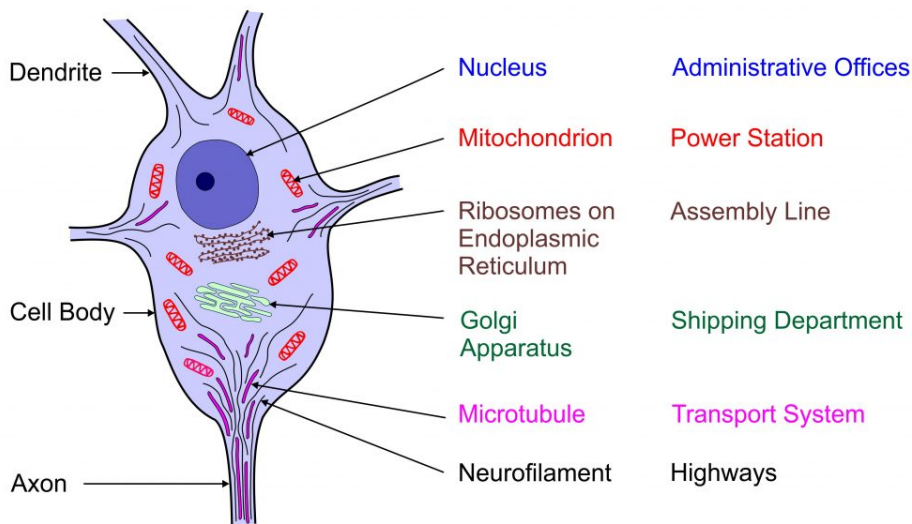
Many different metaphors have been used to illustrate the structure of the atom. These are illustrated in the following figure, which shows the structure of the carbon atom containing 6 protons, 6 neutrons and 6 electrons. Dalton's initial idea was that atoms were like billiard balls. Thomson



discovered electrons and proposed that these particles were stuck in the atom like negative plums in a positive pudding. Rutherford determined that most of the atom was space and concluded that the electrons moved in orbits around a central nucleus just like planets move around the sun. Bohr proposed that electrons could only orbit at specific distances from the nucleus. Movement from one orbit to another was associated with release or absorption of energy. Rutherford later proposed that the nucleus contained both neutrons and protons. Heisenberg demonstrated that an electron had no specific location but rather existed as a cloud of possible locations. Schrödinger found that these clouds were defined by wave functions. These equations gave probability-shapes that are called “orbitals.”



Other metaphors can help explain the workings of the different organelles in a cell. The following views the neuron in terms of a manufacturing company.



## Metaphor in Religion

Religious scripture is permeated with metaphor (Soskice, 1985). How else can one describe what is beyond human understanding. The most famous metaphor for God in the Judeo-Christian tradition is that of the Good Shepherd (Psalm 23, John 10: 1-21). This is illustrated in the 5<sup>th</sup>-century CE mosaics in the Mausoleum of Galla Placidia in Ravenna.



This metaphor tells us that a force in the universe takes care of us like a shepherd takes care of his sheep – leading us to food and shelter, protecting us from danger, finding us when we have gone astray, if necessary dying that we might live.

Thus might we gain some insight into something far beyond our understanding.

Though metaphor is acknowledged as a means for conveying religious truths, there is no accepted limit about how far one might go in terms of metaphorical interpretation. In the Christian religion, for example, should a believer consider the resurrection of Christ to be literally or metaphorically true? Most believers follow the Nicene Creed and insist that the resurrection actually happened. But could the story be metaphorical rather than historical? Richard Holloway (2001) discusses the resurrection in terms of our ability to make changes for the better rather than in terms of its historical truth. He uses the story of Rosa Parks and the Montgomery Bus Boycott as an example of a "resurrection moment:"

Resurrection is the refusal to be imprisoned any longer by history and its long hatreds; it is the determination to take the first step out of the tomb. It may be a personal circumstance that immobilises us, or a social evil that confronts us: whatever it is, we simply refuse any longer to accept it, because the logic of resurrection calls us to action. It follows, therefore, that if we say we believe in the resurrection it only has meaning if we are people who believe in the possibility of transformed lives, transformed attitudes and transformed societies. The action is the proof of the belief. So I end with what may appear to be a paradox: I can say I believe in that resurrection then, the Jesus resurrection, because I see resurrections now, see stones rolled away and new possibilities rising from old attitudes. If a belief is an action indicator rather than a purely mental event, belief in resurrection means that I must commit myself to the possibility of transformation. That means continuing to struggle with the intractability of my own nature; more importantly, it means joining with others in action to bring new life to human communities that are still held in the grip of death. (p 141).

Another tenet of the Christian belief is the idea of the Second Coming – when Christ will return to the earth to judge what we have done and to reign in a new and perfect world. Christ in his majesty is depicted in Hans Memling's *Christ with Singing Angels* from 1480 CE.



Should a Christian believe in this Second Coming as something that will actually occur? Or is it a metaphor for life leading ultimately toward peace and prosperity? Provided that we follow the injunctions of the religion to love our neighbor.

### **Envoi**

In the closing scene of Shakespeare's *Hamlet*, Horatio bids farewell to the dying Hamlet.

Now cracks a noble heart.—Good night, sweet prince,  
And flights of angels sing thee to thy rest!  
(*Hamlet*, V-5: 359-60)

Angels are a metaphor for the forces that might take care of us in our suffering, accompany us through whatever happens at the moment of death, and celebrate us when we have done well.

There are no angels. Yet if there were, they would be with Hamlet. Horatio finds comfort in metaphor.

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## Person and Memory

Although psychology has become an established science, it still has deep connections to philosophy. This is particularly true when we consider the concept of person that is at the foundation of all psychology. A person exists (and persists) through the processes of consciousness and memory. The following photograph (by Marie-Lan Nguyen) shows a Roman statue of Clio, the muse of history, from the Museo Pio Clementino of the Vatican. Clio records what is happening and

recalls what has happened. History ensures that the past persists. The past helps us to understand the present.



Clio, Museo Pio Clementino

The statue derives from the 2<sup>nd</sup> century CE. Its head and body were originally from different statues. Our knowledge of the person comes from both psychology and philosophy. This posting looks at memory and person from these two viewpoints. The photograph has been modified to provide more space on the statue's right. There is much we do not know.

### **From soul to person**

The philosophers of the Enlightenment doubted the existence of the soul. Thoughts and sensations were all that could be directly experienced. These required a subject to experience them. In his *Essay Concerning Human Understanding*, Locke (1689) proposed the terms "self" and "person" for this subject. A person is

a thinking intelligent being, that has reason and reflection, and can consider itself, as itself, the same thinking thing in different times and places; which it does only by that consciousness which is inseparable from thinking, and, as it seems to me, essential to it; it being impossible for anyone to perceive, without perceiving that he does perceive. (Book II, Chapter 27)

As well as consciousness, the idea of person required a memory of one's past thoughts and actions. Consciousness of both past and present could then support the identity of the person over time. Without memory, each moment of experience would require a different subject:

For since consciousness always accompanies thinking, and it is that which makes everyone to be what he calls self, and thereby distinguishes himself from all other thinking things; in this, alone, consists personal identity, i. e. the sameness of a rational being; and as far as this consciousness can be extended backwards, to any past action or thought, so far reaches the identity of that person; it is the same self now, it was then; and it is by the same self with this present one, that now reflects on it, that that action was done. (Book II, Chapter 27)

Locke considered memory as a simple storehouse of perceptions that could be revived at a later time

this laying up of our ideas in the repository of the memory signifies no more but this, that the mind has a power in many cases to revive perceptions which it has once had, with this additional perception annexed to them, that it has had them before. (Book II, Chapter 10).

In this way, Locke considered the human mind as essentially passive: a clean slate (*tabula rasa*) upon which the world writes through the process of sensation, and an untended warehouse of slowly fading messages from the past.



Personhood clearly requires both consciousness and memory but the relationships are not simple (Behan, 1979). Am I a person when I am unconscious? Am I the same person as the two-year old child who grew up to be me, but whose experiences I can no longer remember? Personal identity must depend on physical as well as psychological continuity (Parfit, 1984; Olsen, 2010). In modern science we might also consider genetic continuity: over time our cells may change but our genes remain the same.

The self as described by the philosophers of the Enlightenment had a definitely moral aspect. Locke proposed that conscious memory must take responsibility for a person's past actions. The self

extends itself beyond present existence to what is past, only by consciousness,—whereby it becomes concerned and accountable; owns and imputes to itself past actions, just upon the same ground and for the same reason as it does the present. (Book II, Chapter 27).

Whereas the soul had existed in relation to God, the person was much more closely related to society. The Enlightenment was far more concerned with the rights and duties than with sin and salvation. Our modern concept of the person continues this idea of individual responsibility:

A person is a being with a certain moral status, or a bearer of rights ... a being who has a sense of self, has a notion of the future and the past, can hold values, make choices; in short can adopt life-plans ... a being with his own point of view on things ... a being who can be addressed, and who can reply ... a 'respondent.'. (Taylor, 1985, p. 97)

### **Active Attention**

In his *Essay on Human Understanding*, written in reply to Locke's essay, Condillac (1746, reviewed by Kaitaro, 2007) pointed out that perception and memory are not simply passive responses to incoming sensation. Attention selects which or

our sensations are perceived and remembered, and finds relations among these sensations. Furthermore, attention is purposeful, acting according to our needs.

The association of several ideas can only be caused by the attention which we have given them when they occurred together: as well, things only attract our attention because of their relation to our temperament, passions and state of mind, or, in a word, our need. (Condillac, 1746, Part I, Section II, Chapter 3)

One of the ideas that the human mind creates is that of the self. Condillac proposed that this comes about through a process that compares present perceptions with memories of past perceptions:

When objects attract our attention, the perceptions that they cause are associated with a feeling of self ... Consciousness not only is aware of our perceptions but also, if these repeat, informs us that we have already experienced them, and tells us how, despite their variety and succession, they relate to ... a being that is always the same. ... Without what I call *reminiscence*, each moment of our life would appear as the first in our existence, and our consciousness would never extend beyond our first perception. (Condillac, 1746, Part I, Section II, Chapter 1)

However, although Condillac considered consciousness as an active process, he came to think that this activity itself could be derived from sensation. In his later book, *Treatise on Sensations* (Condillac, 1754, discussed in Falkenstein, 2010), he attempted to see how all of our thinking could come from sensation, using the concept of a statue that is sequentially stimulated in each modality. Though he disagreed with Locke about the passivity of the mind, he still decided that active mental processes could be derived from experience. Sensation teaches us to think. Nothing is innate.

However, as pointed out by Donald (2001), Condillac's statue cannot develop in this way unless it has from the beginning the ability to be conscious of the various sensations that it experiences. Furthermore, the statue would have to be endowed with some curiosity or there would be no motive for it to make any associations between the different sensations that it experiences.

Nevertheless, by the end of the book Condillac's statue has developed attention, perceptions, associations, memory and desire. Condillac appears to be stating that this statue is equivalent to a human being. Yet, although it has some idea of its own body, the statue does not have any clear understanding of itself. The statue's final soliloquy includes the haunting comment:

I see myself, I touch myself, in a word, I sense myself, but I do not know what I am. (Condillac, 1754, Part IV, Chapter 8)

This absence of any self-understanding may be related to the statue's lack of any social experience. Condillac provided it with sensations of itself and of objects, but not of other persons. The human concept of the self develops at the same time as the concept that there are other persons in the world each with its own consciousness and will (Wellman, 2011).

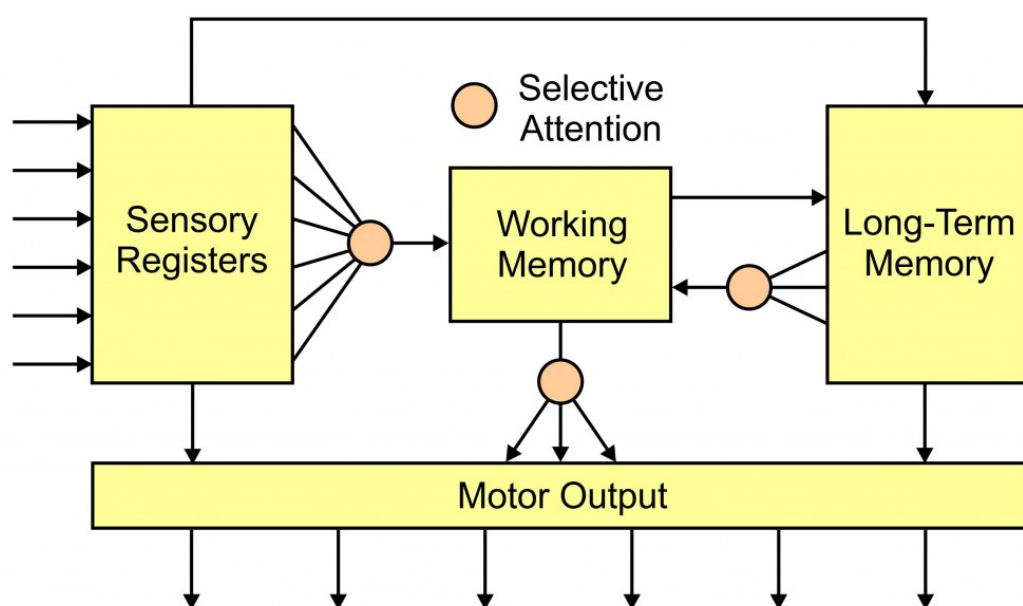
## **Cognitive Psychology**

Competing claims that human mental processes were passive or active played themselves out again in the 20<sup>th</sup> Century. Behaviorists proposed that all our actions derive from the stimuli that we receive. At mid-century, however, a cognitive revolution occurred: psychologists decided that human perception is an intensely active process, and that memory is far more complicated than a simple repository of experience.

Human memory is presently conceived as having short and long

durations. Short-term memories include sensory stores which serve to register modality-specific incoming information, and working memory which selects information from these stores, and transforms it into action according to current needs and goals. Working memory has access to learned procedures and concepts that are maintained in long term memory, and uses various subsidiary stores, such as the phonological loop and the visuo-spatial scratchpad, to hold information while it operates.

The diagram below shows the general structure of human information processing, with the different human memories shown in separate boxes. Current cognitive psychology considers these memories as residing in neuronal networks that are far more widespread and overlapping than the diagram suggests. Attention is the process that selects what information is transferred into and out of working memory.



Long-term memory is what is usually considered as “memory” in everyday speech. Cognitive psychology divides this into explicit and implicit, depending upon whether the recalled information is accessible to consciousness. This distinction is also described as declarative vs. procedural. The memory of how to ride a bike is implicit/procedural; the memory of the

capital city of France is explicit/declarative.

Endel Tulving (1972, 1983, 2002) proposed that explicit memory is further divided into two types: semantic and episodic. Semantic memory is the memory for facts. Such facts are recalled without any relation to our experience when we initially learned them. Episodic memories are recalled together with aspects of what we experienced when they were initially stored into memory, i. e., they are recalled as part of an episode in our life. The archtypical episodic memory is that of one's first kiss, a memory that usually cannot be recalled without re-experiencing many attendant sensations and emotions. The following table (modified and abridged from Tulving, 1983, p. 35) gives some of the distinctions between the two types of memory:

<b>Feature</b>	<b>Semantic</b>	<b>Episodic</b>
Source	sensation	
	comprehension	
Units	events, episodes	
	facts, ideas	
Organization	temporal	
	conceptual	
Reference	self	
	universe	
Veridicality	personal belief	
	social acceptance	
Registration	experiential	
	symbolic	
Access	deliberate	
	automatic	
Retrieval queries	when? where?	
what?		
Recalled information	personal past	
facts		
Reported experience	remember	

know

Episodic memories are associated with a special type of consciousness that Tulving and his colleagues have called "autonoetic" (Wheeler et al., 1997). This allows us to re-experience events from the past without our becoming confused with our present experience. Remembering something is similar to the original experience but is clearly not the same. Autonoetic consciousness provides us with the ability for "mental time travel." Moreover, as well as letting us remember our past, it allows us to experience what might happen to us in the future.

One experimental technique for evaluating episodic memory involves having subjects recall previously learned associations. They are then asked whether they "remember" these items (on the basis that they also recall what happened when the association was studied), or simply "know" the association (reviewed by Tulving, 2002). Remembered information has the "flavor" of the original experience, whereas known information is simply factual. However, although most subjects can make the remember/know distinction, its meaning is not clear. The "remember" judgment may possibly indicate a larger amount of information or its greater vividness rather than (or in addition to) a different type of recollection.

Imaging studies have shown that recalling episodic memories activates different brain regions than recalling semantic memories. Recalling episodic memories involves the right frontal region of the brain, whereas recalling semantic memories is more left frontal (Tulving et al., 1994; Cabeza et al., 1997). Furthermore, a patient with difficulty in recalling episodic memories showed a focal lesion in the right frontal region (Levine et al., 1998).

Recent imaging studies have implicated that the recall of episodic information involves complex interactions between

several different regions of the brain, most particularly the hippocampi, the anterior prefrontal cortex and the left parietal cortex (Vilberg & Rugg, 2009; Rugg and Vilberg, 2013).

Tulving considered episodic memory to be a special development in human beings. Animals

have minds, they are conscious of their world, and they rely as much on learning and memory in acquiring the skills needed for survival as we do ... but they do not seem to have the same kind of ability humans do to travel back in time in their own minds (Tulving 2002).

However, human semantic memory, organized in large part through language, is also quite distinct from the memory that animals have for facts. Since it carries with it human culture, art, science, and history, our semantic memories are every bit as special as our memories of personal experience.

Everything that we learn occurs initially part of a subjective experience. How experience becomes memory is not clear. Semantic memories may derive from episodic memories after they have been separated from their personal associations through processes such as inference, abstraction, generalization or consolidation. However, it is also possible that the initial experience is stored simultaneously in the two types of memory.

### **Autobiographical Memory**

Autobiographical memory is composed of both semantic and episodic elements (Conway & Pleydell-Pearce, 2000; Renoult et al., 2012). I can recall the names of my family members, the important dates of my life (birth, graduation, marriage), and the sequence of places where I have lived or worked in much the same way that I recall the capitals of countries. Yet I can also recall my actual experiences during my wedding or my first day at work. The story of my life can thus be viewed at

different levels: in semantic outline or episodic detail.

Episodic memories are generally organized around the idea of a person that persists from one episode to the next (Picton, 2012). As well as linking together what has happened to us into a personal history, our autobiographical memory also contains explanations for why we did what we did. Thus we come to know how we tend to respond in certain situations, what needs and desires govern our actions, and what goals we might be aiming for. Thus we develop a sense of self:

When it comes to our identities, narrative is not only *about* self, but is rather in some profound way a constituent part *of* self (Eakin, 2008, p. 2).

This psychological concept of the person shows some similarities to the existentialist view of the man as not being endowed with a soul but as having to create one out of nothing:

Freedom is precisely the nothingness which is made to be at the heart of man and which forces human reality to make itself instead of to be. As we have seen, for human reality, to be is to choose oneself; nothing comes to it from the outside or from within which it can receive or accept. Without any help whatsoever, it is entirely abandoned to the intolerable necessity of making itself be. (Sartre, 1943/1995, p. 485, translation Barnes)

We can be quite creative in how we put together our personal story:

we are all virtuoso novelists, who find ourselves engaged in all sorts of behavior, more or less unified, but sometimes disunified, and we always put the best 'faces' on it we can. We try to make all of our material cohere into a single good story. And that story is our autobiography. The chief fictional character at the center of that autobiography is one's *self*. (Dennett, 1992).



Unfortunately, we are sometimes unreliable narrators. When we are happy we can see our lives as the successful outcome of our intelligence, charm and drive. When we are depressed we may misperceive what has happened and exaggerate our personal failures. A good friend or a psychotherapist can help us by listening to our story, pointing out its inconsistencies, and suggesting different interpretations. They help us to be honest with ourselves (Coetzee & Kurtz, 2015). If our version of our life history is more fiction than fact, we can have great difficulty handling the present or coping with the future.

The concept of a personal narrative is often associated with morality. Should we not be responsible for the story of our life in some manner? "Accountable" was the word used by Locke in his discussion of the person. Charles Taylor remarks

[I]n order to make minimal sense of our lives, in order to have an identity, we need an orientation to the good, which means some sense of qualitative discrimination, of the incomparably higher. Now we see that this sense of the good has to be woven into my understanding of my life as an unfolding story. (Taylor, 1989, p. 47)

Alasdair MacIntyre (1984) has also considered personal identity and its relation to ethics:

In what does the unity of an individual life consist? The answer is that its unity is the unity of a narrative embodied in a single life. To ask 'What is the good for me?' is to ask how best I might live out that unity and bring it to completion. (MacIntyre, 1984, p. 218)

He goes on to describe the personal narrative in terms of a "quest" for the good. We seek to go from the as yet unfulfilled present person to a future person as he could be if he were to realize his essential nature (MacIntyre, 1984, p. 52).

## Memory Style

Recent studies have indicated that some subjects have autobiographical memories that are more highly developed than normal subjects (Leport et al., 2012). These patients can recall much more about what occurred during their lives than normal subjects. When prompted by specific dates they can often recall exactly what they were doing and what was happening in the world. These subjects organized their autobiography using a strict chronological ordering.

Other subjects have a much less developed autobiographical memory than normal (Palombo et al., 2015). These subjects experience much less episodic detail when they recall their past particularly from childhood and adolescence. For the more recent past, the subjects appear to compensate, perhaps by using semantic memory to encode what others would maintain as episodic details. During remember/know recognition-testing, the subjects reported remember judgments much less frequently than control subjects. It is as though they have some deficit in either making or recalling episodic memories. However, it is difficult to evaluate this by asking them about their experience. This would be like asking a color-blind patient to describe his experience of red. On physiological testing, the subjects showed reduced activation in the brain regions normally associated with episodic recall.

These two groups of subjects may represent the limits of normal variability in memory styles. In this regard it is interesting to note some recent contributions from philosophy. Galen Strawson (2004, 2012) has proposed that there are two kinds of self-experience: diachronic and episodic. A diachronic (from the Greek *dia* through and *chronos* time) person considers himself or herself as an entity that has persisted from past to present and that will continue into the future. Most diachronic persons consider their past in terms of a personal narrative. An episodic (from the Greek *epi* in addition and *eisodos* entrance) person is one who has little or

no sense of a past or future identity, and little concern with his or her life story. The memory of the personal past is discontinuous and divorced from the present self. Strawson considers himself as episodic:

I have a past, like any human being, and I know perfectly well that I have a past. I have a respectable amount of factual knowledge about it, and I also remember some of my past experiences 'from the inside', as philosophers say. And yet I have absolutely no sense of my life as a narrative with form, or indeed as a narrative without form. Absolutely none. Nor do I have any great or special interest in my past. Nor do I have a great deal of concern for my future. (Strawson, 2004, p. 433)

Strawson's use of "episodic" is different (indeed almost the opposite) from Tulving's. Strawson uses it to describe a person who considers the past (and future) as having little relation to the present, whereas Tulving uses it to describe the experiential quality of remembering. The term "episodic" has been used with even other meanings: Donald (2001, pp. 200-202) uses it to describe the temporal organization of experience into meaningful events.

Strawson proposes that episodic persons are not that uncommon. Since such persons would generally not write autobiographies, the historical record may be biased towards the diachronic. Strawson nevertheless quotes others who share his episodic nature. Goronwy Rees (1961) entitled his autobiography *A Bundle of Sensations*. The title makes allusion to David Hume, who was himself sceptical about the possibility of any person or perceiving subject. He considered each of us to be

nothing but a bundle or collection of different perceptions, which succeed each other with an inconceivable rapidity, and are in a perpetual flux and movement. Our eyes cannot turn in their sockets without varying our perceptions. Our thought is still more variable than our sight; and all our

other senses and faculties contribute to this change; nor is there any single power of the soul, which remains unalterably the same, perhaps for one moment. (Hume, 1738, Book I Part IV Section VI)

Strawson's main point, however, is to criticize the idea that a personal narrative is essential to moral development. Indeed because of the way that it is continually revised, a deeply experienced personal narrative may hinder more than help:

the Narrative tendency to look for story or narrative coherence in one's life is, in general, a gross hindrance to self-understanding: to a just, general, practically real sense, implicit or explicit, of one's nature. It's well known that telling and retelling one's past leads to changes, smoothings, enhancements, shifts away from the facts ... The implication is plain: the more you recall, retell, narrate yourself, the further you risk moving away from accurate self-understanding, from the truth of your being. (Strawson, 2004, p. 447).

Eakin (2008) has argued against Strawson's dissociation of personal identity from any narrative evaluation of one's past and future. It may all depend on the way in which the memory of the past is organized. Not all stories are told from beginning to end. As Christman (2004) has pointed out the events in a narrative may be linked according to causal connections (from the beginning), teleological directions (toward the end) or thematic relations (interacting foci).

What the condition of narrativity amounts to, then, is the more basic requirement that the person must be able to look upon the factors and events of her life with a certain interpretive reflection, whether or not those factors and events have any particular narrative unity in a traditional sense. Christman (2004).

## **Person and Memory**

A person is an entity with a unique point of view that can be exercised in both space and time. From this particular perspective a person can perceive the present world, remember the past and speculate about the future.

Persons differ on how they view the relation between themselves and the world. Some live mainly for the present and have little relationship to their past. Indeed they may even feel that their past self was a different person from their present self. They may have difficulty recalling the experience of a past episodes in their lives even though they know that they occurred. Others pay particular attention to what has happened to them and how they might approach the future. They are intensely interested in how their life develops over time.

Whether such differences are the result of the normal variability of human memory systems or the result of a deficiency in some neural process or processes remains an open question. We need to find out how episodic memories are generated in the brain and how they differ from semantic memories. How differences in memory style relate to differences in personality also needs investigation. For example, are diachronics more likely to be introverted than extraverted?

## **Omphale**

The posting concludes with a photograph of the statue of Omphale in the Schönbrunn Garden in Vienna. The photograph was taken by Manfred Werner using a flash, during a summer night-time concert of the Vienna Philharmonic.

For three years Hercules was Omphale's slave and lover. At times they exchanged their clothing. In the statue Omphale wears Hercules lion-skin and carries his club. The photograph is formally very similar to the photograph of Clio at the beginning of this post. Yet for me they differ in much the

same way as semantic and episodic memory. Clio is abstract and put together after the fact. Omphale is an experience.



Omphale, Sommernachtskonzert Schönbrunn 2012

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La liaison de plusieurs idées ne peut avoir d'autre cause que l'attention que nous leur avons donnée, quand elles se sont présentées ensemble: ainsi les choses n'attirant notre attention que par le rapport qu'elles ont à notre tempérament, à nos passions, à notre état, ou, pour tout

dire en un mot, à nos besoins.

Lorsque les objets attirent notre attention, les perceptions qu'ils occasionnent en nous, se lient avec le sentiment de notre être et avec tout ce qui peut y avoir quelque rapport. De là il arrive que non seulement la conscience nous donne connaissance de nos perceptions, mais encore, si elles se répètent, elle nous avertit souvent que nous les avons déjà eues, et nous les fait connaître comme étant à nous, ou comme affectant, malgré leur variété et leur succession, un être qui est constamment le même *nous*. La conscience, considérée par rapport à ces nouveaux effets, est une nouvelle opération qui nous sert à chaque instant et qui est le fondement de l'expérience. Sans elle chaque moment de la vie nous paraît le premier de notre existence, et notre connaissance ne s'étendrait jamais au-delà d'une première perception: je la nommerai *réminiscence*.

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[J]e me vois, je me touche, en un mot, je me sens, mais je ne sais ce que je suis.

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La liberté, c'est précisément le néant qui est été au Coeur de l'homme et qui contraint la réalité humaine à se faire, au lieu d'être. Nous l'avons vu, pour la la réalité humaine, être c'est se choisir: rien ne lui vient du dehors, ni du dedans non plus, qu'elle puisse recevoir ou accepter. Elle est entièrement abandonnée, sans aucune aide d'aucune sorte, à l'insoutenable nécessité de se faire être jusque dans le moindre détail.

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