PSALM 137: PERSPECTIVES ON THE (NEURO-) PSYCHOLOGY OF LOSS

Author:
Hennie Viviers

Affiliation:
'Department of Religion, University of Johannesburg, South Africa

Correspondence to:
Hennie Viviers
email: hviviers@uj.ac.za

Postal address:
Department of Religion, University of Johannesburg, PO Box 524, Auckland Park 2006, South Africa

Dates:
Received: 17 May 2010
Accepted: 24 Aug. 2010
Published: 29 Oct. 2010

How to cite this article:
Viviers, H., 2010, ‘Psalm 137: Perspectives on the (neuro-) psychology of loss’, Verbum et Ecclesia 31(1), Art. #397, 7 pages. DOI: 10.4102/vev31i1.397

This article is available at:
http://www.ve.org.za

ABSTRACT

The neuro-psychological imperative first implies the formation of neural networks through exposure to the external environment, both physically and ideologically, giving us our ‘selves’. It in turn implies the projection of this internal world onto the outer to achieve neuro-environmental consonance. Situations like bereavement, immigration or exile break down this consonance and are accompanied by strong negative emotions. When viewing Psalm 137 through the lens of the neuro-psychological imperative, its intense experience of the loss of land (and ‘self’) becomes transparent as this psalm vividly recalls the devastating experience of the Babylonian exile. The shocking end of the psalm, detailing the desire for the brutal annihilation of enemy infants, expresses the understandable ideological drive of the exiles to, ironically, retrieve their lost ‘selves.’ Although understandable as an upholding of the established internal world, the manner in which this is to be achieved is not to be emulated by modern civilised societies.

INTRODUCTION

In 1959, Eva Hoffman, a Polish girl and her parents voluntarily immigrated to Vancouver, Canada. She articulated the overwhelming nostalgia for her lost home as follows:

‘… the country of my childhood lives within me with a princiaphy that is a form of love … It has fed me language, perceptions, sounds, the human kind. It has given me colors and the furrows of reality, my first loves. The absoluteness of those loves can never be recapitulated. No geometry of the landscape, no haze in the air, will live in us as intensely as the landscapes that we saw as the first, and to which we gave ourselves wholly, without reservations.’

(Wexler 2006:175)

Approximately 2500 years earlier, the poet of Psalm 137 expressed something similar: ‘By the rivers of Babylon we sat and we wept when we remembered Zion … Likewise, this psalm also overflows with intense emotion (Gemser 1968:199) and captures the shocking emotional experience of immigration. In this case, however, immigration takes the form of a forced exile by the Judeans’ enemy of the time, the Babylonians. Immigration is quite similar to the experience of bereavement and accordingly takes time and effort to overcome and to become fully adapted to the new surroundings (Wexler 2006:6–7; Cezar Garza-Guerrero 1974:418).

The emotionality of Psalm 137 involves not only a few superficial feelings that come and go which we can control as we please; it has a much deeper base. Psalm 137 elicits intense and tenacious feelings which can be explained by a neurobiological foundation responsible for the sensation of being captivated by feelings wherein we feel that our feelings control us and not the other way around. In 2006, the neuroscientist cum-psychiatrist Bruce Wexler wrote an illuminating book, Brain and Culture: Neurobiology, Ideology, and Social Change and his insights predominantly inspired this contribution. In this book he lays bare what he calls the neurobiological imperative, upholding our mental worlds (consciousness) and the latter, in turn, confirming and keeping alive the neurobiological imperative. The brain-mind, called thus to indicate the complex functional interaction between its physicality and mentality, is so intricately linked with its sensory environment and our biology so fundamentally social, that ‘… to speak of a relation between the two suggests an unwarranted distinction. It is our nature to nurture and be nurtured’ (Wexler 2006:13; Pyysiäinnen 2001:215). Kuberski (2000:11) aptly formulates this concept in a similar vein: ‘a brain without a world to cognize is not a brain’. Our neurobiology is constantly shaped by the outer world (during childhood) and it in turn shapes the outer world (during adulthood) to maintain internal-external or neuro-environmental consonance (Wexler 2006:18). Neuro-environmental consonance is what gives us comfort, a feeling of belongingness and identity confirmation. The neurobiological imperative also aptly provides a deep-seated reason why we embrace our ideologies and values to the extent that we do, even defending them through physical violence (e.g. Ps 137:7–9). Through our established neurological schemata we become ‘wired’ to do so and, to a certain extent, do not give us much choice. However, at the same time we are not prisoners of our neurobiology. Through our consciousness we are more than our physicality; we are also able to ‘re-wire’ our neurobiology to prompt us into new behaviours.

In what follows, Wexler’s insights on the establishment of the neurobiological (neuro-psychological) imperative will be highlighted and its assertion onto the outer world will be laid bare. Psalm 137 will then be viewed through the lens of the neuro-psychological imperative to explore the depth and tenacity of this psalm’s emotional experience of the exile.

1. The brain makes the mind, it remains an enigma how … a non-material mind can rise from mere biological functions: how the flesh and blood machinery of the brain can suddenly become “awake” (Newborn et al. 2001:32). Brain and mind exist as an inseparable unity, therefore the use of the term ‘brain-mind’.

2. When Wexler (2006:1) uses the term ‘neurobiological’, the psychological is implied as well: ‘Neurological and psychological function are two sides of a coin … ’ In this contribution, I prefer to use the term ‘neuro-psychological’ to capture both the deeply integrated physiological and mental aspects of our being.
The Formation of the Neuro-Psychological Imperative

Wexler (2006:19–36) provides a concise and reader friendly summary of the complexities of the brain-mind. The human brain consists of approximately 100 billion neurons or nerve cells. Each of these neurons has thousands of chemical docking stations on its outer surface, where neurotransmitters (chemicals) ‘dock’. These evoke electrical impulses running through the dendritic axons and in turn exit the neuron chemically to continue the information transfer process to its neighbouring neurons. All of these thousands of electro-chemically ‘firing’ messages happen within milliseconds. The messages received are interpreted mentally, that is, cognitively (‘knowing’), emotionally (‘feeling’) and through memory (‘recall’), enabling us to react in appropriate ways according to whatever the message might be. Mental functions are not mediated by single neurons, but rather by larger groups or assemblies of neurons that become structured functionally with complicated communicative pathways. Each individual’s neural networks differ, even in siblings, so that we each have a remarkable, unique and meaningful representation of the ‘world’. These neural networks manifest common age-related behaviors. So remarkable is the functional complexity of the brain-mind that neuronal activity is inhibited in one area, neighbouring neuronal networks can take over functions in a limited way:

… in young children who have lost the entire left side of their brain surgically removed for treatment of otherwise untreatable seizures, all functions become localized in the remaining right hemisphere. Even the language function …

(Wexler 2006:26)

Mammalian brains evolved a limbic structure and system around the ‘reptilian core’ and it is this limbic structure that is very much the centre for familial and social behaviors. In addition, humans have developed their very large frontal and parietal lobes creating “… an unprecedented opportunity for environmental shaping of uniquely human aspects of brain function” (Wexler 2006:36). This process of environmental input continues up until approximately 25 years of age.3

For the brain to develop normally and to function properly, it needs constant sensory stimulation. This is not a choice but a necessity (Wexler 2006:90). The stage between early childhood and early adulthood (puberty or adolescence) is critical in the formation of brain structures and functions and is described by Wexler as the time of neuronal plasticity (2006:118). This is the period wherein neural network growth takes place in order to become established, while still being quite susceptible to changes, both physically and culturally. We know for example how young children adamantly defend their convictions, seeing everything in black and white, but we are also aware how quickly their views can change. Once adulthood sets in, the period wherein neural network growth takes place in order to become established, while still being quite susceptible to changes, both physically and culturally. We know for example how young children adamantly defend their convictions, seeing everything in black and white, but we are also aware how quickly their views can change. Once adulthood sets in, the

3. Kuberski, writing on the intricacies of consciousness, makes the point that a single neuron is infinitely more complex than anyone would ever have imagined. It has a “… mind of its own …” (2000:12 citing Scott).

4. The ‘theory of mind’ mental tool (ToM), for instance, which enables us to ‘mind read’ others (their probable goals, motivations, desires, etc.), is not developed in children younger than more or less five; older people have stronger mind-reading capabilities than younger people. For a more detailed account on ToM, see Barrett (2004:31–44). In order to also explain the differences between cultures in spite of the same brain-minds that humans share cross-culturally, Lewitt (1956:524) says: “A biological base is not, however, only responsible for similarities: it is what provides for variation as well … however, variation is not infinite…”

5. Other than the human species, we are all aware of how quickly the offspring of non-human mammals mature in order to survive independently.

6. Wexler (2006:56–57) explains the importance of N-methyl-D-aspartate (NMDA) receptors for neural growth. The neurotransmitter glutamate, released by sensory relay neurons from the brainstem, activates cortical neurons by attaching to the NMDA receptors on these neurons. Researchers believe that NMDA receptors directly activate dendritic mechanisms and are therefore remarkably able to double in immature animals than in adults. This confirms the malleability of the immature brain, equipped to grow and develop optimally.

6. Wexler (2006:56–57) explains the importance of N-methyl-D-aspartate (NMDA) receptors for neural growth. The neurotransmitter glutamate, released by sensory relay neurons from the brainstem, activates cortical neurons by attaching to the NMDA receptors on these neurons. Researchers believe that NMDA receptors directly activate dendritic mechanisms and are therefore remarkably able to double in immature animals than in adults. This confirms the malleability of the immature brain, equipped to grow and develop optimally.

7. The ‘social’ neuropeptide Oxytocin, unique to mammals, plays an important role in rats to suppress the mother’s aversion to the odor of her newborns. It also facilitates hair bonding between males and females. Although Oxytocin is present in humans, it is found in other brain regions where its receptors are situated (Wexler 2006:86–88, 96).


9. How true is the expression ‘a chip off the old block,’ when also viewed from a neuro-psychological perspective?

10. ‘Mirror neurons’ that facilitate imitation have been demonstrated in human infants even as young as two weeks old as they imitate the sticking out of tongues and other imitative behaviors, that is reciprocal vocalisation between mothers and their 3-month-old infants (Wexler 2006:114).

Sensory deprivation also has psychological effects:

When … in conditions of sensory deprivation, people seek stimulation and soon become depressed and anxious. Moreover, their brains no longer work as effectively; they have illusory sensory experiences, altered perceptual thresholds, and difficulty with certain types of problem solving.

(Wexler 2006:83)

Narrowing the focus from general stimulation of the brain-mind to that of the social environment, specifically, the mother, parents, family and cultural environment become indispensable for the proper formation of the young pre-adult human. This also confirms the view that our fellow human beings attract our attention far more than anything else (Guthrie 1993). Wexler refers to the mother-infant relationship as an integrated dyadic unit (2006:2, following the famous Russian psychologist Vygotski). Whereas in animals communication with infants is very much olfactory; communication becomes very visual and auditory for humans. Exposure to exaggerated facial expressions and vocal displays of basic emotions, present cross-culturally (Ekman 2008:95–123), activates the limbic system (orbitofrontal cortices, amygdale, etc.) the basis or ‘centre’ for family and social behavior. Very young infants are sharply focused on their mother’s face and voice. There is a loss of neurobiological structure in the infants of both nonhuman mammals and humans deprived of natural parenting. Wexler (2006:100) states succinctly: ‘Linked with their parents in dyadic and family systems, infants develop physiological patterning that is influenced by and often similar to the patterns of their parents.’ Children’s ‘circuity’ is shaped by what adults are interested in and hold as important, both from their own childhood experiences as well as the culture they form part of. As an example, in a certain sense, parents equip their children with the rational capacity of their frontal lobes in matters of problem solving and in making important decisions and this is probably why even senior adults often claim to do things the way their parents have done and taught them. Children learn through imitation: language, for instance, a cultural phenomenon for which we have evolved an innate capacity, is learned through imitation (Wexler 2006:121). The neuro-plasticity of the young brain-mind remarkably comes to the fore in the learning of a new language, whilst the adult finds this rather difficult. Apart from language, children also internalise the values and
ideologies of their immediate social and cultural environment and are more than often very conservative in their convictions. To embrace counter ideologies and constitute reality and ideologies and elevate them above criticism is part and parcel of adult life (McCutcheon 2000:207). Children learn through play,11 which is actually more of a cognitive process than a motor activity and of which formal schooling is an extension. Wexler (2006) summarises the shaped young adolescent as follows:

Adolescents ... are occupied with ... integrating internal structures derived from multiple sources into a functionally coherent whole, and articulating a personal ideology that leads to a niche in the general social matrix that is consistent with the internal structures.

(Wexler 2006:136–137)

Therefore the young adult requires an identity or a self and a neuro-psychological makeup that determines the way they will conceptualise their reality, feel, make decisions and generally live their life. A few remarks need to be added about the role of emotions, especially in the confirmation and protection of the young adult’s acquired ego identity, shaped as we have just seen, in order to also understand the depth of the emotions experienced in Psalm 137. The young child is not able to articulate particular feelings accurately, but is very well equipped to experience them. Adults’ skewed faces and gurgling sounds are soon properly articulated, guiding and providing their maturing child with the same emotional experiences, of things either harmful or beneficial that fill their environment and are of interest to them, for example, sounds, foods, places, etcetera. Described by Manstead as psychological states,12 emotions are therefore always object oriented in contrast to moods that are not (e.g. irritation, boredom; Manstead 2008:xxxi). Love, joy, surprise, anger, sadness and fear are usually identified as basic emotions.13 Emotions are also markedly social and shared with others (Manstead 2008:xxxiii) and have come a long way since our evolutionary past to enhance our species’ adaptivity (Ekman 2008:96–97). We become emotional about things important to us in terms of values and goals to which we are committed to and embody our identity. Vengeance for instance, borne out of anger, ‘... is a way of repairing damage to one’s demeaned ... ego identity’ (Lazarus 2008:45, 63; Cesar Garza-Guerrero 1974:418, Leavitt 1996:528; Ps 137).

THE ASSERTION OF THE NEURO-PsYCHOLOGICAL IMPERATIVE

As a child moves into adulthood the neuro-plasticity of the brain decreases. In contrast to this malleable, rather passive pre-adult that is being influenced by the outer reality in order to form their inner reality, the adult has an established and stable internal world that determines how the external world is perceived and treated. The neuro-psychological circuitry that has now been established not only gives rise to the concept ‘self’, but becomes an imperative in how to impact on and shape the external world. Humans strive, as Wexler has pointed out, for internal-external consonance (2006:5). It makes them comfortable and gives them self-acknowledgement and overall meaning in life; they therefore do not have much of a choice other than to constantly match the external world with their internal world. Seeing that the neural networks are set and not easily changeable, the world has to be changed accordingly as the internal world is projected onto the external.

The learned internal structures filter, select and evaluate sensory input that is consistent with them (Wexler 2006:154–155) – we ‘see’ what we want to see, or perhaps, what we are forced to see. People are so strongly committed to their idiosyncrasies that their own view will be physically forced onto others if deemed necessary. In order to avoid such extremes, people seek out like-minded others to associate with. This is aptly illustrated in sports fans who might disagree on many things, but bond unconditionally and agree completely that their team should be successful. They wear the same clothes as their teams as token of their loyalty and even develop the same hormonal levels as the players they are watching and identifying with.14 Internal-external consonance is also achieved by spontaneously seeking out the familiar which is experienced as pleasurable (Zajonc 1970),15 irrespective of the objective qualities of that which is familiar (Wexler 2006:155), whether it be a face, music, food, building, landscape, etcetera. The blind allegiance to a political party on own soil, because it was the lifelong party of the parents (family), is well-known. Even if the particular political party fares badly at the polls and this information creates dissonance within internal convictions, it is nevertheless defended without question. The opposition’s victory is usually discredited, ignored, re-interpreted or forgotten (Wexler 2006:160, 169) to alleviate the feeling of dissonance. A sudden switch to the new party becomes near impossible as the internal representations reject it. The latter has to change first and this, as has been pointed out, does not come easy or inexpensively in adulthood.

There are, however, situations where seeking out like-mindedness and the familiar is not possible and a disjunction or misfit with the internal structures becomes severe and tenacious. This is very applicable to what we read in Psalm 137. Wexler names bereavement and immigration as two such situations where the emotional experiences are remarkably similar. What is lost when the death of a loved one occurs, for instance a spouse? Wexler (2006) lucidly encapsulates the answer to this question: ‘... it is seeing, hearing, smelling, touching, and being touched by the other person. In other words, a large part of the interpersonal sensory environment that had become a large part of the internal representation of the external world is now gone ...’ (Wexler 2006:172)

It is also the feedback of the same worldview, values and ideologies, confirming the remaining partner’s ego identity that is lost. And therefore ‘... part of oneself has died’ (Wexler 2006:173). Apart from all the emotions during mourning, the ‘reviving’ or remembrance of the deceased through images, memories of or conversations about or her behavior, characteristics, and even medical symptoms’ (2006:173), becomes a desperate retrieving also of the self. It requires ‘grief work’ (Freed) of more or less a year to overcome the grief, an undoing of the familiar (e.g. spouse-oriented) neuronal interconnections and the formation of a new internal world. What is lost during immigration? Wexler again states: ‘The objects and activities of everyday life are most profoundly missed: food; music; social customs; language; landscape; and street corners, houses, and cafes ...’ (2006:179). Immigration to a large extent implies the loss of one’s identity (Leavitt 1996:526). Whether immigration is voluntary or forced (e.g. the Babylonian exile) will determine the intensity of the emotional experiences and also the adaptation of the immigrant (Aghkar 1995:1077). In

11. Reptiles do not play with their young, but mammals do (Wexler 2008:132).
12. Manstead (2008:xxxi), provides the following working definition of emotions: ‘Emotions can be defined as psychological states that comprise thoughts and feelings, physiological changes, expressive behaviors, and inclinations to act. The precise combination of these elements varies from emotion to emotion, and emotions may or may not be accompanied by overt behaviors. This complex of elements and behaviors is triggered by an event that is either experienced or recalled.’ Emotions are both bodily (e.g. C. Darwin, W. James) and culturally (e.g. C. Geertz) derived. Leavitt (1996:5) gives us as follows: ‘emotions are felt in bodily experience, not just known or thought or appraised’; see also Ekman (2008:106).
13. Psychologists differ on the number of emotions, as well as so-called ‘families’ of emotions and the characteristics of emotions (e.g. Manstead 2008:xxxi; Elman 2008; Lazarus 2008).
14. The fascinating psychological bond that exists between sports fans and their teams and the consequential bodily effect is tellingly exemplified by Wexler (2006:147). He points out that the testosterone levels of Brazilian soccer fans rose by 28%, after winning the 1994 World Cup, while those of Italy dropped by 27%, with no instrumental contact between fans and players.
15. See the striking title of R. Zajonc’s article, ‘Brainwash: Familiarity breeds comfort’ and the defense of his basic proposition in the area of emotion: ‘The mere repeated exposure of an unfamiliar stimulus is enough to increase one’s attraction to that stimulus. Repeated exposure makes words more positive, food more appetizing, strangers more acceptable’ (1970:33).

http://www.ve.org.za
Vol. 31 No. 1 Page 3 of 7
Verbun et Ecclesia

(Article #397)

Original Research

Verbun et Ecclesia

3

(page number not for citation purposes)
order to retain something of an internal-external consonance, immigrants usually create a microcopy of the familiar things 'back home', such as food, social customs and music. This is a non-violent way of the neuro-psychological imperative asserting itself and of denying the other culture. A total rejection of the other culture and all it represents in terms of its values, ideologies and symbols, can easily translate into a violent extermination thereof, of which we have a sad history since time immemorial (Wexler 2006:183–231). On the other hand, the new culture can in time (as is the case with bereavement) become appreciated, embraced and internalised to become part of old and newly formed internal neural networks as the immigrant develops a 'foreign individuation'. When these are activated there is a matching reverberation between inner and outer, creating a feeling of belongingness and acknowledgement.

VIEWING PSALM 137 THROUGH THE LENS OF THE NEURO-PSYCHOLOGICAL IMPERATIVE

After this rather lengthy introduction to the neuro-psychological imperative it is now time to turn to Psalm 137 and to view it through this lens. General consensus exists amongst commentators on both the formal poetic beauty of Psalm 137 as well as its effective and affective articulation of the temporal loss due to the exile experience; this is so in spite of the horrible loss brought about by the extermination of the enemy infants. It is a poem consisting of three clearly demarcated stanzas comprising two, one and two strophes respectively (Stanza I: vv. 1–4 [2 strophes: vv. 1–2, vv. 3–4]; Stanza II: vv. 5–6 [1 strophe: vv. 5–6]; Stanza III: vv. 7–9 [2 strophes: vv. 7, vv. 8–9]). Psalm 137 also exhibits a concentric structure with the beginning and end forming an inclusio (e.g. reference to Babel in vv. 1 and 8; see Allen 1983:240) with a strong focus on the central stanza (vv. 5–6). Commentators refer to this centre stanza as a Zion hymn of a strange kind, which formally also exhibits a chiastic structure. In the centre it lies its main thrust of a passionate longing for (i.e. a restored) Zion (Clifford 2003:274, 276; Brueggemann 1984:74). It is compiled of three Gattungen overlapping with the three stanzas: it opens with a communal lament, proceeds to the special kind of Zion hymn presented in the form of a self-imprecation or oath and ends with an imprecation against Judah's archrivals. Prinsloo (2000:286) therefore describes the whole of the psalm as a Mischtgattung. In spite of its different sections, there is a consensus that the psalm forms a coherent and persuasive unity with properly only vv. 3 as a rather redactional addition (Prinsloo 2000:288). The first stanza represents a looking back at the time in Babel, probably from Jerusalem, still in ruins, before the rebuilding of the temple (537–515 BCE), so as to make sense of the strong imprecation against the responsible perpetrators, especially Edom and Babylon. It is likely that the poet could have been a Levitical temple singer (vv. 5–6) (Ahn 2008:282; Anderson 1974:897).

Cesar Garza-Guerrero (1974) provides a neat link between the despair of Psalm 137 and culture shock. Culture shock is usually marked by three phases: immigrants or exiles go through, namely cultural encounter, reorganisation and a new identity (as is the case for mourners). The shock of the initial cultural encounter is described as follows:

Subjectively the experience is one of puzzlement … an admixture of feelings of … anxiety, sadness, hostility, desperation, a yearning to recover what was lost … reminiscent of the mourning related to the death of a loved object … Hand in hand … a growing sensation of discontinuity of identity emerges. It is as if out of his usual habitat, the newcomer no longer has the necessary corroborative external feedback for his ego identity.

(Cesar Garza-Guerrero1974:418)

Psalm 137 remains predominantly within the first phase of shock, perhaps with a little reorganisation but certainly not a new identity. Its ideology remains staunchly Zionist! Brueggemann (1984:51–121) correctly regards the psalm as one of disorientation and a psalm overflowing with emotions, ‘…van de schoonste door zijn sterke emoties … van diep-weemoedige herinnering tot nationaal-religieuz toevals trots en dan toorn en grimmige waakschrij ving.’ (Gemser 1968:199).

In the first stanza (vv. 1–4) the exiles find themselves in ‘ondersteboelang’ (Burden1991:124) where their neural networks cannot work properly because they were formed and ‘conditioned’ in Jerusalem. The physical Jerusalem where they could savour its towers, its ramparts and its citadels (Davidson 1998:440), where they could celebrate its festivals in the temple with accompanying smells of daily offerings, hear familiar voices of priests and fellow citizens speaking their language and feel warmed inside by the familiar and loved sounds of temple musicians and choirs as they perform Zion songs, is no more. Only bittersweet memories remain as the exiles deliberately recall (“21)22) Zion or Jerusalem while they sit weeping. Their inner worlds have no match here in the strange and foreign land of Babel (v. 4) 23) with its flat surfaces and covered with canals from the Euphrates and Tigris rivers, lined with Euphrates poplars (Eaton 2005:454). The only sounds they hear are sad ones, those of their fellow mourners (v. 1), or the agitating voices of their captors,22) mocking them in a foreign language, true, it is a song of Zion (v. 3). In Jerusalem they were people of status, the elites of society, here they are ‘irrigation ditch diggers’ (Ahn 2008:280). Along with other captives they are forced to do corveé labour which entails cleaning the canals preventing it from flooding (Ahn 2008:278, 279). This ‘bland new world’ is also shattered, Zion is in ruins and so their faith and hope. They have lost their identity and security, there is nothing in these new surroundings to confirm and acknowledge their inner, distinctive selves (Allen 1983:236; Ahn 2008:278–280; Davidson 1998:440; Zenger 1996:48).

The emotional reaction to the loss of the opening verses is that of utter sadness.23) This is also one of the typical first reactions during
bereavement where the bereaved is struck with passivity and numbness. Allen points out that this opening lament is akin to the funeral lament (Allen 1983:239, following Kellerman). The sitting and weeping in v. 1 is the typical posture of mourning (Briggs & Briggs 1907:885; Dahood 1970:269). The impossibility of singing or playing musical instruments, the latter themselves a visual display of deep sorrow as they hang silently on the trees (Schafera 2001:321) and moreover, the complete absence of singing a song of Zion or Yahweh on unholy ground, all vividly capture the exiles’ sorrow. The poet also underlines the atmosphere of death with sound play, ‘u’- assonance (first person plural endings, vv. 1-3) as well as ‘i’- alliteration (v. 2) (Allen 1983:239). Dahood 2002:282-283. The parallelism of the first two lines repeats the place of their pain (םינפבר in v. 1 and יכיה in v. 2) and the rhetorical question of v. 4 emphatically denies any joy. As we have seen, emotions always need objects. The loss mourned by the exiles is for (ruined) Jerusalem, their beloved and personified symbol ‘… which gave identity and security …’ (Allen 1983:239, citing Brueggemann).

In stanza II, vv. 5-6, the poet switches to the first person singular to present this hymn of complete allegiance to his beloved Jerusalem. Jerusalem is addressed as a person and elevated to something very special. This is done by way of calling a curse upon himself, that he may forever lose his ability as a temple musician to perform on the harp (‘may my right hand wither’) and to sing (‘may my tongue cling to my palate’), should he forget her. There is an acceptance of the small emendation of ותנוכ to ותנוכ in v. 5 (right hand ‘wither’ instead of ‘forget’); nevertheless, the wordplay still retains between these words (Prinsloo 2000:282; Anderson 1972:899). With the conspicuous chiasm that vv. 5-6 forms, the poet also formally underlines the solemnity of this oath of keeping Jerusalem alive through memory and hope. We find a mixture of emotions in this stanza, namely a tone of anger through the cursing of the self, but then also joy and pride in Jerusalem, symbolising his ultimate delight. Still within the ambit of mourning found in the previous stanza, this stanza too reminds one of ‘… a yearning to recover what was lost’, a ‘… reactivation in fantasy of past good object relations …’ (Cesar Garza-Guerrero 1974:418, 426). This is a clear example of the first stages of bereavement, of not letting go of the deceased. In foreign Babylonia the fond memory of beloved Jerusalem becomes an anchor and a glimmering hope of its future restoration! Here, there is no question of the further stages of bereavement-detachment, acceptance of the loss and a proceeding to a readjustment or adaptation and new identity (Flatt 1987). The keeping alive of Jerusalem through memory and hope, in a sense, resembles ‘micro-copying’ of the familiar, a desperate measure to abide with the neuro-psychological imperative to keep it actively ‘living’. This oath sounds like the utterances of some people who have become widowed and vow not to remarry to keep the memory of the deceased alive.

Moving on to the neurological basis of identity, Wexler (2006:212) points out how people unquestioningly invest in the manufacturing of ceremonial objects, often more in terms of time, money and effort than in the making of utilitarian objects. Why is this so? Ceremonial objects and the building of structures in time, money and effort than in the making of utilitarian objects. The imperative for Yahweh to ‘remember’ Edom in v. 7 is the retaliation for the repeated impetatives, יִדְרֶשֶׁנָּה עֲצָרַתָּה, of this ‘brother’ - enemy of Judah who incited Jerusalem’s destruction in 586 BCE, on her ‘day’ (Lam 4:21; Ezek 25:12; 36:5; Obad 10-14; see Schafera 2001:321). This is a befitting example of episodic memory (also present in the first two stanzas) where a past experience is recalled in detail in its specific context in time and place. In this case, it comprises all the gruesome deeds committed against the Judeans on Jerusalem’s ‘day’ and the obvious accompanying anger it evoked then and through recall later on. Emotion-laden events are more likely to be remembered than neutral everyday events as if ingrained in victims’ minds.
The redactional addition, v. 8c, ironically increases the hatred for Babel and for her convictions, our and our group’s ‘selves’. Part of our violence to defend and maintain our internalised ideologies forces to uphold this consonance and can even inspire physical violence to maintain neuro-environmental consonance (Wexler and mental array of our external environment and so acquire internal worlds stimulated and shaped by the whole physical world order against the destroyers thereof.

The neuro-psychological imperative provides an apt solution to piously and passively leave things in God’s hands to hopefully discover a new usable today. It is argued that it should not be taken literally, as it is wise to read Jeremiah 29 and Psalm 137 side by side’ and last verse of the psalm. Some put forward the unthinkable, ‘It is irresponsible to ignore or suppress these feelings because the suppressing of emotions during bereavement leads ‘other.’ It is irresponsible to ignore or suppress these feelings because the suppressing of emotions during bereavement leads to even greater emotional suffering later on. It is also not a implication that our neurological imperatives should be ignored. Psalm 137 might be wrong in its solutions but is not wrong in its deep-seated neurological or ideological experiences of the ‘other.’ It is irresponsible to ignore or suppress these feelings because the suppressing of emotions during bereavement leads to even greater emotional suffering later on. It is also not a solution to piously and passively leave things in God’s hands which often has the same effect as ignoring the demands of our established neural circuitry. It requires our own responsible hard work to literally ‘grow a new brain’ to hopefully discover a new consonance between a newly formed inner imperative and the new demanding outer reality within which we find ourselves.

CONCLUSION

The neuro-psychological imperative provides an apt understanding of the human search for an ego identity during childhood and the assertion of this established ‘self’ during adulthood. As social beings we first form neuro-psychological internal worlds stimulated and shaped by the whole physical and mental array of our external environment and so acquire an internal-external match. Only afterwards can we live fulfilled lives as we maintain neuro-environmental consonance (Wexler 2006:18). We are ‘driven’ to continuously match the internal and the external. Emotions provide us with strong driving forces to uphold this consonance and can even inspire physical violence to defend and maintain our internalised ideologies and convictions, our and our group’s ‘selves’. Part of our neuro-psychological make-up, to a certain extent, ‘dies’ when the internal and external match breaks down, as, for instance, in situations of bereavement and immigration. Our neural networks become depriv of the necessary stimulation and this explains the intensity of our emotional disarray in times of loss. It requires hard work to ‘cultivate’ a new internal world through new neural networks to match a newly external world.

The tenacity and intensity of the loss of their home countries in stories like that of the Polish immigrant Eva Hoffmann and of the Judean exiles in Psalm 137, become quite transparent when viewed through the lens of the neuro-psychological imperative. The loss of their homeland is not only similar to the death of a loved one, it is their ‘own death,’ that of their internal worlds that explains the utter pathos of their situations. Therefore, when anger creeps in towards the end of Psalm 137, it should not be seen as something unnatural or unexpected. One of the pressing issues faced by humans today is that anger is not the problem here, but rather the canalising thereof.

REFERENCES


The text emendation of explicitly increases the hatred for Babel and her purposes.

Verbum et Ecclesia