Buddha's Brain:

The Practical Neuroscience Of Inner Peace

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Topics

- Self-directed neuroplasticity
- The power of mindfulness
- Being on your own side
- The evolving brain
- Coming home to happiness
- The negativity bias
- Threat reactivity
- Taking in the good
- Clearing old pain
- Your loving nature
- Two wolves in the heart
- Empathy
- Compassion and lovingkindness
- Relationship virtues
- Assertiveness

Perspectives

Domains of Intervention

We can intervene in three domains:

- World (including relationships)
- Body
- Mind
- All three are important. And they work together.
- We have limited influence over world and body.

In the mind:

- Much more influence
- Changes are with us wherever we go

The history of science is rich in the example of the fruitfulness of bringing two sets of techniques, two sets of ideas, developed in separate contexts for the pursuit of new truth, into touch with one another.

J. Robert Oppenheimer

Common - and Fertile - Ground



When the facts change, I change my mind, sir.

What do you do?

John Maynard Keynes

Being with, Releasing, Replacing

- There are three phases of psychological healing and personal growth (and spiritual practice):
 - Be mindful of, release, replace.
 - Let be, let go, let in.
 - Mindfulness is key to the second and third phase, sometimes curative on its own, and always beneficial in strengthening its neural substrates. But often it is not enough by itself.
- And sometimes you need to skip to the third phase to build resources for mindfulness.

Know the mind.

Shape the mind.

Free the mind.

Self-Directed Neuroplasticity



One Simple Neuron . . .



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Hagmann, et al., 2008, *PLoS Biology*, 6:1479-1493.





All cells have specialized functions. Brain cells have particular ways of processing information and communicating with each other. Nerve cells form complete circuits that carry and transform information.

Electrical signaling represents the language of mind, the means whereby nerve cells, the building blocks of the brain, communicate with one another over great distances. Nerve cells generate electricity as a means of producing messages.

All animals have some form of mental life that reflects the architecture of their nervous system. Eric R. Kandel, 2006

The Mind/Brain System

- "Mind" = flow of information within the nervous system:
 - Information is <u>represented</u> by the nervous system.
 - Most mind is unconscious; awareness is an <u>aspect</u> of mind.
 - The headquarters of the nervous system is the brain.
- In essence then, apart from hypothetical transcendental factors, the mind is what the brain does.
- Brain = necessary, *proximally* sufficient condition for mind:
 - The brain depends on the nervous system, which intertwines with and depends on other bodily systems.
 - These systems in turn intertwine with and depend upon nature and culture, both presently and over time.
 - And as we'll see, the brain also depends on the mind.

Evolution is a tinkerer. In living organisms, new capabilities are achieved by modifying existing molecules slightly and adjusting their interaction with other existing molecules.

Science has found surprisingly few proteins that are truly unique to the human brain and no signaling systems that are unique to it.

All life, including the substrate of our thoughts and memories, is composed of the same building blocks.

Eric R. Kandel, 2006

We ask, "What is a thought?"

We don't know,

yet we are thinking continually.

Venerable Tenzin Palmo

Fact #1

As your brain changes, your mind changes.





Ways That Brain Can Change Mind

For better:

- A little caffeine: more alertness
- Thicker insula: more self-awareness, empathy
- More left prefrontal activation: more happiness

For worse:

- Intoxication; imbalances in neurotransmitters
- Concussion, stroke, tumor, Alzheimer's
- Cortisol-based shrinkage of hippocampus: less capacity for contextual memory

Fact #2

As your mind changes, your brain changes.

Immaterial mental activity co-occurs with, correlates with material neural activity.

This produces <u>temporary</u> changes in your brain and <u>lasting</u> ones. *Temporary* changes include:

- Alterations in brainwaves (= changes in the firing patterns of synchronized neurons)
- Changing consumption of oxygen and glucose
- Ebbs and flows of neurochemicals

The Rewards of Love



Tibetan Monk, Boundless Compassion



Christian Nuns, Recalling a Profound Spiritual Experience

Mystical > Baseline



Beauregard, et al., Neuroscience Letters, 9/25/06



Pain network: Dorsal anterior cingulate cortex (dACC), insula (Ins), somatosensory cortex (SSC), thalamus (Thal), and periaqueductal gray (PAG). Reward network: Ventral tegmental area (VTA), ventral striatum (VS), ventromedial prefrontal cortex (VMPFC), and amygdala (Amyg). K. Sutliff, in Lieberman & Eisenberger, 2009, *Science*, 323:890-891

Mind Changes Brain in Lasting Ways

- What flows through the mind sculpts your brain. Immaterial experience leaves material traces behind.
- Increased blood/nutrient flow to active regions
- Altered epigenetics (gene expression)
 - "Neurons that fire together wire together."
 - Increasing excitability of active neurons
 - Strengthening existing synapses
 - Building new synapses; thickening cortex
 - Neuronal "pruning" "use it or lose it"

Lazar, et al. 2005. Meditation experience is associated with increased cortical thickness. *Neuroreport*, 16, 1893-1897.





Some Physical Effects of Meditation

- Thickens and strengthens the anterior (frontal) cingulate cortex and the insula. Those regions are involved with controlled attention, empathy, and compassion – and meditation improves those functions.
- Less cortical thinning with aging
- Increases activation of the left frontal regions, which lifts mood
- Increases the power and reach of fast, gamma brainwaves
- Decreases stress-related cortisol
- Stronger immune system

Honoring Experience

One's experience *matters*.

Both for how it feels in the moment and for the lasting residues it leaves behind, woven into the fabric of a person's brain and being.



You can use your mind

to change your brain

to change your mind for the better.

This is self-directed neuroplasticity.

How to do this, in skillful ways?

Being on Your Own Side

Self-Goodwill

- All the great teachers have told us to be compassionate and kind toward all beings. And that whatever we do to the world affects us, and whatever we do to ourselves affects the world.
- You are one of the "all beings!" And kindness to yourself benefits the world, while hurting yourself harms the world.
- It's a general moral principle that the more power you have over someone, the greater your duty is to use that power wisely. Well, who is the one person in the world you have the greatest power over? It's your future self. You hold that life in your hands, and what it will be depends on how you care for it.
- Consider yourself as an innocent child, as deserving of care and happiness as any other.

If one going down into a river, swollen and swiftly flowing, is carried away by the current -how can one help others across?

The Buddha

The good life, as I conceive it, is a happy life. I do not mean that if you are good you will be happy; I mean that if you are happy you will be good.

Bertrand Russell

Self-Compassion

- Compassion is the wish that a being not suffer, combined with sympathetic concern. Self-compassion simply applies that to oneself. It is not self-pity, complaining, or wallowing in pain.
- Studies show that self-compassion buffers stress and increases resilience and self-worth.
- But self-compassion is hard for many people, due to feelings of unworthiness, self-criticism, or "internalized oppression." To encourage the neural substrates of self-compassion:
 - Get the sense of being cared about by someone else.
 - Bring to mind someone you naturally feel compassion for
 - Sink into the experience of compassion in your body
 - Then shift the compassion to yourself, perhaps with phrases like: "May I not suffer. May the pain of this moment pass."
"Anthem"

Ring the bells that still can ring Forget your perfect offering There is a crack in everything That's how the light gets in That's how the light gets in

Leonard Cohen

The Power of Mindfulness

The Power of Mindfulness

- Attention is like a spotlight, illuminating what it rests upon.
- Because neuroplasticity is heightened for what's in the field of focused awareness, attention is also like a vacuum cleaner, sucking its contents into the brain.
- Directing attention skillfully is therefore a fundamental way to shape the brain - and one's life over time.

The education of attention would be the education <u>par excellence.</u> William James

How the Brain Pays Attention

Key functions:

- Holding onto information
- Updating awareness
- Seeking stimulation

Key mechanisms:

- Dopamine and the gate to awareness
- The basal ganglia stimostat

Challenges to Mindfulness and Concentration

- We evolved continually scanning, shifting, wide focus attention in order to survive: "monkey mind."
- This generic, hard-wired tendency varies in the normal range of temperament, extending from "turtles" to "jackrabbits."
- Life experiences in particular, painful or traumatic ones - can heighten scanning and distractibility.
- Modern culture with its fire hose of information and routine multi-tasking - leads to stimulation-hunger and divided attention.

Individual Differences in Attention

	Holding Information	Updating <u>Awareness</u>	Seeking <u>Stimulation</u>
High	Obsession Over-focusing	Porous filters Distractible Overload	Hyperactive Thrill-seeking
Mod	Concentrates Divides attention	Flexible Assimilation Accommodation	Enthusiastic Adaptive

Low Fatigues w/Conc. Small WM Fixed views Oblivious Low learning Stuck in a rut Apathetic Lethargic

Basics of Meditation

- Relax
- Posture that is comfortable and alert
- Simple good will toward yourself
- Awareness of your body
- Focus on something to steady your attention
- Accepting whatever passes through awareness, not resisting it or chasing it
- Gently settling into peaceful well-being

7 Neural Factors of Mindfulness

- Setting an intention "top-down" frontal, "bottom-up" limbic
- Relaxing the body parasympathetic nervous system
- **Feeling cared about** social engagement system
- Feeling safer inhibits amygdala/ hippocampus alarms
- Encouraging positive emotion dopamine, norepinephrine
- Panoramic view lateral networks
- Absorbing the benefits positive implicit memories

Increased <u>Medial</u> PFC Activation Related to Self-Referencing Thought



Gusnard D. A., et.al. 2001. PNAS, 98:4259-4264

Self-Focused (blue) and Open Awareness (red) Conditions (in the novice, pre MT group)



Farb, et al. 2007. Social Cognitive Affective Neuroscience, 2:313-322

Self-Focused (blue) vs Open Awareness (red) Conditions (following 8 weeks of MT)



Farb, et al. 2007. Social Cognitive Affective Neuroscience, 2:313-322

Ways to Activate Lateral Networks

- Relax.
- Focus on bare sensations and perceptions.
- Sense the body as a whole.
- Take a panoramic, "bird's-eye" view.
- Engage "don't-know mind"; release judgments.
- Don't try to connect mental contents together.
- Let experience flow, staying here now.
- Relax the sense of "I, me, and mine."



Evolution

- ~ 4+ billion years of earth
- 3.5 billion years of life
- 650 million years of multi-celled organisms
- 600 million years of nervous system
- ~ 200 million years of mammals
- ~ 60 million years of primates
- ~ 6 million years ago: last common ancestor with chimpanzees, our closest relative among the "great apes" (gorillas, orangutans, chimpanzees, bonobos, humans)
- 2.5 million years of tool-making (starting with brains 1/3 our size)
 - ~ 150,000 years of homo sapiens
 - ~ 50,000 years of modern humans
- ~ 5000 years of blue, green, hazel eyes



Three Stages of Brain Evolution

Reptilian:

- Brainstem, cerebellum, hypothalamus
- Reactive and reflexive
- Avoid hazards

Mammalian:

- Limbic system, cingulate, early cortex
- Memory, emotion, social behavior
- Approach rewards

Human:

- Massive cerebral cortex
- Abstract thought, language, cooperative planning, empathy
- Attach to "us"





"With all due respects, I find your disparaging remarks about the 'reptilian brain' unnecessary"

Coming Home to Happiness

Reverse Engineering the Brain

What's the nature of the brain when a person is:

In peak states of productivity or "flow?"

Experiencing inner peace?

Self-actualizing?

Enlightened (or close to it)?

Home Base of the Human Brain

When not threatened, ill, in pain, hungry, upset, or chemically disturbed, most people settle into being:

- Calm (the Avoid system)
- Contented (the Approach system)
- **Caring** (the Attach system)
- Creative synergy of all three systems

This is the brain in its natural, *responsive* mode.

The Responsive Mode



Behind the Obscurations

Sam sees "peeping among the cloud-wrack . . . a white star twinkle for a while.

The beauty of it smote his heart, as he looked up out of the forsaken land, and hope returned to him.

For like a shaft, clear and cold, the thought pierced him that in the end the Shadow was only a small and passing thing: there was light and high beauty forever beyond its reach."

Tolkein, The Lord of the Rings

Some Benefits of Responsive Mode

- Recovery from "mobilizations" for survival:
 - Refueling after depleting outpourings
 - Restoring equilibrium to perturbed systems
 - Reinterpreting negative events in a positive frame
 - Reconciling after separations and conflicts
 - Promotes prosocial behaviors:
 - Experiencing safety decreases aggression.
 - Experiencing sufficiency decreases envy.
 - Experiencing connection decreases jealousy.
 - We're more generous when our own cup runneth over.

But to Cope with Urgent Needs, We Leave Home . . .

- Avoid: When we feel threatened or harmed
- Approach: When we can't attain important goals
- Attach: When we feel isolated, disconnected, unseen, unappreciated, unloved

This is the brain in its *reactive* mode of functioning - a kind of inner homelessness.

The Reactive Mode



Reactive Dysfunctions in Each System

- Avoid Anxiety disorders; PTSD; panic, terror; rage; violence
- Approach Addiction; over-drinking, -eating, gambling; compulsion; hoarding; driving for goals at great cost; spiritual materialism
- Attach Borderline, narcissistic, antisocial PD; symbiosis; folie a deux; "looking for love in all the wrong places"

The Negativity Bias

Negativity Bias: Causes in Evolution

- "Sticks" Predators, natural hazards, social aggression, pain (physical and psychological)
- "Carrots" Food, sex, shelter, social support, pleasure (physical and psychological)
- During evolution, avoiding "sticks" usually had more effects on survival than approaching "carrots."
 - <u>Urgency</u> Usually, sticks must be dealt with immediately, while carrots allow a longer approach.
 - Impact Sticks usually determine mortality, carrots not; if you fail to get a carrot today, you'll likely have a chance at a carrot tomorrow; but if you fail to avoid a stick today whap! no more carrots forever.

Negativity Bias: Some Consequences

- Negative stimuli get more attention and processing.
- We generally learn faster from pain than pleasure.
- People work harder to avoid a loss than attain an equal gain ("endowment effect")
- Easy to create learned helplessness, hard to undo
- Negative interactions: more powerful than positive
- Negative experiences sift into implicit memory.

Negative Experiences Can Have Benefits

A place for negative emotions:

- Anxiety alerts us to inner and outer threats
- Sorrow opens the heart
- Remorse helps us steer a virtuous course
- Anger highlights mistreatment; energizes to handle it
- Negative experiences can:
 - Increase tolerance for stress, emotional pain
 - Build grit, resilience, confidence
 - Increase compassion and tolerance for others

Health Consequences of Chronic Stress

Physical:

- Weakened immune system
- Inhibits GI system; reduced nutrient absorption
- Reduced, dysregulated reproductive hormones
- Increased vulnerabilities in cardiovascular system
- Disturbed nervous system

Mental:

- Lowers mood; increases pessimism
- Increases anxiety and irritability
- Increases learned helplessness (especially if no escape)
- Often reduces approach behaviors (less so for women)
- Primes aversion (due to SNS-HPAA negativity bias)

Neural Consequences of Negative Experiences

- Amygdala initiates stress response ("alarm bell")
- Hippocampus:
 - Forms and retrieves contextual memories
 - Inhibits the amygdala
 - Inhibits cortisol production
- Cortisol:
 - Stimulates and sensitizes the amygdala
 - Inhibits and can shrink the hippocampus
 - Consequently, chronic negative experiences:
 - Sensitize the amygdala alarm bell
 - Weaken the hippocampus: this reduces memory capacities and the inhibition of amygdala and cortisol production
 - Thus creating vicious cycles in the NS, behavior, and mind



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A Major Result of the Negativity Bias: Threat Reactivity

Two mistakes:

Thinking there is a tiger in the bushes when there isn't one.

- Thinking there is no tiger in the bushes when there is one.
- We evolved to make the first mistake a hundred times to avoid making the second mistake even once.
 - This evolutionary tendency is intensified by temperament, personal history, culture, and politics.
- Threat reactivity affects individuals, couples, families, organizations, nations, and the world as a whole.

Results of Threat Reactivity (Personal, Organizational, National)

Our initial appraisals are mistaken:

- Overestimating threats
- Underestimating opportunities
- Underestimating inner and outer resources
- We update these appraisals with information that confirms them; we ignore, devalue, or alter information that doesn't.
- Thus we end up with views of ourselves, others, and the world that are ignorant, selective, and distorted.

Costs of Threat Reactivity (Personal, Organizational, National)

- Feeling threatened feels bad, and triggers stress consequences.
- We over-invest in threat protection.
- The boy who cried tiger: flooding with paper tigers makes it harder to see the real ones.
- Acting while feeling threatened leads to over-reactions, makes others feel threatened, and creates vicious cycles.
- The Approach system is inhibited, so we don't pursue opportunities, play small, or give up too soon.
- In the Attach system, we bond tighter to "us," with more fear and anger toward "them."

A Poignant Truth

Mother Nature is tilted toward producing gene copies.

But tilted against personal quality of life.

And at the societal level, we have caveman/cavewoman brains armed with nuclear weapons.

What shall we do?

We can deliberately use the mind

to change the brain for the better.





Reactive Mode

Responsive Mode



Calm

Contentment

Caring

How to come home?

<u>How</u> to recover the natural, responsive mode of the brain?

Taking in the Good

Just <u>having</u> positive experiences is not enough.

They pass through the brain like water through a sieve, while negative experiences are caught.

We need to engage positive experiences actively to weave them into the brain.

How to Take in the Good

- 1. Look for positive **facts** and let them become positive <u>experiences</u>.
- 2. Savor the experience:
 - Sustain it.
 - Have it be emotional and sensate.
 - Intensify it.
- Sense that the positive experience is <u>soaking</u> into your brain and body - registering deeply in emotional memory.

Feeling Stronger and Safer

- Be mindful of an experience of strength (e.g., physical challenge, standing up for someone).
- Staying grounded in strength, let things come to you without shaking your roots, like a mighty tree in a storm.
- Be mindful of:
 - Protections (e.g., being in a safe place, imagining a shield)
 - People who care about you
 - Resources inside and outside you
- Let yourself feel as safe as you reasonably can:
 - Noticing any anxiety about feeling safer
 - Feeling more relaxed, tranquil, peaceful
 - Releasing bracing, guardedness, vigilance

Targets of TIG

Bodily states - healthy arousal; PNS; vitality

Emotions

- Views expectations; object relations; perspectives on self, world, past and future
- Behaviors reportoire; inclinations

Kinds of "Good" to Take in

- Things are alright; nothing is wrong; there is no threat
- Feeling safe and strong
- The peace and relief of forgiveness
- The small pleasures of ordinary life
- The satisfaction of attaining goals or recognizing accomplishments especially small, everyday ones
- Feeling grateful, contented, and fulfilled
- Being included, valued, liked, respected, loved by others
- The good feelings that come from being kind, fair, generous
- Feeling loving
- Recognizing your positive character traits
- Spiritual or existential realizations

Psychological Antidotes

Avoiding Harms

- Strength, efficacy --> Weakness, helplessness, pessimism
- Safety, security --> Alarm, anxiety
- Compassion for oneself and others --> Resentment, anger

Approaching Rewards

- Satisfaction, fulfillment --> Frustration, disappointment
- Gladness, gratitude --> Sadness, discontentment, "blues"

Attaching to "Us"

- Attunement, inclusion --> Not seen, rejected, left out
- Recognition, acknowledgement --> Inadequacy, shame
- Friendship, love --> Abandonment, feeling unloved or unlovable

Why It's Good to Take in the Good

- Rights an unfair imbalance, given the negativity bias
- Gives oneself today the caring and support one should have received as a child, but perhaps didn't get in full measure; an inherent, implicit benefit
- Increases positive resources, such as:
 - Postive emotions
 - Capacity to manage stress and negative experiences
- Can help bring in missing "supplies" (e.g., love, strength, worth)
- Can help painful, even traumatic experiences

Benefits of Positive Emotions

- The benefits of positive emotions are a proxy for many of the benefits of TIG.
- Emotions organize the brain as a whole, so positive ones have far-reaching benefits

These include:

- Stronger immune system; less stress-reactive cardiovascular
- Lift mood; increase optimism, resilience
- Counteract trauma
- Promote exploratory, "approach" behaviors
- Create positive cycles

How to use taking in the good

for healing painful, even traumatic experiences?

Clearing Old Pain

Using Memory Mechanisms to Help Heal Painful Experiences

The machinery of memory:

- When explicit or implicit memory is re-activated, it is re-built from schematic elements, not retrieved *in toto*.
- When attention moves on, elements of the memory get re-consolidated.
- The open processes of memory activation and consolidation create a window of opportunity for shaping your internal world.
- Activated memory tends to associate with other things in awareness (e.g., thoughts, sensations), esp. if they are prominent and lasting.
- When memory goes back into storage, it takes associations with it.
- You can imbue implict and explicit memory with positive associations.

The Fourth Step of TIG

- When you are having a positive experience:
 - Sense the current positive experience sinking down into old pain, and soothing and replacing it.
- When you are having a negative experience:
 - Bring to mind a positive experience that is its antidote.
- In both cases, have the positive experience be big and strong, in the forefront of awareness, while the negative experience is small and in the background.
- You are not resisting negative experiences or getting attached to positive ones. You are being kind to yourself and cultivating wholesomeness of mind.

Your Loving Nature

The Social Brain

- Social capabilities have been a primary driver of brain evolution.
- Reptiles and fish avoid and approach. Mammals and birds attach as well - especially primates and humans.
- Mammals and birds have bigger brains than reptiles and fish.
- The more social the primate species, the bigger the cortex.
- Since the first hominids began making tools ~ 2.5 million years ago, the brain has roughly tripled in size, much of its build-out devoted to social functions (e.g., cooperative planning, empathy, language). The growing brain needed a longer childhood, which required greater pair bonding and band cohesion.

All sentient beings developed through natural selection in such a way that pleasant sensations serve as their guide, and especially the pleasure derived from sociability and from loving our families.

Charles Darwin






































Ananda approached the Buddha and said, "Venerable sir, this is half of the spiritual life: good friendship, good companionship, good comradeship."

"Not so, Ananda! Not so Ananda!" the Buddha replied. "This is the entire spiritual life. When you have a good friend, a good companion, a good comrade, it is to be expected that you will develop and cultivate the Noble Eightfold Path."

[adapted from *In the Buddha's Words*, Bhikkhu Bodhi]

In the cherry blossom's shade there is no thing as a stranger

Issa



If there is anything I have learned about [people], it is that there is a deeper spirit of altruism than is ever evident.

Just as the rivers we see are minor compared to the underground streams, so, too, the idealism that is visible is minor compared to what people carry in their hearts unreleased or scarcely released.

(Hu)mankind is waiting and longing for those who can accomplish the task of untying what is knotted, and bringing these underground waters to the surface.

Albert Schweitzer









Two Wolves in the Heart

Us and Them

- Core evolutionary strategy: within-group <u>cooperation</u>, and between-group <u>aggression</u>.
- Both capacities and tendencies are hard-wired into our brains, ready for activation. And there is individual variation.
- Our biological nature is much more inclined toward cooperative sociability than toward aggression and indifference or cruelty. We are just very reactive to social distinctions and threats.
- That reactivity is intensified and often exploited by economic, cultural, and religious factors.
- Two wolves in your heart:
 - Love sees a vast circle in which all beings are "us."
 - Hate sees a small circle of "us," even only the self.

Which one will you feed?

In between-family fights, the baboon's 'I' expands to include all of her close kin; in within-family fights, it contracts to include only herself.

This explanation serves for baboons as much as for the Montagues and Capulets.

Dorothy Cheney and Robert Seyfarth

Feeding the Wolf of Love

- Focus on similarities between "us" and "them."
- Consider others as young children.
- Notice good things about neutral or unpleasant people.
- Bring to mind the sense of someone who cares about you.
- Keep extending out the sense of "us" to include everyone.
- Consider others as your mother or dear friend in a past life.
- Restraint about over-identifying with "us"
- Reflect on the suffering of so many people in the world.
- Self-generate feelings of kindness and love.



What Is Empathy?

It is sensing, feeling, and understanding how it is for the other person. In effect, you simulate his or her inner world.

It involves (sometimes subtly) all of these elements:

- Bodily resonance
- Emotional attunement
- Conceptual understanding
- Empathy is usually communicated, often tacitly.
- We can give empathy, we can receive it, and we can ask for it.

Neural Substrates of Empathy

Three simulating systems:

- Actions: "mirror" systems; temporal-parietal
- Feelings: resonating emotionally; insula
- Thoughts: "theory of mind"; prefrontal cortex
- These systems interact with each other through <u>association</u> and active <u>inquiry</u>.
- They produce an automatic, continual re-creation of aspects of others' experience.

Empathy Skills

- Pay attention.
- Be open.
- Read emotion in face and eyes.
- Sense beneath the surface.
- Drop aversion (judgments, distaste, fear, anger, withdrawal).
- Investigate actively.
- Express empathic understanding:
 - Reflect the content
 - Resonate with the tone and implicit material
 - Questions are fine
 - Offer respect and wise speech throughout

Can you attend to the postures, facial expressions, and movements of another person?

Can you attune to and feel something of the emotions of another person?

Can you have some sense of the thoughts, hopes, and concerns of another person?

Reflections about Empathy

You're more likely to get empathy if you're:

- Open, present
- Honest, real, authentic
- Reasonably clear
- Responsible for your own experience
- Taking it in when you feel felt
- Empathy can be negotiated:
 - Name it as a topic in the relationship
 - Follow NVC format: "When X happens, I feel Y, because I need Z. So I request _____."
 - Stay with it.

If we could read the secret history of our enemies, we should find in each [person's] life sorrow and suffering enough to disarm any hostility.

Henry Wadsworth Longfellow

Compassion and Lovingkindness



The Wisdom of Connection

A human being is a part of a whole, called by us"universe," a part limited in time and space. He experiences himself, his thoughts and feelings as something separated from the rest... a kind of optical delusion of his consciousness.
This delusion is a kind of prison for us, restricting us to our personal desires and to affection for a few persons nearest

to us.

Our task must be to free ourselves from this prison by widening our circle of compassion to embrace all living creatures and the whole of nature in its beauty.

Albert Einstein

The Buddha's Words on Lovingkindness

Wishing: In gladness and in safety, may all beings be at ease.

Omitting none, whether they are weak or strong, the great or the mighty, medium, short, or small, the seen and the unseen, those living near and far away, those born and to-be-born: May all beings be at ease.

Let none through anger or ill-will wish harm upon another. Even as a mother protects with her life her child, her only child, so with a boundless heart should one cherish all living beings; radiating kindness over the entire world: spreading upwards to the skies, and downwards to the depths, outwards and unbounded, freed from hatred and ill-will.

One should sustain this recollection.

This is said to be the sublime abiding.

When others address you, their speech may be timely or untimely, true or untrue, gentle or harsh, connected with good or harm, and connected with a mind of loving-kindness or inner hate.

- You should train thus: My mind will remain unaffected, and I shall utter no evil words; I shall abide compassionate for their welfare, pervading them with a mind of loving-kindness, and pervading the allencompassing world with a mind that is abundant, exalted, immeasurable, without hostility and without ill will.
- Even if bandits were to sever you savagely limb by limb with a twohandled saw, anyone giving rise to a mind of hate would not be carrying out my teaching.
- You should train thus: My mind will remain unaffected, and I shall utter no evil words; I shall abide compassionate for their welfare, pervading them with a mind of loving-kindness, and pervading the allencompassing world with a mind that is abundant, exalted, immeasurable, without hostility and without ill will.

The Buddha [adapted from The Simile of the Saw, trans. Bhikkhu Bodhi

Lovingkindness Practice

- Types of wishes
 - Safety
 - Health
 - Happiness
 - Ease
 - Types of beings
 - Self
 - Benefactor
 - Friend
 - Neutral
 - Difficult

Continually "omitting none" in all directions

Feeding the Wolf of Love

- Focus on similarities between "us" and "them."
- Consider others as young children.
- Notice good things about neutral or unpleasant people.
- Bring to mind the sense of someone who cares about you.
- Keep extending out the sense of "us" to include everyone.
- Consider others as your mother or dear friend in a past life.
- Restraint about over-identifying with "us"
- Reflect on the suffering of so many people in the world.
- Self-generate feelings of kindness and love.

Relationship Virtues

Wise Speech

Well-intended

True

Beneficial

Timely

Expressed without harshness

If possible: wanted

There are those who do not realize that one day we all must die. But those who do realize this settle their quarrels.

The Buddha
If you let go a little, you will have a little happiness.

If you let go a lot, you will have a lot of happiness.

If you let go completely, you will be completely happy.

Ajahn Chah

Benefits of Unilateral Virtue

- It simplifies things: all you have to do is live by your own code, and others will do whatever they do.
- It feels good in its own right; it brings peace of mind, "the bliss of blamelessness."
- It minimizes inflammatory triggers, and encourages good behavior in others.
- It stands you on the moral high ground.
- It teaches you what you can ask for from others

Assertiveness

Healthy Assertiveness

<u>What it is</u>: Speaking your truth and pursuing your aims in the context of relationships

What supports it:

- Being on your own side
- Self-compassion
- Naming the truth to yourself
- Refuges: Three Jewels, reason, love, nature, God
- Taking care of the big things so you don't grumble about the little ones
- Health and vitality

Healthy Assertiveness: How to Do It - 1

Know your aims; stay focused on the prize; lose battles to win wars

Ground in empathy, compassion, and love

Practice unilateral virtue

Healthy Assertiveness: How to Do It - 2

Communicate for yourself, not to change others

- Wise Speech; be especially mindful of tone
- NVC: "When X happens, I feel Y because I need Z."
- Dignity and gravity
- Distinguish empathy building ("Y") from policy-making
- If appropriate, negotiate solutions
 - Establish facts as best you can ("X")
 - Find the deepest wants ("Z")
 - Focus mainly on "from now on"
 - Make clear plans, agreements
 - Scale relationships to their actual foundations

So that all cubs are our own . . . So that all beings are our clan . . . All life, our relatives . . . The whole earth, our home . . .

May you know love, joy, wonder, and wisdom, in this life, just as it is.

Thank you!

Penetrative insight

joined with calm abiding

utterly eradicates

afflicted states.

Shantideva

Great Books

See <u>www.RickHanson.net</u> for other great books.

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See <u>www.RickHanson.net</u> for other scientific papers.

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Where to Find Rick Hanson Online



http://www.youtube.com/BuddhasBrain http://www.facebook.com/BuddhasBrain



Buddha's Brain: The Practical Neuroscience of Happiness, Love and Wisdom Available at Amazon

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