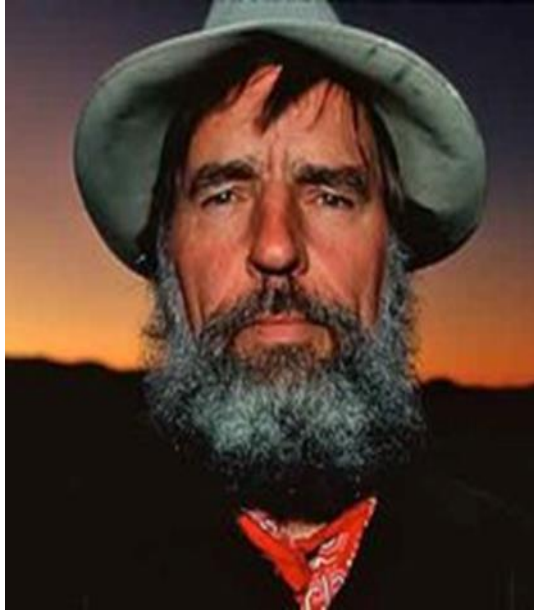




**THE WINDHOVER**

**EDWARD ABBEY**



- **Edward Paul Abbey** (1927 – 1989) American **environmentalist** and writer.
- **Abbey's** books and essays, such as *Desert Solitaire* (1968) and *Down the River* (1982), *The Monkey Wrench Gang* (1975) and *Hayduke Lives!*

•

# Significance of the title

- **The Windhover** BY GERARD MANLEY HOPKINS  
*To Christ our Lord*
- "The Windhover" is a **sonnet** written in 1887 by the English poet and Jesuit priest Gerard Manley Hopkins, dedicated to "Christ our Lord."
- soaring through the air in search of prey
- sees the bird as an expression of the beauty and majesty of God's creation
- God's creation is divinely beautiful.



# *Down the River*

- The collection has four parts.
- Part I : “Thoreau and Other Friends
- “Watching the Birds: the Windhover,”
- Part II is “Politicks and Rivers”
- Part III, “Places and Rivers,”
- Part IV, “People, Books and Rivers”
- REFERENCE
- 1.The Windhover by Gerard Manley Hopkins
- 2.The second coming by William Butler Yeats





- **Part I : “Thoreau and Other Friends**
  - **“Watching the Birds: the Windhover”**
- 
- **Abbey’s ten-day trip down the Green River in Utah with friends.**



- Nuthatch- flew into the cabin through an open window
- Forest radio code for fire ( 10-73)
- Bird crashes into glass and creeps head first- fell on – the trunk of a pine.

# TWO DIVISIONS

**FLORA**

PINE

CACTUS

**FAUNA**

CROCODILE

FALCON

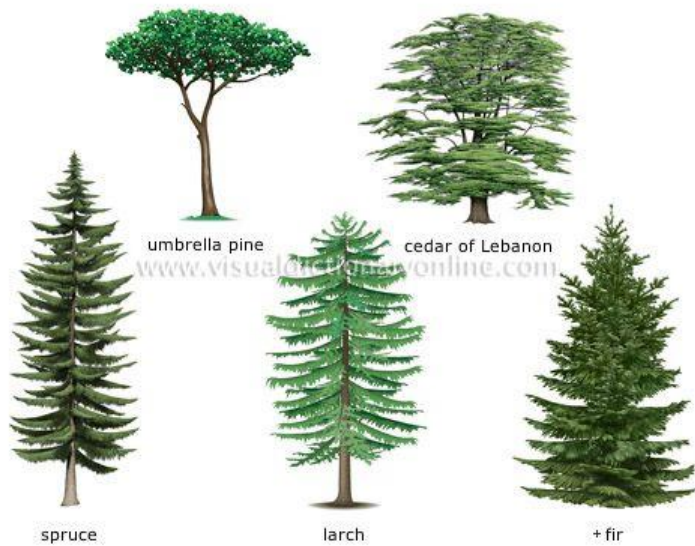


# PINE TREES

- **YELLOW PINE**
- **PINON PINE**
- **BLUE SPRUCE**
- **ALLIGATOR JUNIPER**
- **NEW MEXICAN LOCUST**







spruce

umbrella pine

larch

cedar of Lebanon

+ fir

# Along the rimrock of the escarpment

## **Manzanita**

- native to western North America. The leaves are alternate, thick, evergreen, and smooth-edged. The small, urn-shaped flowers are pink or white and are borne in terminal clusters.



# Agave (/ə'gɑ:veɪ/)

is a genus of monocots native to the hot and arid regions of the America, although some Agave species are also native to tropical areas of South America.



- **Desert spoon, common sotol or the sotol plant (*Dasyliirion wheeleri*) is a long-lived native of the Chihuahuan Desert of northern Mexico. This evergreen succulent shows off its large rosette of serrated blue to grayish-green leaves radiating out in a circular axis from the tall stem.**



- **The stamens that protrude from the center of the flower look like little pins stuck in a pincushion, which is how this easy to grow plant got its name. Pincushion ...**





## **MNEMONIC DEVICE**

**Names- character, essence & meaning**

**EINSTEIN – mathematician, violinist**

**Mysterious aspect of the Universe**

**Uni-verse not pluri-verse – comprehensibility.**

**Properties & behaviour- mathematical formulas.**

**Atomic bomb & Hiroshima – ignition of juniper twigs – heat, smoke and flame.**



**Mass- energy-emitting light.**

**Practical utility- atomic bombs- a defect.**

**Lizard stunning itself on a stone.**

**-time, space, Sun & Earth exist to serve  
the Lizard's interests.**

**Lizard – the world as perfectly  
comprehensible- reducible to a rational  
formula.**

**- The world is incomprehensible.**

**Creatures- you & me: Lizard & Einstein .**



- Modern science & technology- engineering techniques to measure, analyze & take apart the immediate neighbourhood.
- Knowledge is power-Francis Bacon ; power- game.
- But power doesnot lead to – wisdom, even less to – understanding- sympathy, love, physical contact- touching better means to fine an end.





- Mystery-confession of intellectual laziness-no more metaphysical apologetics.
- Contemporary Einstein's theories, astrophysics
- Significance of the latest computer printouts from Kitt Peak observatory & NASA.
- Computer tapers- GIGO Garbage in Garbage out.

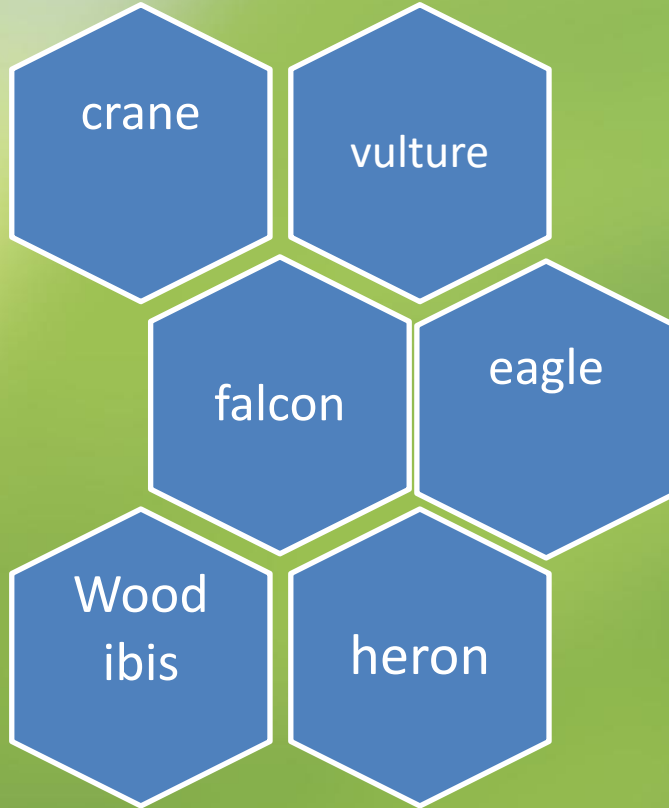


- Output equals input-numbers in, numbers out- nothing more.
- NINO- a double negation.
- Anything reduced to numbers and Algebra- not very interesting – useful for processing of data, physical relations, human beings- not interesting.
- But the vultures are interesting- raise one by one-communal roost-disperse- the four quarters of the firmament.
- Each patrol is chosen- allocated territory, rising so high and sailing- become invisible to the human eyes even aided by Binoculars.
- One actually finds its prey-everyone joins the feast- principle of evolutionary success-mutual aid.



- A scene of hawk catches the field mouse
- Turkey buzzard, Hors rodentine, craw& gizzard, hawk, vultures, buzzard-maggots, beetles, worms &bacteria.
- Internally want to join with vulture. Ref of eagle to Ernest Hemingway, Elinor wylie- red tail hawk is so handsome to watch- Victorian lady in skirts & jumping off a bridge.

# BIRDS





- Rain, thunder, lightening- the trees sway, the wind booms through the forest
- Small grey falcon-peregrine falcon- rare but not extinct.
- Robinson Jeffers- “ give your heart to the hawks”
- Vulture, eagle, hawk, falcon , crane , heron, wood ibis
- Wood ibis in the good old days of the Pleistocene epoch.

# Other plants

- Sycamore
- Alder
- Cottonwood
- Walnut
- Hackberry, wild cherry ,wild grape
- Hundred other kinds of trees
- Shrub & vine





# Women's Indigenous Knowledge & Biodiversity Conservation

Vandana Shiva

# Vandana Shiva

- Vandana Shiva (born 5 November 1952) is an Indian scholar, environmental activist, food sovereignty advocate, and anti-globalization author. Shiva, currently based in Delhi, has authored more than twenty books.
- She is one of the leaders and board members of the International Forum on Globalization (along with Jerry Mander, Ralph Nader, and Jeremy Rifkin), and a figure of the anti-globalization movement.<sup>[1]</sup> She has argued in favor of many traditional practices, as in her interview in the book *Vedic Ecology* (by Ranchor Prime).
- She is a member of the scientific committee of the Fundacion IDEAS, Spain's Socialist Party's think tank.<sup>[2]</sup> She is also a member of the International Organization for a Participatory Society.<sup>[3]</sup> She received the Right Livelihood Award in 1993, an award established by Swedish-German philanthropist Jakob von Uexkull, and regarded as an "Alternative Nobel Prize".





Shiva has been referred to as a an “eco warrior goddess” . She founded Navdanya – meaning “Nine Seeds” – more than two decades ago. According to its website, its organizational mandate is “to protect the diversity and integrity of living resources, especially native seed, and to promote organic farming and fair trade.” Under her guidance Navdanya has evolved into a national movement.





# Ecofeminism

- Ecofeminism - Shiva co-wrote the book “**Ecofeminism**” in 1993 with “German anarchist and radical feminist sociologist” Maria Mies. This combined alike and contrasting Western and Southern feminism, with “environmental, technological and feminist issues, all incorporated under the term **ecofeminism**”.



# Gender & diversity

- Construction of women as second sex-marginalisation
- Displacement & extinction of diversity
- Patriarchal world- economical exploitation for commercial gain
- Creation of monocultures
- Third world- biological resources –sustenance &well being

## Women's politics-politics of ecology

- Diversity as women's expertise-women's work & knowledge
- Diversity based- low-productivity systems
- High productivity of uniform & homogenous systems
- Multiple-user systems of forestry, agriculture & animal husbandry.





- For ex: betel & pepper vines, bananas, tapioca, drumstick, papaya, jackfruit, mango & vegetables.
- Monoculture & coconut palm -157 man-days per ha;960 man-days per ha.
- Dry-land farming systems of the deccan, shift from mixed cropping millets, pulses & oilseeds



## Women's role

- Inside & outside the house to sustain their families & communities.
- Seed preparation (visual discrimination), germination requirements, soil choice, fine motor coordination, sensitivity to humidity levels & weather conditions, micro-climatic factors, soil enrichment, sowing seeds requires physical dexterity & strength.



# Dairying & forestry

- Import from Europe and north America
- Breeding & feeding of farm animals- cows, buffaloes, pigs, chickens ducks & goats.
- Biomass – feed & fertilizer
- Fodder species, fuel value of firewood types

# Green revolution

- Yields of rice, wheat- dwarfing, monocultures, multi cropping
- Rice- for food, source of cattle fodder& straw for thatch.
- HYVs – control over seeds,& genetic resources.





# Custodians of biodiversity

- Produce, reproduce consume, & conserve
- Always discounted as non-work ,non-knowledge
- Concept of navdanya-sacred seed, increase the production of cereals
- Crop –diversity- soil fertility



# Biological patent

- Patents& biotechnology- two way theft.
- Genetic engineering- green technology.
- Neither natural nor safe.
- MONSANTO



## ***WOMEN'S INDIGENOUS KNOWLEDGE AND BIODIVERSITY CONSERVATION***

- ***Vandana Shiva*, an Advocate and an Environmental Activist is in Maharashtra. She fights against the dangerous practices in agriculture. She is looked upon as an ecowarrior goddess. Shiva stresses on the concept of Navdhanya, meaning nine seeds that calls for the organic farming.**
- **Ecofeminism deals with the concept of Bio culture, nature and the way women are suppressed at home and the behaviour of men illtreating women's contribution.**
- **Vandana shiva's ecofeminist text," women's Indigenous Knowledge and Biodiversity Conservation" portrays women as the goddess in reproduction as well as in farming, which seems inherent. The linkage between gender and diversity is portrayed. Vandana Shiva accuses the patriarchal world in terms of marginalization of women as well as the destruction of diversity.**
- **As Virginia Woolf in her popular work "A room of one's own" speaks about the requirement of space for women, Vandana Shiva in her text tells about the diverse space for women who are neglected by men. Men always think of economy rather than the usage of women's knowledge. Women are corrupted by the patriarchal world that creates monoculture, looking for more yield and economy. The third world countries such as India, China, and Japan have to depend on their well-being.**
- **The politics of women and ecology is discussed. women have got lot of expertise and are mentally powerful but are devoid of their role being played. The focus of women is diversity-based. Women, the so-called secondary sex are treated inferior to men.**



- **Monocropping brings profit in yield and economy results in low productivity. The multi diverse knowledge of women seems but multi cropping superior to men's homogenous system of agriculture. Women are potent in the breeding and feeding of farm animals that includes a greater variety like cows, buffaloes, pigs, chickens, ducks and goats.**
- **Shiva focusses on the multilayer cropping in Kerala that cultivates ginger, pepper, banana, mango, jackfruit and many. There men are employed as workers for instance, in coconut plantations. Man power is used in Kerala for multilayer crop "The annual labour requirement of a monoculture of coconut palm is 157 man- days per ha, while in a mixed cropping system, it is 960 man-days per ha". Millets and pulses can go with drylands where these can adopt to the climatic changes.**
- **Women's role in the choice of seeds and seed preparation are also significant. Women know to discriminate the seeds if it would germinate or not. They have the capacity to identify the soil that is potent to germinate, "Gender**



**studies confirm that women in India are major producers of food in terms of value, volume and hours worked.”**

- **Dairying and forestry are adopted from Europe and North America. Women do these too. There is always a remarkable contribution by women which is not valued by the patriarchal society. Women with their five motor skills understand the climate, seed and soil much better than men.**
- **The light is also thrown on the concept of green revolution and also dwarfing. Rice, for instance can be consumed as a food and also is helpful for the cattle. This is the way green revolution must improve High Yield Varieties (HYV) come with the use of chemicals and fertilizer and thus bestows infertility in us. Human’s genetic functions get spoiled because of hybrid varieties, which are genetically modified.**
- **Women are called the ‘custodians’ for they possess the knowledge of the choice of seeds in sowing. Women are best known for the idea of reduction, reproduction, consumption and conservation. Women’s politics prevails in every household. Women’s role and indigenous knowledge have been discounted. The act of decision-making is done always by men.**
- **Diversity of soil is advisable. The idea of biological patent is also being advocated, accusing the corporate sectors, who extract work from rural women in fields and fail to acknowledge them. The task of green technology is applied in case of overpopulation where the need for food depends on the hybrid varieties. President Bush ruled in May 1992 stated that genetically engineered foods should be treated as ‘Natural’ and hence safe. Vandana Shiva makes us think in terms of ecofeminism here.**

