

## Disc 1

### The Journey Begins - Session 1

By Bill Mollison

1. Introduction
2. Permaculture Institutes
3. Permaculture Applications
4. Permaculture Defined
5. Toxins in Food
6. Rising Sea Levels
7. Perennial Pasture
8. Mast and Pannage
9. Marshes and Mangroves
10. Supporting Functions

### Lifeweb – Session 2

By Bill Mollison

1. Learning Permaculture
2. Source and Sink
3. Compressed Air
4. Yield
5. Housing Insulation
6. Methodology of Design
7. Inputs and Outputs
8. Chook Heated Glass House

### Methods of Design – Session 3

By Bill Mollison

1. Energy and Zones
2. Sector Planning
3. Observe Nature
4. Observation to Design Strategy
5. Experiential Aspect to Design
6. Zone Planning
7. Water Overview
8. Slopes
9. Crops
10. House Placement
11. Overview

## Disc 2

### Overview and Review – Session 4

By Geoff Lawton

1. Ethics
2. Life Web
3. Elements in Design
4. Zones
5. Sectors
6. Hemispheres
7. More on Sectors
8. Maps
9. Design Process
10. Worldview
11. Functions of a Designer

### Concepts and Themes in Design – Session 5

By Bill Mollison

1. Directives
2. India
3. Serial Evolution
4. Science
5. Arctic Dreams
6. Birch
7. Fractals
8. Aboriginal Maths
9. Lunar Cycles
10. Glass Blowing

### Resources – Session 6

By Bill Mollison

1. Knowledge and Information
2. Opportunistic Resources
3. Whale Story
4. Resources that Decrease
5. Resources that Destroy
6. Radioactivity
7. Avoidable Risks
8. Trees
9. Squid

## Disc 3

### Pattern Understanding – Session 7

By Bill Mollison

1. Traditional Patterns
2. Refraction Navigation
3. Bure Navigations Lessons
4. Undersea Light Path
5. Pattern Navigation Summary
6. Events
7. Order of Size

### Application of Pattern – Session 8

By Bill Mollison & Geoff Lawton

1. Orders
2. Application of Design
3. Banana Circles
4. Coconut Circles
5. Stacking the System
6. Edge Effect
7. Random Assembly
8. Farming with Ducks
9. Energy Audits
10. Termites
11. Sharing Information

### Climate and Landscape Profiles – Session 9

By Geoff Lawton

1. More on Pattern
2. Relations of Edge Effect
3. Climate Specifics
4. Temperate Biomass Equation
5. Australia and Permaculture
6. Tropic Biomass Equation
7. Observe Your Weeds
8. Arid Biomass Equation

## Disc 4

### Climates – Session 10

By Geoff Lawton

1. Temperate Grazing
2. Arid Soil
3. Pollard and Coppice
4. Climate and Landscape
5. Condensation/Evaporation
6. Living Resources
7. Profile of Landscape
8. Key Point
9. Water, Access, Structures

### Landscape Profiles – Session 11

By Geoff Lawton

1. Planting Slopes
2. Flatlands
3. Arid Landscape
4. Gabions
5. Runoff
6. Limonia
7. Water Harvesting
8. Dune Country

### Questions and Desert Lecture – Session 12

By Bill Mollison & Geoff Lawton

1. Swale Origin
2. Planting Patterns
3. Acid Alkaline
4. White Cedar
5. Weed Indications
6. Herb Spiral
7. Tropical Water Strategy
8. How Big is a Dam?
9. Swale Information
10. Borders and Blackberries
11. Limestone
12. Sun Angle Formula
13. Broom Species
14. Lecture – Desert Landscapes

## Disc 5

### Desert Resources – Session 13

By Bill Mollison

1. Gilgais
2. Erosion Gullies
3. Botanical Resources
4. Building Camaraderie
5. Kalahari Resources
6. Termite Mounds
7. Rodents
8. Gibber Desert

### Deserts and Islands – Session 14

By Bill Mollison

1. Termites Continues
2. 1421
3. Drylands
4. Coral Islands
5. Atoll pH and Soils
6. High Islands

### Islands and Wetlands – Session 15

By Geoff Lawton

1. PDC Learning
2. Volcanic Islands
3. Tsunami
4. Types of Lava
5. Islands and Coasts
6. School Garden
7. Wetlands Chinampas

## Disc 6

### Wetlands and Questions – Session 16

By Geoff Lawton

1. Chinampas Continued
2. Swale Case Study
3. Estuaries
4. New Orleans
5. Trompe
6. Compost
7. Local Diet
8. Gley

### Tree Energy Transactions (Part 1) – Session 17

By Bill Mollison

1. Trees in Action
2. Tree Relationships
3. Light Saturation
4. Albedo
5. Solar Factory
6. Wind
7. Cauliferous
8. Rain Makers
9. Isotopes
10. Rain Trees
11. Enaranado

### Tree Energy Transactions (Part 2) – Session 18

By Bill Mollison

1. Rain Transfer Bands
2. Adis Ababa
3. Ensete
4. Throughfall
5. Sublimation
6. Classes of Forest
7. Conservation Forest
8. Urban Production

## Disc 7

### Forests (Part 1) – Session 19

By Geoff Lawton

1. Dryland Food Forest
2. Coppice Forest
3. Pole Timber Forest
4. Forage Forest
5. Timber Forest
6. Establishing Forests
7. Nitrogen Fixation

### Forests (Part 2) and Questions – Session 20

By Geoff Lawton

1. Food Forests
2. Stacking the System
3. Trees in Communities
4. Orchard Conversion
5. Chicken Tractors
6. Questions

### Water (Part 1) – Session 21

By Geoff Lawton

1. Qualities of Water
2. Roof Water
3. pH Scale
4. Food Miles
5. Tree Disease
6. Tank Algae
7. World Water
8. Soy
9. Aquaculture
10. Energy Systems
11. Wallace Plow

## Disc 8

### Water (Part 2) – Session 22

By Geoff Lawton

1. Tanks
2. Biocides
3. Suburban Situations
4. Keyline
5. Swale
6. Revelations
7. Contours
8. Swale Profiles
9. Case Study

### Water (Part 3) Dams – Session 23

By Bill Mollison

1. Human Landscape
2. Barrier Dams
3. Valley Dams
4. Contour Dams
5. More on Swales
6. Botswana
7. Rainwater Issues
8. Radiation

### Water (Part 4) – Session 24

By Bill Mollison

1. Waste Water
2. Melbourne`s Engineers
3. Bronx Frontier
4. Gley Farm
5. Sewage
6. City Farms
7. Irrigation
8. Dryland Trees
9. Questions



## Disc 9

### Soils (Part 1) – Session 25

By Bill Mollison

1. Soil Composition
2. Soil Salting
3. Trail Ride
4. Components
5. Creation
6. Macrofauna
7. Respiration
8. Increasing
9. Poverty Flat
10. Large Scale
11. Additives

### Soils (Part 2) – Session 26

By Bill Mollison

1. Clay and Non-Wetting
2. Swale Effect
3. Change
4. Botswana
5. Sea of Cortez
6. Paddy Culture
7. Moving Earth
8. Ha – Ha
9. Ocher
10. Machines

### Soils (Part 3) – Session 27

By Geoff Lawton

1. Soil Life
2. Roots
3. Chemical and Biocide Cocktails
4. Dead Sea Valley
5. Enrichment
6. Sunshine Coast
7. Compost

## Disc 10

### Soils (Part 4) – Session 28

By Geoff Lawton

1. Compost
2. Activators
3. Corrections
4. Animals in Compost
5. Weeds in Compost
6. Toxins
7. How Much?
8. Worm Farms
9. Ben Hur

### Questions and Earthworks – Session 29

By Bill Mollison & Geoff Lawton

1. Questions
2. Locusts
3. Dams
4. Design vs Build
5. Common Earthworks
6. More Questions
7. Bamboo
8. Terraces

### Aquaculture – Session 30

By Bill Mollison

1. Aquaculture
2. Mixed Aquaculture
3. Prawn Pond
4. Kelp
5. Aquatic Plants
6. Trout
7. Lotus
8. Questions

## Disc 11

### Active Design – Session 31

By Geoff Lawton

1. Animal Use
2. Minerals
3. Design Case Study
4. A Garden Layout
5. Talking to Earth Movers

### Dam Case Studies – Session 32

By Geoff Lawton

1. Road Water
2. Stumps
3. Dams
4. Dam Slide Show
5. Sealing Dams
6. Rocks
7. Dam Slide Show Continues

### Housing (Part 1) – Session 33

By Bill Mollison

1. Reactive Temperate House
2. Scandinavia
3. Mass
4. Insulation
5. Air Movement
6. Earthen Floors
7. Bruce Effect
8. Deflective Wind and Sun
9. Heat
10. Desert House
11. Wet Tropical House
12. Another Desert House

## Disc 12

### Housing (Part 2) – Session 34

By Bill Mollison

1. Tropic House
2. Review
3. Earth and Water Shapers
4. Dravidian
5. Mud Houses
6. Three Day House
7. Rammed Earth
8. Straw and Renders
9. Settlement Pattern

### Housing (Part 3) – Session 35

By Geoff Lawton

1. Temperate to Subtropical
2. Radiant Heat
3. Review
4. Developing Countries
5. Tropical
6. Desert
7. Shade, Snow, Earth

### Questions and Permaculture Design Manual Chapter 14 (Part 1) – Session 36

By Bill Mollison & Geoff Lawton

1. Shrimp Ponds
2. Temperate Swale Planting
3. Hemp
4. Agave
5. Insurance
6. Road Gutters
7. Property Location Service
8. Avoidable Risks
9. Location Service Continued
10. Invisible Structures, Trusts

## Disc 13

### Permaculture Design Manual Chapter 14 (Part 2) – Session 37

By Bill Mollison

1. Trusts Continues
2. Church Stories
3. Credit Union
4. August Investments
5. Research Group
6. L.E.T.S.
7. Micro Banking
8. Informal Economy
9. Promissory Note
10. Permaculture Academy

### Permaculture Design Manual Chapter 14 (Part 3) – Session 38

By Geoff Lawton

1. Aloe Vera
2. Local Groups
3. Themes
4. P.E.T.
5. Markets
6. Bioregional Organisation

### Questions – Session 39

By Bill Mollison & Geoff Lawton

1. Slumping
2. Books
3. Faraday Effect
4. Soil Gases
5. Cane Toads and Fire Ants
6. Swale
7. Ethical Investment
8. Possums in New Zealand
9. Wombat
10. Keyhole
11. Zone 1 to 5
12. Consultancy
13. Aid Work

## **Assignment and Conclusion – Session 40**

**By Bill Mollison & Geoff Lawton**

1. Design Assignment
2. Making Plans – Group Discussions
3. Design Presentations
4. Certificates and Diplomas
5. Giving of the PDC Certificates
6. What are Bill and Geoff up to next?
7. Round Table Discussion
8. Closing Remarks