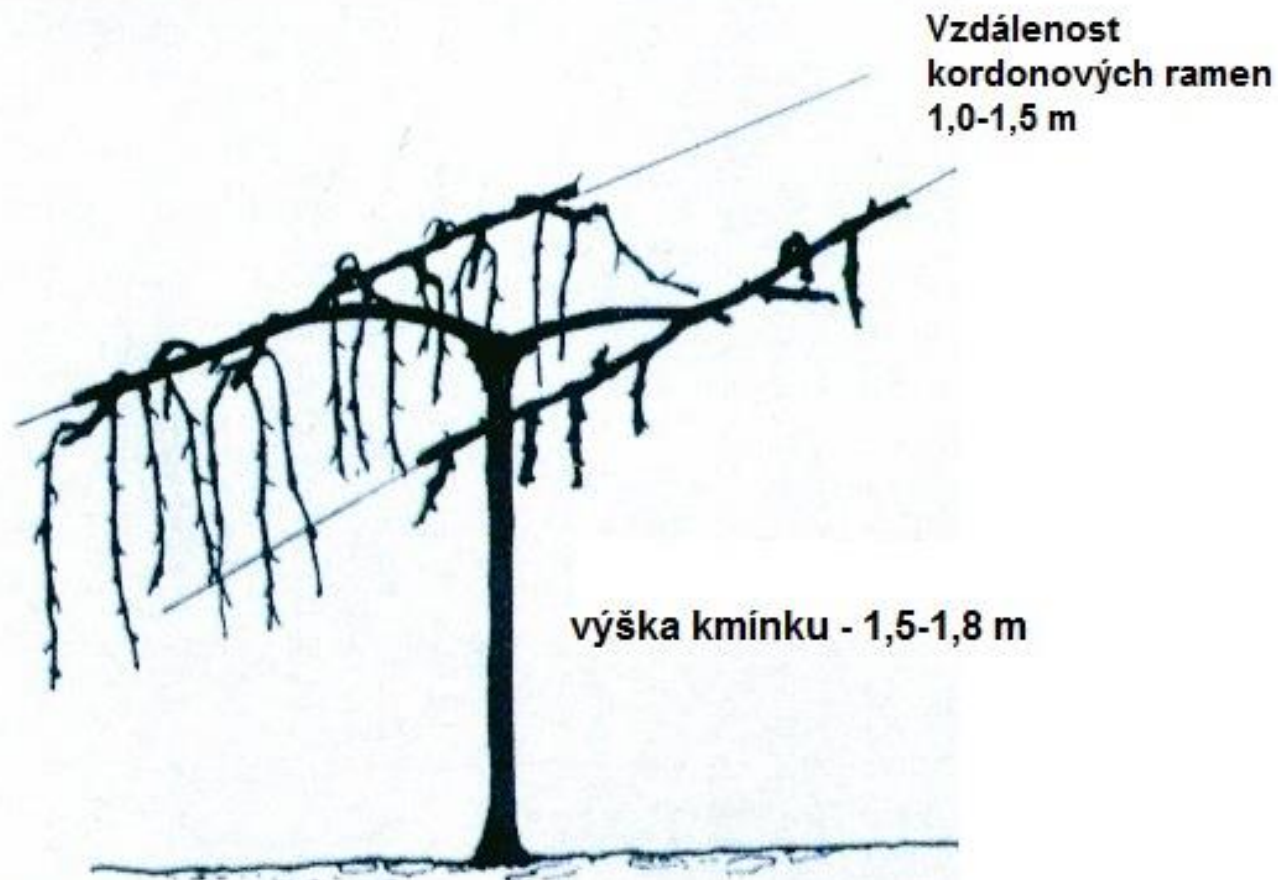


## Geneva Double Curtain (GDC)

- Row spacing: 3.0-3.6 x 2.4 m, trunk 1.5-1.8 m
- Foliage mass is divided into two
- Canopy is divided into two 'curtains' which hang down
- Semi-long pruning and spur pruning

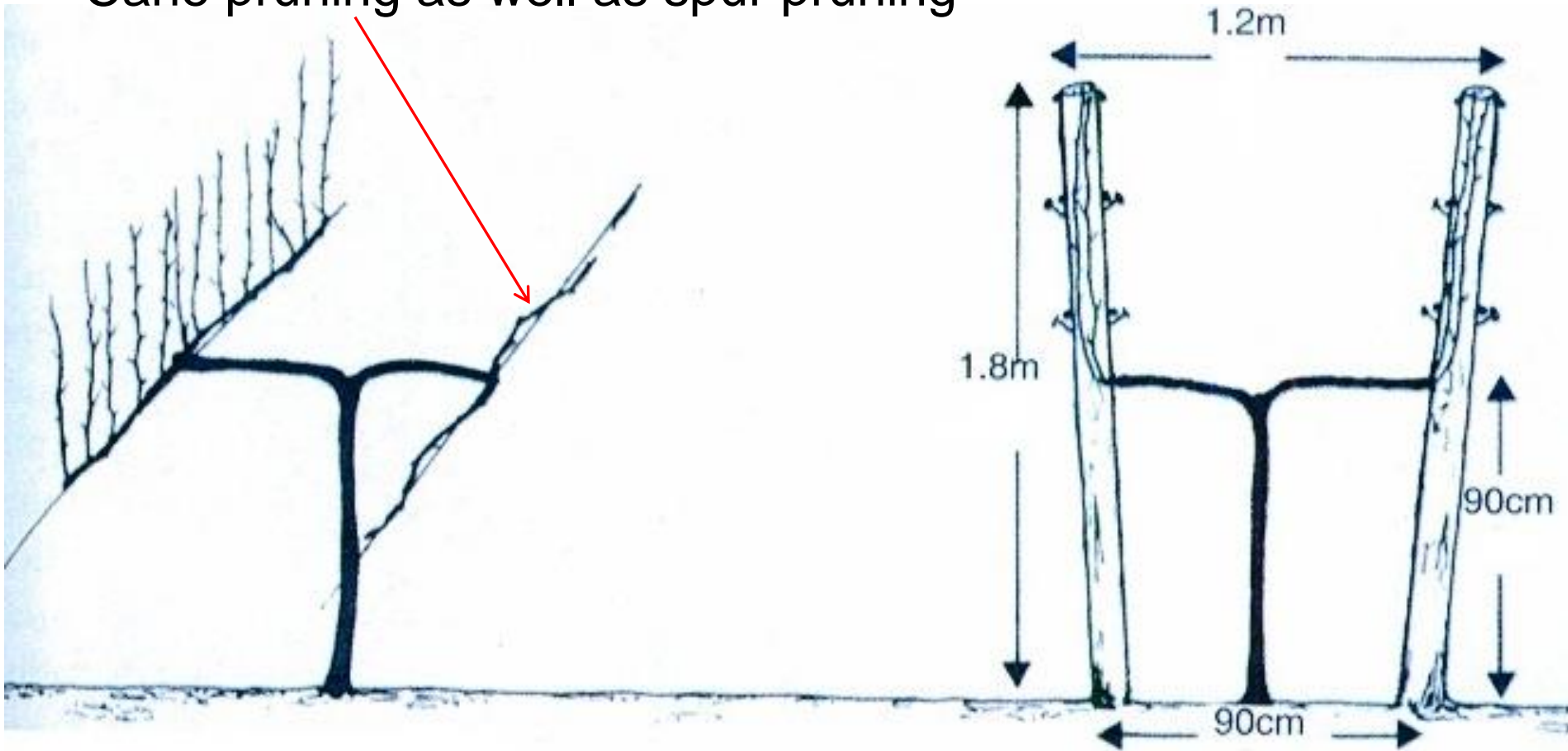


## Lyre training system

Row spacing: 3.0-3.6 x 2.4 m, trunk 0.6-0.9 m

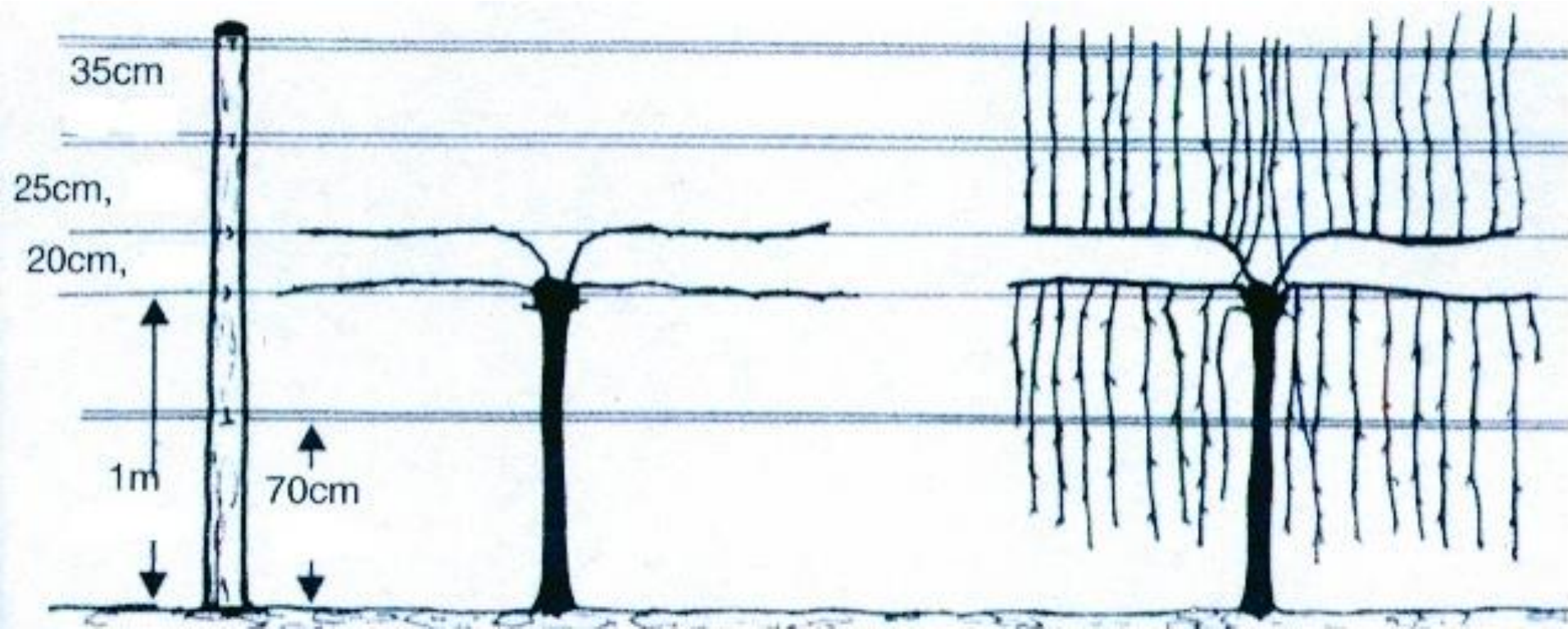
Foliage mass is divided and slightly tilted - better light penetration

Cane pruning as well as spur pruning



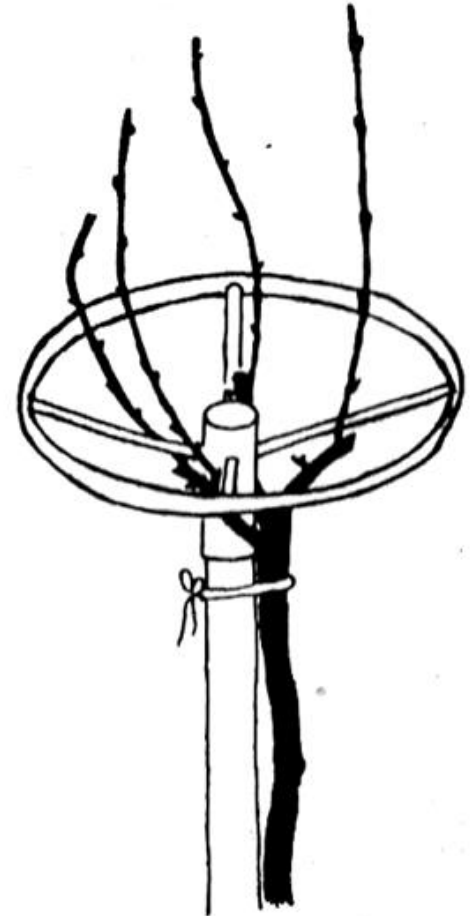
## Scott Henry training system

- Row spacing: 3.0-3.6 x 1.2-1.6 m, trunk 1 m
- Vertically divided canopy
- Cane pruning or cordons with spur pruning
- Disadvantage: Dominance of foliage oriented upwards



## Trierer Rad training system

- 1980s, dr. Paul Slamka in Trier (Germany)
- Vineyards on steep slopes (central Rhine region)
- No trellis
- A wooden pole functions as a support
- Plastic circle (“steering wheel”) is positioned at a 160cm height
- Two semi-long canes (6-8 buds) and renewal spurs
- Green annual shoots droop over the support structure





# Grapevine table varieties: Training systems



## Pergolas

- Suitable for table varieties
- High training system - pergolas
- Good light interception for foliage and grape clusters
- Grape clusters are not drooping inside the canopy but outside
- Positive impact of sunlight on grape quality and health condition
- Optimum loading of vine and control of fruit set during a growing season

- Row spacing: 3-4 x 1.0-1.4 m, trunk: 1.5 m
- Trellis: 160-180cm stakes, 2 poles, each 40 cm long: supporting wires are attached to the end of the poles









- Table varieties: cane pruning (1-2), tied to the trellis
- Cordon and spur pruning is not recommended - smaller clusters with smaller grapes, worse quality
- Regulation of amount of grape clusters: In week 3 after blossom loss
- Clusters droop freely into rows
- Clusters receive sufficient light thanks to pergola tilt, dry quickly, good for vineyard management







## Minimum pruning training system

- Origin: Australia, 1970s
- No winter pruning (or used only minimally)
- Requirements:
- Wide row spacing (min. 3 m)
- Low vineyard slope
- High supplies of water
- Supporting wire and trellis
- One-year old fruiting wood grows on the outside; foliage mass grows on the outside and does not congest vine inside



- Resistance to mould and fungi diseases is higher thanks to the grape cluster structure
- Clusters grow on the outside and receive plenty of sunlight
- Different microclimatic conditions for foliage zone and fruit zone: Morphology of clusters and grapes changes as well as biochemical processes in the grape
- Berries do not touch and partially fall off
- Smaller grapes





- Changes in skin and flesh have positive impact on grapes aroma
- Used for vineyards before grubbing up – minimization of costs for management

Preparation of vineyard for minimal pruning system

