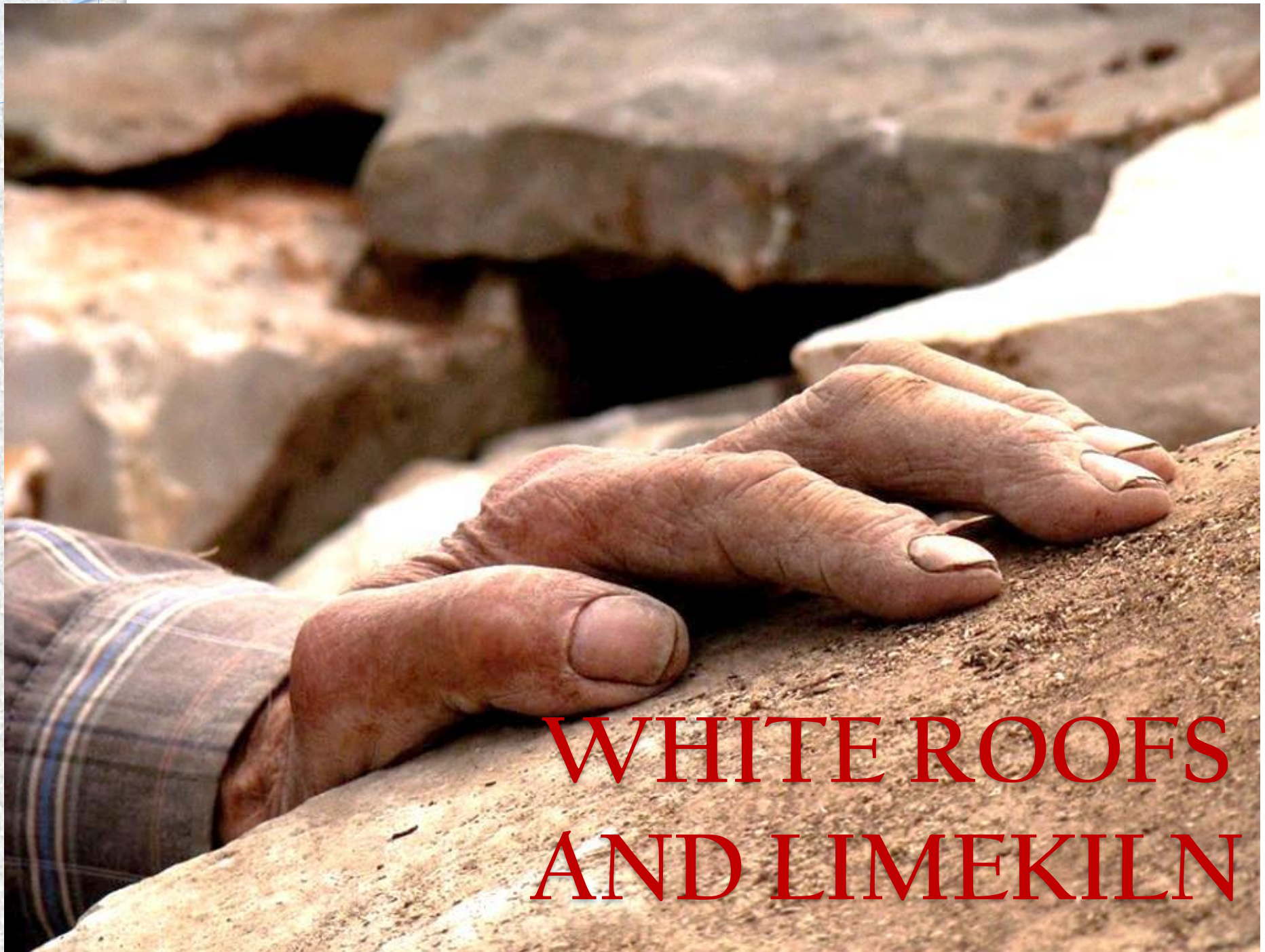




# WHITE ROOFS AND LIMEKILN

# MOTHER TONGUE

- developing local language
- describing japjenica
- Making conversation with builders of japjenica
- to interpret the verses: S. Pulišelić, "Japjeničar"

# NATURE

- my homeland in the past
- homeland layout
- People in the homeland
- Economy of the homeland region
- Natural conditions & culture of living
- orientation in space and time
- cultural and historical monumentsi

# PHYSICAL EDUCATION

- Outdoor games
- Climbing in nature
- Walking at a different pace



# MATHS

- measuring and estimating length in nature
- the circle
- radius and diameter

# MUSIC

- Traditional music
- singing: "Evo san ti doša"
- elements of musical creativity (improvisation of melodies and movements)

# ARTS

- sketch and illustration of japjenica - drywall construction (drawing texture)
- Model of japjenica



- Pucisca on Brac, until recently, were recognizable by its white stone roofs.



- The roofs were coated with lime.

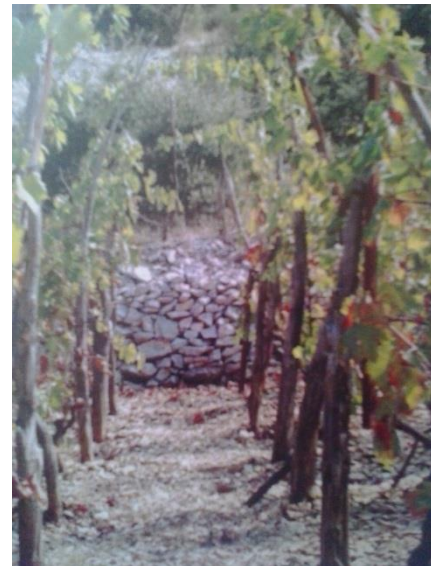


- Lime is calcium oxide, obtained by firing limestone or natural calcium carbonate.

- 
- Lime production dates back to the Roman period.
  - Lime production was significant economic activity, and the lime was the most important building-bonding material.

# Lime was used :

- for coating roofs
- for painting interior and exterior walls
- as a bonding material
- in agriculture





- Lime was produced in the limekilns.



- LIMEKILN – „JAPJENICA” – oven for baking lime



# The process of building *japjenica*:

- Choosing the place to build it:
  - surrounding rocks must be „soft limestone”, suitable for the combustion
  - sufficient amount of plate stone
  - plenty of branches and wood to maintain a fire in the furnace
  - close to the sea for transportation of lime





- *Mlatinje brdo*



- digging hole in the ground





- The hole is coated with large stones





- „dušnici” are made inside of the building - leading air in the furnace.









- A small hole is made at a ground level - the doors





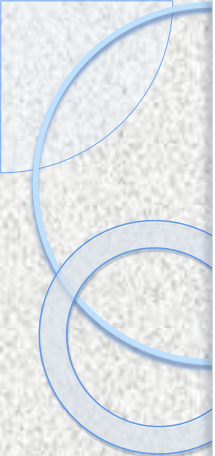




- The roof of *japjenica* is covering with large stone slabs (*svoltavanje*).









- The hole is closed with a large stone.





- Domed building raises above the surface  
It's *grota* – stone mass that will burn out to become lime.





- Plenty of smaller stones is piled up to fulfill *grota*.





- Around *japjenica barbakon* is built - insulating wall of earth and stones.









- Pure stone part is wrapped (protected) with thin stone slabs (*košujica*) before filling earth in *barbakon*.









- A huge stone (*pivac*) is put on the roof of *japjenica*.









- *Why can't we find preserved japjenica?*
- After 8 or 10 days of intense firing, stone roof collapses – the stone turned into lime.





