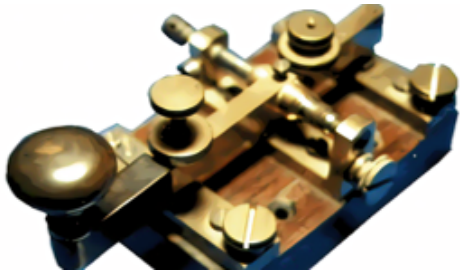
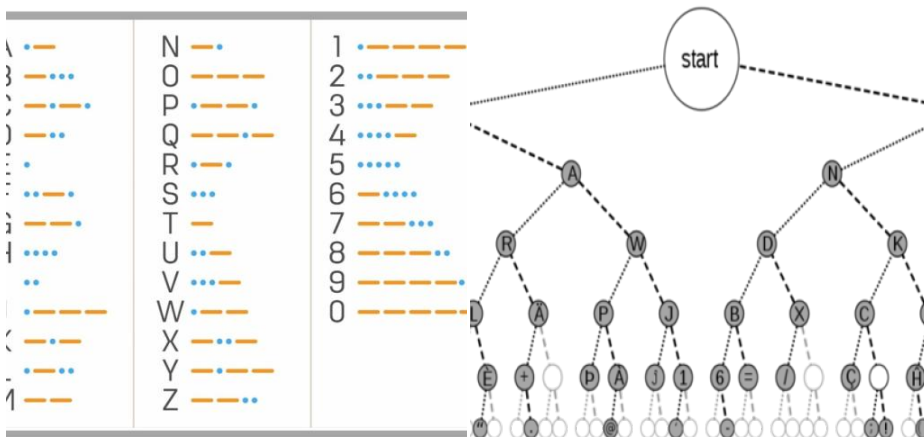


## Morse code



Find all the important information about Morse code as a transmission technology here.



## Morse rules

### Division of tasks

Transmitting station and receiving station has:

- Recorder: dictates / writes down characters
- Transmitter: sends characters
- Observer: observes the signs

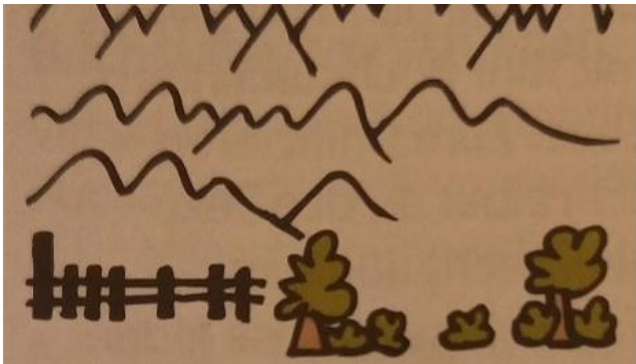
### Notes on transmission

- Always in the same rhythm
- A dash should be 5 times longer than a dot
- Observe the distance between the individual characters
- Agree whether to morse with or without acknowledgement sign ( . = understood / - = not understood)
- Keep the message as short and clear as possible
- Select the means of transmission according to the distance and conditions

## Means of transmission

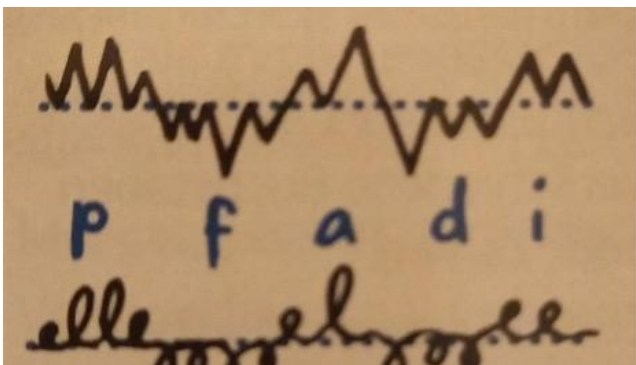
Day	Means of transmission	Condition	Transmission range
Night			
T	Morse flags	clear view	1-2 km
T	Arms of people	clear visibility	500-700 m
T	Heliograph (mirror)	Sun	20 km
T	Smoke	Calm	1 km
T+N	Whistle	Calm	500 m
T+N	Morse code	--	Cable length
T+N	Radio	same channel	10 km
N	Searchlight	clear view	30 km
N	Candle lamp	clear view	4 km
N	Flashlight	clear view	2 km

## Alternative transmission methods



### Painting a Morse code picture

Hide Morse code messages in the picture. For example, in the mountains, hill shapes, flowers, garden fence, etc.



### Fever curve

Dots are small peaks, dashes are large ones. The page is changed when words are exchanged.

## Program idea

### Connection with card reading

- Two groups receive a card with a dot on it. They have to move to the dot and send a message at a predetermined time. One group sends, the other receives. They then meet again at a meeting point.
- If necessary, plan a training block for Morse code beforehand.

## Post run

- Post run with various posts where the Morse code technique is taught.
- Prepare different means of transmission to try out

## Sources

Overview image:

<https://th.bing.com/th/id/R.3c297cd8ca1c853ea525abf6d027c128?rik=WMPwEejYcWqmxw&riu=http://www>

other pictures and text: Jungschar EGW Herzogenbuchsee