



Erasmus+



ROHDE & SCHWARZ

Youngsters On the Air

15 countries

Belgium
Finland
The Netherlands
Lithuania
Estonia
UK
Sweden
Italy
Spain
Slovakia
Czech Republic
Bulgaria
Poland
Romania
Croatia





Youngsters On the Air
Romania 2011



Youngsters On the Air
Belgium-The Netherlands 2012



Youngsters On the Air
Estonia 2013

SOTA – UK TEAM



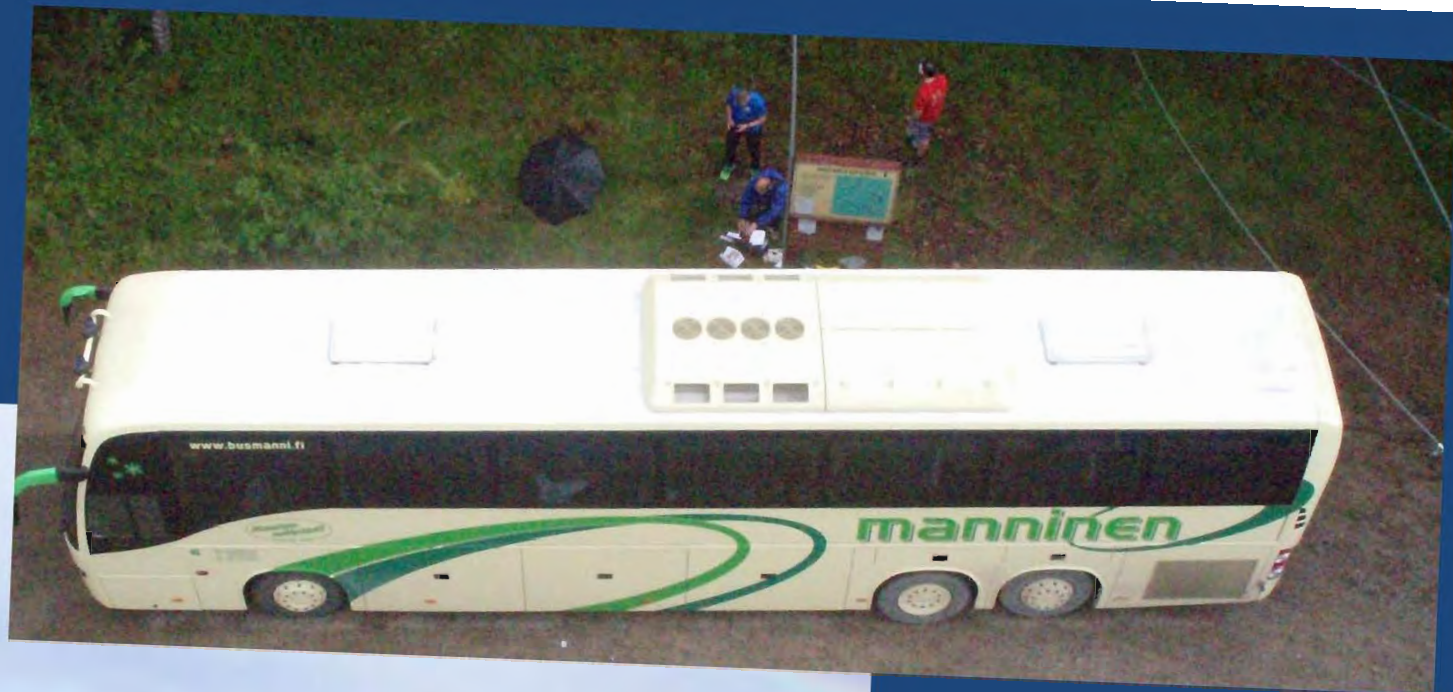
Visit to OH/JS-016 on 18/07/2014
(Kiiskilanmaki)

What is SOTA??

- The fastest growing activity in Amateur Radio
- You must:
 - Carry all of the radio equipment
 - Must walk the final distance to the summit
 - To activate the summit, four contacts must be made

Fri 14:46	OG3X/P on <u>OH/JS-016</u> Ricky on 8) (Posted by G6TUH)	14.280 ssb
Fri 14:40	OH/EA4GLP/P on <u>OH/JS-016</u> (Posted by MW6GWR)	14.280 ssb







STEREOTYPE GAME: TEAM WORK

This game was formed of 3 parts : the first part each team had to describe their global idea of another country. Italy had to describe Spain; we thought as Spain as the country famous for La Corrida, drinking Sangria and doing the really appreciated siesta. Our stereotype was mainly based on information we gathered from the net and our general knowledge about this country.

The second part was actually quite a challenging and interesting one. Each team was given a task to choose and discuss: travelling on a train with one of 8 different characters. The aim of this was too see the different stereotypes each of us has. My team chose to travel with the homeless person mainly because we all shared the same idea that this kind of person can really show you how to appreciate the things we have in everyday life that maybe sometimes we take for granted. Something that emerged and that we should all keep in mind is that even if this was just a game, most of us had shared the same idea on these categories of and we shouldn't just judge before we actually see that someone is actually how our mind told us.

The third part of the game involved the field of ham radio and this time the countries had to first analyze the different type of hams, classifying them in two main categories (operating ones and technical ones), as we discovered in every country and radio club we can find different hams like different is each person in this world. We thought that as people have different characters so will be their different way to behave and explain things regarding ham radio. Some people like doing lots of DIY and testing the pieces of equipment they build and others prefer just to buy a rig and antenna and get started on air. Then we can find contesters and cw operators and each of these groups live in their own world.

A visit to Scandinavian Weekend radio



- What is Scandinavian Weekend Radio
A Broadcasting radio managed by several enthusiasts. It is first and only medium/shortwave/VHF private radio station in Finland.
Located in Virrat.
Transmits on Medium/Short wave and VHF.

Group of about 40 youngsters and team leaders of YOTA visited SWR on Thursday, July 17th.



As station manager told, it is located on former chicken farm in beautiful landscape.

It has an contemporary studio



And a shelf with over 3 000 music CD's



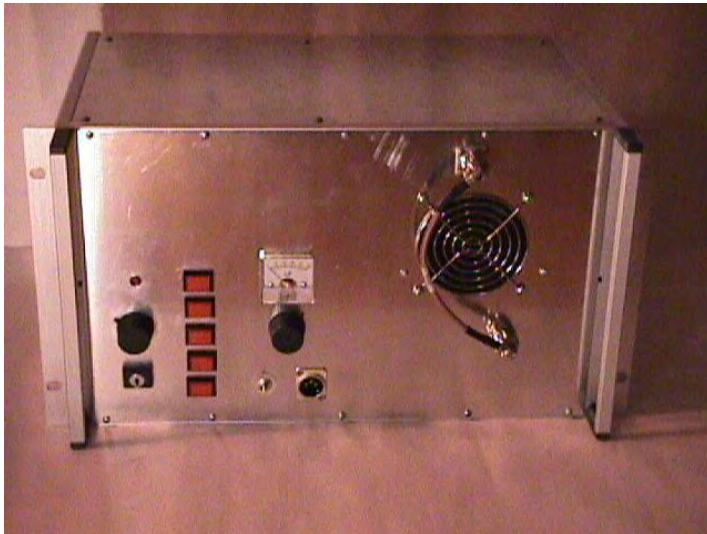
FM – 94,9 MHz transmitter



HF transmitter – and old converted marine transmitter



And an home made HF transmitter



There are several antennas in use.
Three element yagi for 25 m band and phased vertical dipoles for
VHF, along with 40 meters tower for medium wave.





We think that it was the last chance to youngsters to see such a Broadcasting station.

Mainly all local broadcasting MW/HF stations don't transmitt any longer.

A Big THANK YOU to Skandinavian Weekend Radio Team !



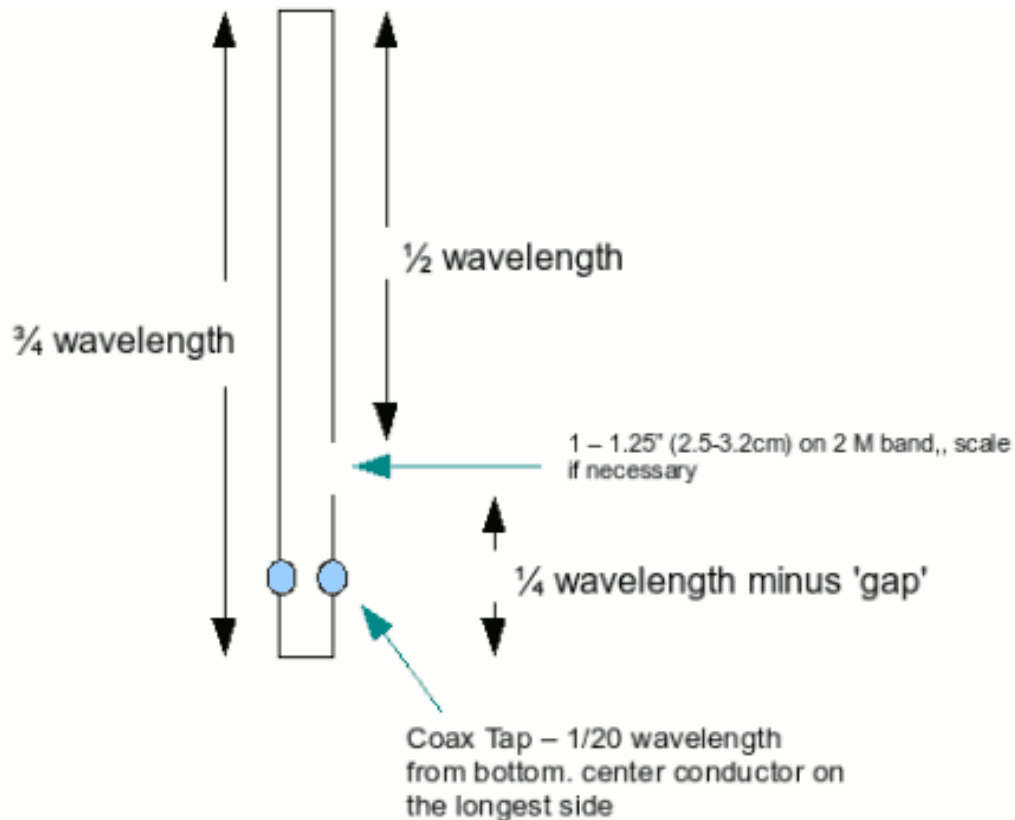
Antenna workshop

- LY team together with others participated in an antenna workshop.
- Every participant could build an antenna for him/herself
- Everyone could pick a favourite connector to his radio
- You can build this type of antenna in less than an hour
- Everyone was given the required parts and tools

Slim Jim antenna workshop - theory



- Some of these we found out after the workshop:



Antenna parameters:

- band: 2 meters
- length: 1,5 m.
- made of 420 Ohm feed line

Slim Jim antenna workshop - results



↑ wrapped

unwrapped →



Very good SWR
and resonance!

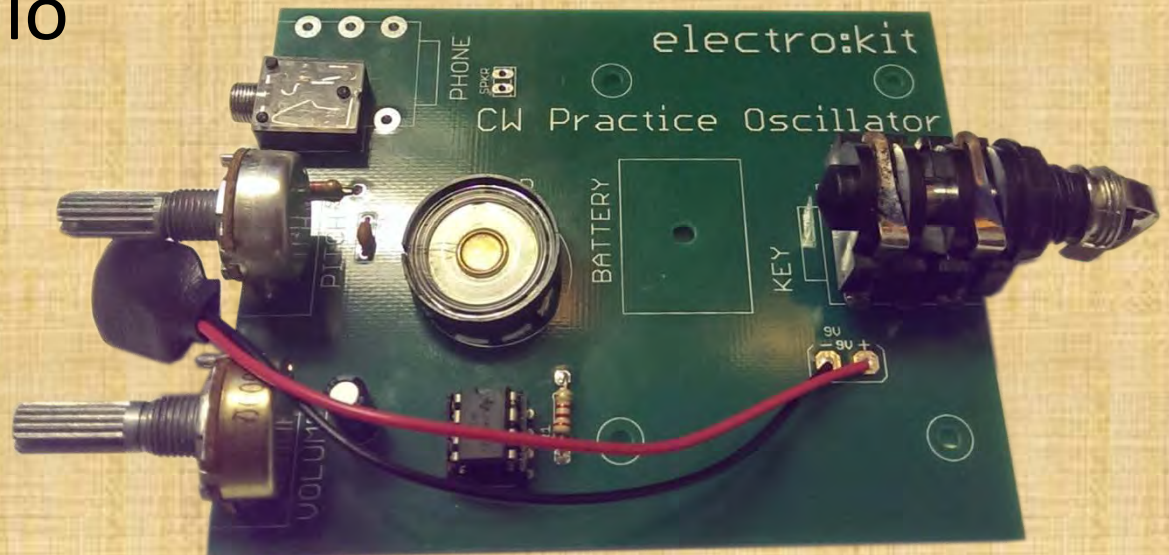
Outperforms the 5/8's and
groundplanes too!

CW workshop – Sweden

- Workshop by the Swedish team
- Oriented towards the technical side of our hobby...
- ..as well as the history of radio communication

CW workshop

- Meant to create a friendly environment for learning together
- Opportunity to develop and extend one's skills in amateur radio



CW workshop

- A total of 30 CW-trainers were built
- Brought people closer together thanks to the early stage at which it was performed
- Creativity is the only limit...

2014 YOTA PRESENTATIONS



VOACAP



V/U/HF STATION GUIDELINES



R.NET REPEATER NETWORK



DIGITAL HAM RADIO



Radio operation

Miška OM4CX, Team Slovakia

OH2YOTA



Our equipment

- YAGI antenna for short waves (HF) – 10m, 15m, 20m and 40m bands
- Dipole- 160m and 80m band
- YAGIs for 2m band
- Small YAGI- 2m/70cm for Satellite



- operating in teams based on the country in 2h slots
- CW/SSB operation
- About 2000 QSOs



Others

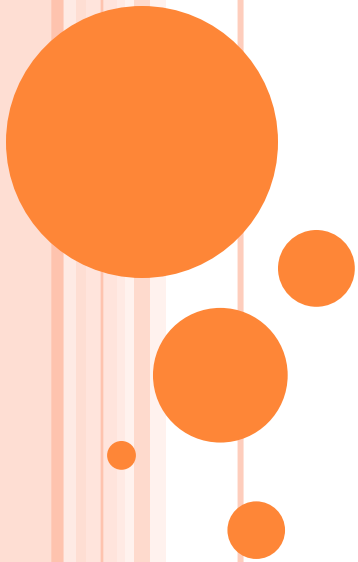


SP Team



Organizers chat on 2m

YOTA 2014



SAUNA

The sauna was quite an experience considering the fact that it was the first time for the majority of our team . These are some of our thoughts about it :

- Too hot for the human limit
- Amusing to see yourself melt
- Difficult to breathe
- A lot of fun considering the fact that we dove into the lake soon after.(three times)



CAMPFIRE

Last night the campfire gathered a lot of people to sing , laugh and strengthen the relationship between us . It was entertaining , we ate a lot of sausages and we promised to see each other next year.




- Here are some photos of the lake



OFF-AIR Contest

Probably the best contest in the world 😊

A brief overview

- ▶ We started it last year, because it was very popular in Estonia during the local hamfest.
 - ▶ We had 27 participants
 - ▶ Single and Multi-Single categories
 - ▶ 30 minutes, 6 periods, 3 bands, sprint rules!
 - ▶ We had several modes during the contest besides SSB (SSTV, RTTY, CW)
 - ▶ Bad vs the good guys.
 - ▶ But most important, we had fun!
- 

Do you want to see the
results?



Results for OFF-AIR contest 2014

Place	CFM QSO	Callsign	Remarks
1	91	ES9C	
2	84	ES1O	
3	83	OK1JD	
4	76	IT9RGY	
5	75	ES5JR	
6	72	LZ2CWW	100% clear log!
7	67	M0WUT	No signature
8	66	P33W	
9	65	OM5M	No signature
10	64	OL7M	
11	62	9A1RBZ	No signature
12	61	SQ2KLZ	
13	58	EA1IFF	
14	56	IT9DBF	
15	55	M0ZJO	
16	54	LZ1L	No signature
17	53	MM0KFX	
18	52	OK2JAS	No signature
19	50	MW0GWR	No signature
20	47	SA0BPG	
21	44	EA4URE	
22	42	LY5SM	No signature
23	41	LYZ1ZY	
24	39	OM3KFY	No signature
25	35	PD3SZN	
26	30	PD1CV	
27	14	PD2B	

Energizer games

- The activities to getting each other
- Games which allows to get a lot of positive energy and a motivation to work
- A really good fun for everyone



How they are organised on YOTA?

- Energizer games are organised twice a day
- They are prepared by teams (each team has to prepared at least one energizer game)
- They aren't mandatory, but everybody wants to take part in them



How it looks?



ARDF – Team The Netherlands



80m receiver





80m sprint		Kimmo	Lehtosaari	OH2JKU	
		Juhani	Lehtosaari	OH2MD	
Place	Team	Time	Foxe		
1	Kristjan, Mattias, Joakim	38:02	11	1 st	
2	Simon	40:03	11	2 nd	
3	Lazy Youngsters	42:32	11	3 rd	
4	Jakub, Honza	49:01	11		
5	Gervald, Ricky	50:39	11		
	Suzan, Lisa, Aroa	55:4	11	Tons of positive energy	
7	Dan, Adam, Jonathan	1:0	11		
8	Juri	4:1	11		
9	Juha, Antti	4:45	11		
10	Ondrej, Martin, Miska	5:25	11		
11	Kasper, Ilari	:02	11		
12	Dominic, Brano	9:15	11		
13	Magdalena, Karol	71:08	11		
14	Pieter, Robin	71:15	11		
15	Petar, Kristijan	101:59	11		
1	Mihaela, Marija	127:27	11	Finnish SISU, ei anneta periksi	
17	Radvilas	58:09	10		
18	Florin	82:22	8		
19	Black receiver team (38)	105:30	8		
20	Emil	58:32	7		
21	Jaime, Miguel	3:24	5		
22	Andres, Pavlo	4:29	5		
23	Bart, Florian	75:52	5		
24	Mihaela, Adriana	75:30	4		
25	Orazio, Gabrick	34:20	2		
2	Tommy - having good time	***	***		

not giving u



ERTC

HamSphere
Team Belgium

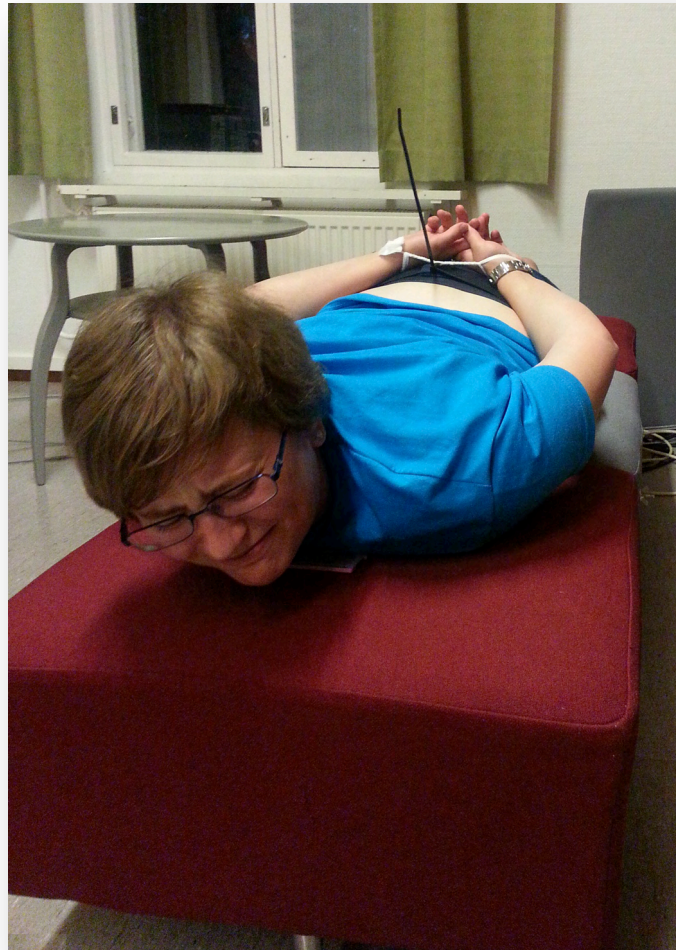
Operating HamSphere



- HamSphere has to be operated via a Windows / Mac / Linux computer.
- It gives you a virtual tranceiver interface.



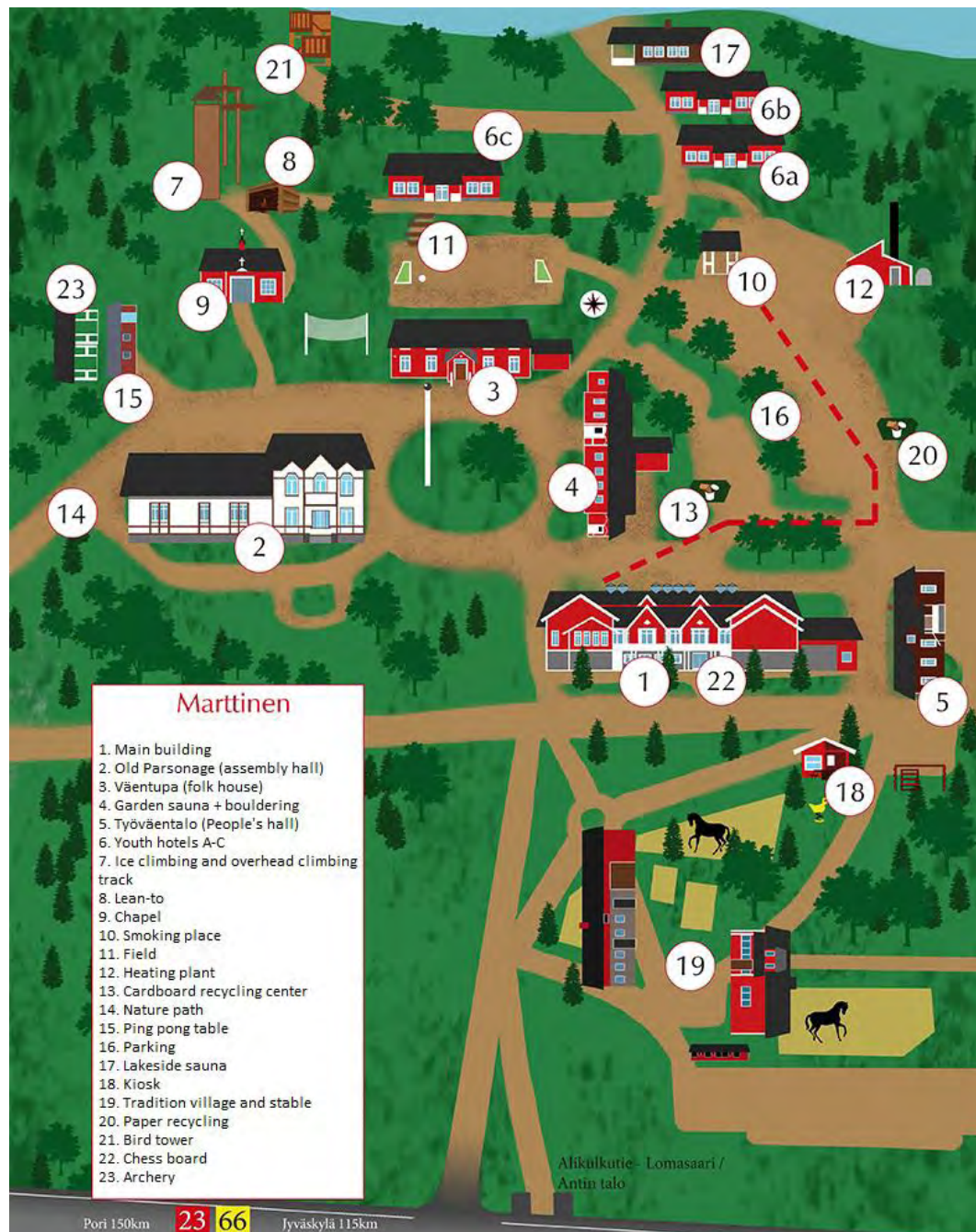
Solved internet problem



YOTA Treasure Hunt

by team LZ

YOTA Treasure Hunt is a challenge where the competitors have a map with marked locations of 23 hidden hints and one treasure.



The participants are separated in several teams who are given instructions to find the questions that are related to amateur radio and YOTA events.



One team consists of five people who have to find as fast as possible the questions and answer them correctly. Giving the right answers to the organizers, each team gets a new location to search in for the next question and so on.

Important in the Treasure Hunt is that one runs as quick as one can in order to go ahead of the others, but other than that

concentration is also vital – stop and look at the map or the question well before sprinting for it will only be of use.

The whole event ends when a team has been told where the treasure might be and, accordingly, finds it as well. The treasure itself is an unknown item that the teams have a vague description of. This year the description was along the lines of “a round and green item” and as it turned out - it was a watermelon.



The Treasure Hunt is an excellent exercise for team-building mainly because it requires a lot of

communication and coordination. It also combines physical with psychical effort and last but not least – having fun is granted.

*Thank you, team PA for providing such an
awesome opportunity for all of us!*

FRIENDSHIP

OH BOYS

YOTA '14, Virrat, Finland

BEING A FRIEND

- Small things and actions
 - such as when going to the store, offering a car ride to people you are unacquainted with
- Bigger things
 - being open; respecting and being honest to each other and their differences
- Others can't be friends with you if you don't do your part of the deal!
- Having foreign friends is the way to extend your view of the world
- Everyone needs a good friend, you can be one!

MEETING OLD FRIENDS

- Occassions such as YOTA is a good way to see people you wouldn't see otherwise
 - helps making life long friendships



MAKING NEW FRIENDS

- Here we have a really nice opportunity to make friends from many remote countries (“friendship without limits”)
- With something in common between people, the objective is a life long friendship
- It's great fun to meet new people!
- Especially with amateur radio, meeting people gives faces to voices
- Mutual games and activities are very good ice breakers and also a way to have fun
- Get out of the comfort zone and try socializing with others!

THANKS TO THE EUROPEAN COMMISSION!



Youngsters On the Air
www.ham-yota.com