

27. Juni 2015



# Internationales Jugend-Treffen / International Youth Meeting

**10:00 Uhr / 10:00 AM**  
**Raum / Room Liechtenstein**

**(Konferenzzentrum West / Conference Center West)**





# Lectures

- **Lisa PA2LS:**  
Introduction to YCP – *new* Youth  
Contesting Program IARU R1
- **Emil 9A9A, Nikša, 9A5W:**  
9A1A YCP including 9A1RBZ activities
- **Kay DO7KAY:**  
Differences between German and US  
American Youth Communities



# Youth Working Group

- Continue current activities
  - Promoting Kids Day which is every January, June
  - International Youth meeting HAM Radio Friedrichshafen
  - Outstanding HAM youth award
  - More youth coordinators
  - More PR and media



# Youngsters On The Air



- 1 week summer youth exchange
- 75 youngsters - 22 countries
- YOTA Italy 2015 (ARI)





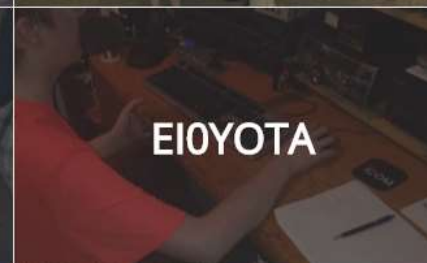


# Youngsters On The Air



December YOTA month

- 35 special callsigns
- Europe, Africa, Asia, Caribbean
- Award





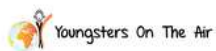
# Youngsters On The Air



New website: [www.ham-yota.com](http://www.ham-yota.com)

by ON3YH & ONL11943

← → ↻ www.ham-yota.com



HOME **NEWS** ▾ ABOUT ▾ SHOP ▾ YOTA MONTH GALLERY CONTACT 🔍

## GENERAL

All News

Publication

## YOTA SUMMER EVENTS

YOTA Italy 2015

YOTA Finland 2014

YOTA Estonia 2013

YOTA Belgium & The Netherlands 2012

## YOTA MONTH NEWS

YOTA Month 2014

YOTA Month 2013

# Youngsters On The Air

Spread the word! #HAMYOTA

ABOUT US

HELP US



# Youth Working Group

New program

- Education & training
- Youth Contest program



# Youth Contesting Program -YCP-

Young HAMs from IARU R1 member societies are invited to take part in amateur radio contests using “Top Gun” contest stations





# YCP

A youngsters is probably coming for the first time to the host country –

- youngsters will experience host country and share amateur radio knowledge with local youngsters



# Which stations?



Iceland

Norway

Denmark

Ireland

United Kingdom

Netherlands

Belgium

Germany

Luxembourg

France

Switzerland

Liechtenstein

Portugal

Spain

Andorra

Monaco

San Marino

Vatican City

Italy

Slovenia

Croatia

Bosnia and Herzegovina

Montenegro

Serbia

Macedonia

Bulgaria

Greece

Hungary

Romania

Georgia

Azerbaijan

Armenia

Iran

Turkey

Syria

Iraq

Cyprus

Lebanon

403A





9A1A

403A





**SK3W**

**9A1A**

**403A**





**SK3W**

**ES5TV**

**9A1A**

**4O3A**







**SK3W**

**ES5TV**

**9A1A – 9A1RBZ**

**403A**



# YCP

A group of  $\pm 6$  international youngsters and  $\pm 6$  domestic youngsters will take part per contest.

All levels of contest experience are accepted.





# YCP

- First contests: autumn 2015 – summer 2016
- 1 contest per station in the first year
  - In total 4 contests



# YCP

Details will be announced in the end of the summer.

*This first edition will be on experimental basis*



website: [iaru-r1.org](http://iaru-r1.org)

e-mail: [pa2ls@iaru-r1.org](mailto:pa2ls@iaru-r1.org)

[youth@iaru-r1.org](mailto:youth@iaru-r1.org)



International Amateur Radio Union – Region 1  
Working for the future of Amateur Radio

# 9A1A & 9A1RBZ – YOUNGSTERS CONTESTING PROGRAMME



# HRVATSKI DX KLUB

## (CROATIAN DX CLUB) – 9A1A



- Founded 1992.
- Located in western part of Zagreb at Lake Jarun.
- Two main activities:
  - Contesting, especially on HF bands
  - Amateur radio courses (not only for youngsters)

# HRVATSKI DX KLUB

## (CROATIAN DX CLUB) – who we are

- 9A1A was many times World or European winner in the biggest contests like : CQ WW DX Contest, CQ WW WPX Contest (all modes – CW, SSB, RTTY), ARRL DX Contest, etc.
- Club members in Single Operator categories also were many times World or European contest winners .
- Regardless to its capacity, our contest facility was not appropriate to follow other competitors and that was reason why we started to build new contest location in Y2K

# 9A1A Contest location



- We have chosen to build up contest location near village Kozjača, cca 40 km S from Zagreb
- It is sufficient distance from permanent living inhabitants, so no radiation problems !
- Construction of the location started in Y2000. Major part of the works were done between Y2010 – Y2012.
- Constructed as Multi - Multi operators station.

# 9A1A Contest location



- Contest location was built completely in accordance to Croatian laws.
- It has “Construction permit” and it passed Technical Acceptance Test organized by Ministry of Infrastructure.
- We got “Usage permit” for contest location.
- The first facility in Croatia which is 100% in accordance to Croatian laws !



# 9A1A Contest location



- We have 4 antenna towers with 36 antennas
- Antenna switchers are selecting direction of radiation. No antenna rotation except top antennas.
- Each band has 1500W linear amplifier .
- **Due to technology progress modifications and up-grade works will never end!**

# **HRVATSKI DX KLUB**

## **(CROATIAN DX CLUB) – Teaching**

- Courses for Novice class operators were on yearly basis.
- Results were : Small increase of Club members, and having age above 35!
- In Y 2012 the youngest contest team member was 43 years!
- That is why in 2012 we decided to change amateur radio teaching system and get youngsters on long term basis into Club activities!

# **HRVATSKI DX KLUB**

## **(CROATIAN DX CLUB) – Teaching Youngsters**

- The first target was to find project which can be attractive to young people and which can be “Input programme in the world of amateur radio”.
- We found ARISS project can be one of them.

# What is ARISS?



- **ARISS ( Amateur Radio on the International Space Station)**  
is commonn project of IARU and Space Agencies of USA, Russian Federation, Japan, European Union and some other countries.  
Project itself is VHF amateur radio communication between astronaut on International Space Station (ISS) and school students.  
That means on “ground level” ARISS is common project led by School and skilled amater radio operators.
- On behalf of Space Agencies, project is coordinated by NASA.
- On behalf of IARU, project is coordinated by group of radio amateurs.  
Chair is Gaston, oN4WF

# ARRIS in Croatia 2013

- As School partner we had chosen Technical School Ruđera Boškovića, located in Zagreb.
- School and Hrvatski DX klub had sent to NASA common application in March 2012. Within next 30 days it was accepted.
- But waiting time for contact with astronaut was cca 1,5 to 2 years, what meant it should be in Y 2013.
- Contacting with Gaston, ON4WF, we knew it in advance , and we were able to offer to School authorities Novice Class course for students interested for communication with astronaut. Offer was accepted!



# Novice Class Course 2012



- 100 students started course in October 2012.
- 60 students passed Novice Class exam in December 2012.
- Croatian DX Club established its section in School. Licence for 9A1RBZ was issued.

# Start of 9A1RBZ – prapparation for ARISS contact



- In School we installed 100W TCVR and simple wire antennas.
- From January 2013. school students became active on HF bands.
- ARISS contact was planned for June 2013. Students had nice 6 month practice in amateur radio communications .

# Start of 9A1RBZ – prapparation for ARRSS contact – part 2



- During Novice class course we told students who we are, a lot about contesting and our contest activities.
- They became interested.
- In April 2013, 9A1RBZ 4 team members participated in their very first contest – Croatian Cup. Operation was taken from Club facility located at Lake Jarun.





# ARISS Contact on June 26th 2013



- ISS had orbite on altitude of cca 470 km and travelled with speed of cca 27.500 km /hour
- That is why amateur radio station must have antenna system following ISS orbite correcting azimuth and elevation angle.
- Possible contact duration is cca 10 to 12 minutes

# ARISS Contact on June 26th 2013



- Astronaut ,who is at the same time radio amateur, was Luca Parmitano, KF5KPD.
- In accordance to NASA rules he knew questions in advance .That permits as much as possible questions asked.

# ARISS Contact on June 26th 2013



- 28 students were able to put questions and hear his answers.
- 23 of them asked and recieved answer. That was top number of answered questions.
- **Such achievement was done because of skill obtained at amateur radio station**

# ARISS Contact - Consequencies



- ARISS event had a big publicity in media. We were topic in National TV stations Headlines, in radio programmes and printed media too.
- Significant number of Very Important Persons were on the event in live.
- Significant number of School students too. ARISS contact was promoted as amateur radio contact.
- **Other School students were interested to become radio amateurs.**



# Results Achieved



- 10 Novice Class students participated in Summer School on Adriatic Coast. 9A1RBZ station was set-up. Led by mentor Emil, 9A9A, students also learned more about amateur radio.
- Students asked us to learn Morse code. When school year 2013/2014 started we organized Morse code course. It was successful !

# Results – part two



- Amateur radio course became part of Tehnical School Ruđera Boškovića curriculum as non obligatory activity.
- Each year we have Novice class course. Students are second grade, what means after passing exam they can participate in 9A1RBZ activities additional 2 years

# Results – part two



- Within 3 school years (starting in 2012/2013) 165 students attended on Novice Class courses.
- 100 of them passed exam successfully.
- In year 2014. ten of them passed T/R-61/02 exam !
- **9A1RBZ has renewall of young generations each year .**

# What after Exam ?



- Students who passed Novice Class exam are able to have practice at 9A1RBZ station installed in school.
- Activity is out of school hours, usually after morning school hours.
- They are in groups up to 4. They have practice once in 15 days  
**(Schooling is No 1 !)**
- Between it we are offering them to operate from station in club HQ at Lake Jarun.
- At the beginning one of older 9A1A members is with them, just for help and to be sure that everything is in accordance to rules.
- When we are sure that everything is OK they start to operate alone.



# Results – part three : Youngsters in Contesting

- 9A1A is contester radio club.
- The main aim of students teaching in amateur radio skills is to have new team members who are young people.
- During their practice at 9A1RBZ station we continued to explain students „magic of contesting”, wishing to have response in their will to participate in it.
- We told them : If you should like to join us and become testers like we are, you have excellent chance to do it !

# 9A1A / 9A1RBZ Youngsters in Contesting - Y 2014



- In Year 2014 9A1RBZ team participated in some local Croatian Contests .
- As School location has only simple wire antennas and 100W TCVR, we decided to use radio club location at Lake Jarun where we have better antennas.

# 9A1RBZ Youngsters in Contesting - Year 2014



- UBA DX Contest SSB
- CALL : 9A1RBZ
- Contest location :  
Radio club location in  
Zagreb, Lake Jarun
- Result : 3rd World and  
EU place, 2nd within  
European Union, 1st in  
Croatia.

# 9A1RBZ Youngsters in Contesting - Year 2014



- EA RTTY Contest
- Call : 9A1RBZ
- Contest location :  
9A1A contest location  
near village Kozjača
- **Result : 1st World  
place in Multi Multi  
category !**



# 9A1RBZ Youngsters in Contesting - Year 2014



- In August Marija 9A7MSM using 9A1RBZ call sign participated in SCC RTTY Contest. SO SB 80m category.

**She became winner !**

# 9A1RBZ Youngsters in Contesting - Year 2014



- Also in August Mihaela, 9A7MIM , using 9A1RBZ call participated in YO DX Contest. She was in category YN (Youngster and Novice)

**Again the first place!**

# 9A1A/9A1RBZ Youngsters in Contesting – CQ WW RTTY 2014



- Nine youngsters joined 9A1A contest team which was **WORLD WINNER**
- In CQ Magazine , May Edition CQ WW DX Contest Manager Ed, WoYX wrote :
- *And, it is always gratifying to have youth participation:  
For the first time as 9A1A, team members had nine youngsters  
participate between the ages 15 to 18.*

# 9A1RBZ in Year 2015



- The first participation was in UBA DX Contest SSB in January 2015.
- Lake Jarun location was used again.
- 9A1RBZ contest team became international : Florian OE3FTA (age 16), Domagoj - 9A3GDZ (age 16), Petar- 9A5CPP, Marija - 9A7MSM and Borna - 9A5BBC (all age 18)
- Claimed score : Should be TOP SCORE !!!



# 9A1A / 9A1RBZ in Year 2015



- Eight Youngsters from 9A1RBZ became permanent 9A1A team members in SSB and RTTY Contests !

# 9A1A / 9A1RBZ in Y 2015



- Youngsters participated in 9A1A contest activities :
- CQ WW WPX RTTY Contest
- CQ WW WPX SSB Contest
- **Other contests are following !!!**

# Additional 9A1A activities with youngsters - YOTA



- Group of four youngsters Marija, 9A7MSM, Mihaela, 9A7MIM, Petar, 9A5CPP, and Kristijan, 9A5CKK with team leader Emil 9A9A participated in YOTA 2014.
- In December 2014 using call 9A14YOTA large group of 9A1RBZ team members participated in “December YOTA Month” activity.
- On May 5th 9A1RBZ participated in “The Annual School Club EU-Day” activity
- Croatian team for YOTA 2015 has youngsters from 9A1RBZ.

# RESULTS - FINAL



- **Croatian DX Club found the way how to get youngsters in its activities !**
- **39% of Croatian DX Club members are age 16 – 19 !!!**



# 9A1A CONCLUSIONS :



- Youngsters are not interested only in mobile and internet communications.
- If you approach to them on appropriate way they are recognizing amateur radio as very interesting hobby.
- But you have to offer something else, not only “pure” amateur radio.
- In our case we offered them various camps and contesting. Both organized as real social events with a lot of fun and excitement .

# 9A1A CONCLUSIONS- part two



- Croatian experience says that you must have “insider” in School.
- In our case “insider” is one of school teachers willing to promote amateur radio . There is no need to be one of “us”. She/he has to speak with students , attracting them to come to the first meeting where you have to explain your offer.

# 9A1A OFFER TO IARU REGION 1 YOUNGSTERS CONTESTING PROGRAMME - in Year 2016 and following years



- Twice per year 9A1A can be host of international youngsters contesting team.
- Such team should have always young participants from 9A1A / 9A1RBZ
- All CQ WW DX and CQ WW WPX contests are excluded. They are participated only by 9A1A team members.

# 9A1A OFFER TO IARU REGION 1 YOUNGSTERS CONTESTING PROGRAMME - in Year 2016 and following years



- International youngsters contest team can participate in any other international 24 or 48 hours contest.
- Team should have up to 6 youngsters from other IARU R1 MS and 2 to 4 of them from 9A1A
- 9A1A contest location should be used.



# Programme for 24 hours contest

- **Arrival to Zagreb on Friday**

Those who are coming on Friday , Friday/Saturday night will sleep in one of Zagreb hostels. They will have a dinner with young 9A1A / 9A1RBZ team members

- **Saturday** : Travel to 9A1A contest location Kozjača

Those who will come on early Saturday will be waited by 9A1A members and transferred to Kozjača

- **Saturday/Sunday** participation in contest. Participants are sleeping on contest location. Food & drinks is provided by 9A1A.

- **Sunday afternoon** : Travel back to Zagreb. City sight-seeing. Dinner for all contest participants. Sleep in one of Zagreb hostels.

- **Monday** : Travel back to home

# Programme for 48 hours contest

- **Arrival on Tuesday or early Friday**

Tuesday evening dinner for all contest participants, sleeping in one of Zagreb hostels (Those who will come on Friday will be waited by 9A1A members and transferred to Kozjača)

- **Friday morning :** Travel to contest location, introduction of location facilities. Lunch in one of restaurants near by.

- **Saturday/Sunday :** contest participation

Participants are sleeping at contest location from Friday to Monday

- **Monday :** Travel to Zagreb. City sight-seeing, dinner for all contest participants. Sleeping in one of Zagreb hostels.

- **Tuesday :** Travel back to home

# 9A1A OFFER TO IARU REGION 1 YOUNGSTERS CONTESTING PROGRAMME – **Year 2015**



- In year 2015 we can act as hosts of international youngsters contest team consisting of 4 to 6 participants from other IARU Region 1 Member Societies and 2 to 4 young 9A1A / 9A1RBZ team members.
- They will operate from 9A1A contest location in Kozjača.
- **Proposed contest is SAC SSB - second weekend of October (October 10th to 11th)**

# SAC SSB 2015 Contest programme

- **Arrival to Zagreb on Friday , October 9th or early Saturday, October 10th**
- Those who are coming on Friday , Friday/Saturday night will sleep in one of Zagreb hostels. They will have a dinner with young 9A1A / 9A1RBZ team members
- **Saturday :** Travel to 9A1A contest location Kozjača  
Those who will come on early Saturday will be waited by 9A1A members and transferred to Kozjača
- **Saturday/Sunday** participation in SAC SSB contest. Participants are sleeping at contest location. Food & drinks provided by 9A1A.
- **Sunday afternoon :** Travel back to Zagreb City. Dinner for all contest participants. Sleep in one of Zagreb hostels.
- **Monday, October 12we :** Travel back to home



# 9A1A OFFER TO IARU REGGION 1 for YCP



- We are offering not only pure contesting.
- In 9A1A contest participation is always social event.
- Youngsters will exchange their experience in amateur radio.
- They will have possibility to introduce themselves.



THANK YOU

# *German and American Ham Radio Communities*

...and how this affects the youth communities

By Kay Malfeld, DO7KAY

# *About me*

Kay Malfeld, DO7KAY

Licensed since 2013(at age 11)

Attending 7<sup>th</sup> grade of a bilingual school in  
Germany



# *Keywords*

Publical attitude regarding ham radio

Reasons therefore

Exam and Licensing issues

Conclusion

Discussion