

## 50. 2012 - SERBIA: 16TH ARDF IARU WORLD CHAMPIONSHIPS

They were held from 10 to 16 September 2012 in Kopaonik (Mountain of the sun) in Serbia. About 290 km south of the capital Belgrade, on the border with the (former) province of Kosovo. The organization was in the hands of SRS.

The participants were housed in MK Mountain Resort hotels: Grand Hotel & Spa, Family Hotel Angella, the JAT Hotel and the Konaci apartments. Use could be made of the Grand Oaza Spa and the Wellness centre.

Originally most participants were to be housed in the Grand Hotel, but due to a fire that raged on 17 June 2012, only a limited number of participants could be accommodated. Most participants now stayed at Hotel Angella [864].



864. 2012: Kopaonik seen from the 200 m higher mountain peak on the border with Kosovo. Left behind are Hotel Angella and the Konaci appartements (of which a part was being rebuilt). To the right of this is the JAT Hotel and in the middle to the right is the Grand Hotel, with on its left the roof of the great hall where the Hamfest was held. Photo PA0DFN

Bus transportation was possible from and to the international airport and bus- and train station in Belgrade, for € 40 (bus) or € 60 (mini bus).

All who made use of one of the all-in packages could use a number of facilities: accommodation (including all meals, but without alcoholic drinks), transportation to and from start and finish, competition maps, souvenirs, picnic and hamfest.



865. 2012: Logo 16th ARDF IARU World championships

A letter of intent was received from 33 societies. They listed a total of 576 persons. The largest contingent (105 persons) came from China, followed by Japan with 55 persons.

### Programme

The organization offered a comprehensive programme. Besides the traditional components (the two ARDF competitions) there was for the second time the ARDF Sprint competition. The Sprint was introduced in 2011 in Romania.

For the first time the programme of the championships was extended with a Foxoring competition.

There was also an 80 m ARDF competition for blind people. Beforehand there was training from 5 to 10 September, in which the ARDF World Cup was fought for.

So the societies could choose from a number of options regarding their participation. See [866].

	World Cup package	World Cup 3 days package	ARDF WCH	Extra Foxoring day package	ARDF WCH for the blind 3 days package	ARDF WCH for the blind 5 days package
05 September	Arrival to World Cup			See paragraph 51.1 for information concerning this addition to the book <i>ARDF IARU European - Region 1 - World Championships</i> by Jan Hoek - PA0JNH		
06 September	Competition (2m)					
07 September	Competition (80m)	Arrival to World Cup				
08 September	Competition (2m)	Competition (2m)				
09 September	Competition (80m)	Competition (80m)				
10 September	World Cup awarding ceremony	World Cup awarding ceremony	Arrival, accommodation		Arrival, accommodation	Arrival, accommodation
11 September			Training on both bands, , Official opening ceremony		Competition for the blind, Awarding ceremony	Competition for the blind, Awarding ceremony
12 September			First Classic ARDF competition (80m & 2m), Awarding ceremony, official meetings		Departure	Free time
13 September			Sprint WCH, Awarding ceremony, picnic, official meetings			Free time
14 September			Second competition (80m & 2m), Awarding ceremony, Closing ceremony and HAMFEST (banquet)			Free time
15 September			Departure	Foxoring WCH, Awarding ceremony		Departure
16 September				Departure for Foxoring participants		
	€ 200	€ 150	€ 330	€ 55	€ 100	€ 200

866. The various all-in programme packages on offer. Below the columns is the price for participation. For a single room € 14 per day extra had to be paid. WCH = World Championships.



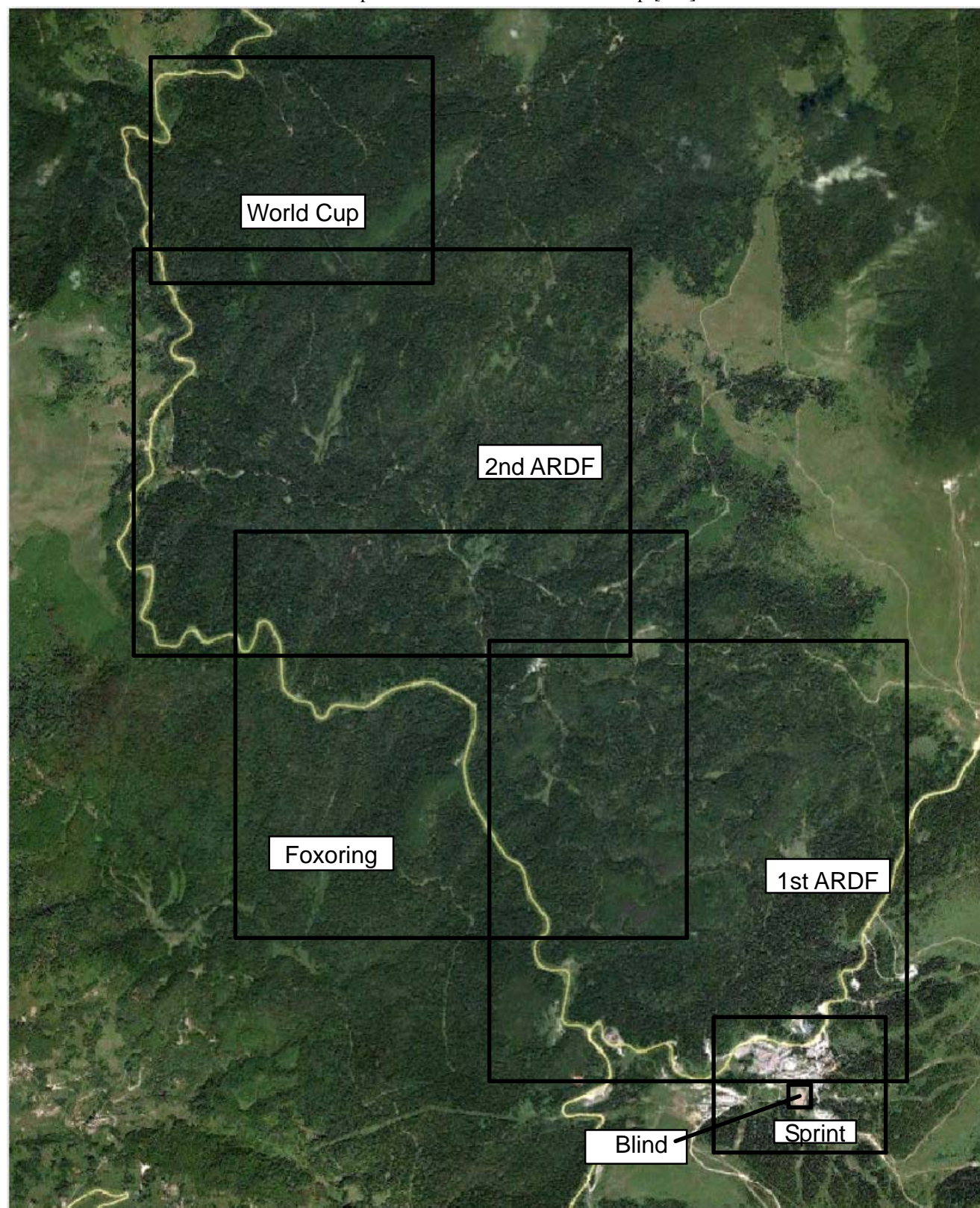
### 50.1. KOPAONIK, THE COMPETITION AREAS, THE ACCOMMODATION, OUR TEAM AND THE TECHNOLOGY

Kopaonik is a winter sport resort with only hotels with rooms and apartments and associated catering and other facilities. We got the impression that they were specially opened for these championships.

It is situated on relatively flat terrain at about 1,700 metres above sea level and there is no snow in September. On the

south and west are some lifts that lead to the higher mountain top.

The ARDF Sprint competition and the competition for the blind were immediately surrounding the hotels. All other competitions were north of the hotels in the Kopaonik National Park. See map [867].



867. 2012: Kopaonik and its vicinity (Google Earth). All competition areas were joined together in an area north of the hotel complex. The competition areas were within the area enclosed by the (yellow) road from top left through the hotel complex to centre right.



The bulletin, in which the championships were announced, described the competition venue and maps as follows:

*“The competition areas are in close proximity to the Championships centre, about a 20 min bus ride away. The competition area is located at an altitude of between 1500 and 1800 metres asl. Spruce forest of varying run ability, with a lot of detail such as marshes, stones and boulders. Generally hilly.”* and *“The maps are at a scale 1:15,000 and 1:10,000, size A3-A4, colour printing, IOF standard, non waterproof.”*

That the terrain was hilly, all participants experienced. In our eyes it was very hilly terrain. The difference between the lowest and the highest point in the competitions was always in the order of 150 - 200 m. There was almost no flat piece of land to be found and if it was flat, it was usually (very) wet terrain in a valley, or along a stream.

In particular, in the 2 m competitions, there were major problems. Because of the many reflections of the signals various participants could not find one or more of the required transmitters.

We can refer here to the wise lessons, Chermen Guliev - UA3BL had already given us in 1999, see page 124!



868. 2012: An impression of the terrain. Fallen or felled trees and few passable paths. Photo DF7XU



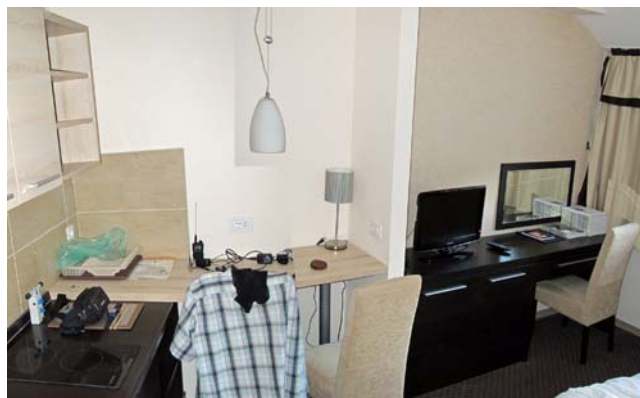
869. 2012: To protect the environment from the first ARDF competition there were toilet cubicles at the start and finish. During the four training days one had to find his private toilet in the bushes.



870. 2012: The outside of the hotel complex. Left is the Konaci apartment building where among others the Dutch team stayed. Part of the building was being renovated and therefore could not be used.

## The accommodation

The accommodation was good. The rooms were of good quality and fully equipped. Picture [871] shows the layout of an apartment.



871. 2012: Impression of one of the Konaci appartements.

All meals (breakfast, lunch and dinner) were in the form of a buffet. There was always a choice of many appetizers, main and side dishes. There were things like fruit and tasty sweet snacks as dessert [874].



872. 2012: Before entering the restaurant in the hotel a card had to be shown. This was maintained until the end.



873. 2012: The ID tag that was worn by a number of the participants of the ARDF World Cup.

It is common practice that the participants at the championships hang an identification card (tag) round their necks.

This shows the name and country of the participant and the group to which they belong (participant, guest, judge, organization, etc.). For an unexplained reason only a small proportion of the participants received a tag for the World Cup. For the championships themselves there were no tags at all.

## The Dutch team

The team consisted of the following four persons:

W60 Jenny Fijlstra - NL12125

M21 Björn Dinse - PA4BWD

M60 Dick Fijlstra - PA0DFN (also as team leader)

Jan Hoek - PA0JNH





874. 2012: Two participants collect items for their breakfast.

### The maps

During the team leaders meeting, on the evening before the first ARDF competition, it became clear that many maps of the area were already in circulation. These were maps, used in past Orienteering competitions.

It was asked whether the maps, to be used now, should be given to the team leaders before the competitions, or shown on the notice board at the start.

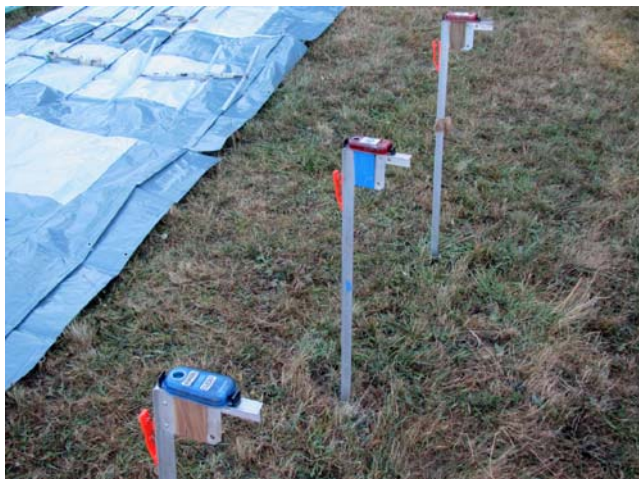
The organization stated that for these championships entirely new maps had been made and that they differed from the maps referred to. It was agreed that the maps would not be made public in advance.

The maps to be used were large and very detailed. They were on a scale of 1:10,000 and with contour lines at 5 m height difference. Some of the borders could be trimmed because they only contain the name of the map and the logos of the sponsors.

The map for the ARDF Sprint was even more detailed, at scale 1:5,000 with contour lines at 2.5 m height difference.

### The technology

Also at these championships use was made of the transmitters made by Jiri Marecek - OK2BWN. See chapter 7.1.3.



875. 2012: At the beginning of the starting area there were some stations to clear the SPORTident chips.

For the registration of finding the transmitters and the corresponding times, again use was made of the SPORTident chips and interrogate stations. See chapter 9.

For the registration of the participants, reading out the chips carried by the participants and preparing the ranking the program ARDF-FjwW of DL7VBD [876] was again used. See chapter 9.



876. The registration and processing of the results of the competitors in all competitions was again provided by Karl-Heinz Schade - DL7VBD. He is the designer of the program FjwW. See chapter 9. In this picture Zeljko Jekic (SRB) has just finished in the ARDF World Cup.



877. 2012: Competitors who were approaching the finish line were announced via loudspeakers with their name and country.

Name, First name	Club	Call	
Hoek, Jan	NED	PA0JNH	
Cat	ChipNo	StartNo	Total runtime
M60	1400953	209	77'14 min
Run route	>3210m (Optimum 3210m)		
Sequence	Time	Split	Cumulative
Start	10:00:00		0'00
Fox 1	10:22:42	22'42	22'42
Fox 3	10:38:32	15'50	38'32
Fox 4	10:56:01	17'29	56'01
Beacon	11:13:51	17'50	73'51
Finish	11:17:14	3'23	77'14
World Cup 80-m-band Serbia 9.9.2012			
www.ARDf-FjwW.com			

878. 2012: At the finish the competitors got a sticker with the results of their effort.



879. 2012: At the finish there was always a tent with three LCD display units which continuously showed for all categories the current standings in the ranking. Photo DF7XU

## 50.2. THE ORGANIZATION AND THE MEETINGS

### Organization

Two permanent committees were established to manage the multitude of events and the large number of participants.

At the top was the **Organizing Committee** consisting of four persons, namely: President Dr Aca Markovic (Chairman of the Board of the Electric Power Industry of Serbia) and the members Miroslav Ivkovic - YU1DW (General Manager of SRS), Miroslav Vemic - YT1AA (President of SRS) and Nebojsa Nedic (Managing Director of Filtrex - factory of oil filters).

The daily management was in the hands of the **Executive Committee** chaired by Sinisa Radulovic - YU1RA (Vice-President of SRS).

Vice-chairman and leader of the competitions was Ivan Todorovic - YU0U. Vice-chairman and contact person for the participants was Dusan Ceha - YU1EA. He also led the meetings of the team leaders. Further committee members were: Boban Jovanovic - YT1JB, Zoran Vukelic - YU1EP, Zlatan Sahinovic - YU5ZZ and Zvonko Colja - YT1WA.

Dragan Nikolic of the Serbian Orienteering Federation was responsible for the maps to be used.

The organization had a large room in which the office was located. Here were also the post boxes (pigeon holes). Herein, by country, the information (such as start lists, results lists, etc.) for the participating teams was posted. The team leaders could regularly pick them up.

In this room meetings with the team leaders were also held.

### International Jury

In order to steer the course of competitions in the right direction and to deal with any complaints / protests at a championship, there is always an **International Jury**.

This consisted of 15 persons. Chairman of the Jury was Per-Axel Nordwaeger - SM0BGU. Siting Referee (responsible for the site and the maps) was Ivan Todorovic - YU0U. Furthermore, there were 11 referees with a function at the start, the finish and in the field. Those were SP2LQC, YU1EA, SM0OY, DG0YT, HL4CFN, US0VA, VE7GED, KE6HTS, OK2CHE, BY??? and JR0AIJ.

Zvonko Colja - YT1WA was secretary of the jury and Zoran Vukelic - YU1EP oversaw as technical director the equipment used.



880. 2012: A meeting of the Jury. At the head of the table, Per-Axel Nordwaeger - SM0BGU (chairman) and Dusan Ceha - YU1EA (member of the Executive Committee and referee at the start).

### Meetings with the team leaders

In the evening prior to each competition day there was a meeting with the team leaders. The meetings were chaired by Dusan Ceha - YU1EA and / or Ivan Todorovic - YU0U.

During these meetings, the details of the forthcoming competition were announced. Questions could also be asked about the previous and forthcoming competitions. If it had already been established, the start list was also issued. At the meeting on 11 September, i.e. in the evening before the 1st ARDF competition, the following matters were discussed.

- We leave at 8:00 am with everyone from the entrance of Hotel Angella on foot (around 900 m) to the start.
- The first start is at 10:00 am.
- The maps are large 410 x 335 mm. By trimming the edges, a map of 290 x 300 mm remains. On the map, the starting triangle and the circles around start and finish are to be drawn by the participants themselves. For cutting, fixing and drawing materials are present. The map scale is 1:10,000.
- After some discussion, the maximum running time is extended from 120 to 150 minutes (in retrospect a good decision).
- At the start and during the competition communication is not allowed, carrying, for example, a mobile phone is prohibited.
- Unlike the training (World Cup), the transmitters are at normal distances (> 400 m).
- There is risk of fire. Smoking is not permitted.
- The finish area will remain closed until the last competitor has started.
- Along the way, there is no water, so bring water yourself and if necessary bring food. Water is only provided at the finish.
- The competition is simultaneously on 2 m and 80 m.



881. 2012: Team leaders meeting on 11 September. At the head of the table, the organizers Dusan Ceha - YU1EA and Ivan Todorovic - YU0U. To their right Panayot Danev - LZ1US (Board IARU Region 1).

### Meetings of the IARU Region 1 ARDF WG

Chaired by Rainer Flösser - DL5NBZ, the Working Group held several meetings. The WG consists of representatives of the various societies in IARU R1. The WG determines the ARDF rules and assigns the society which may organize the next championships. In 2013 the 19th Region 1 ARDF Championships will be held in Poland.



### 50.3. ARDF WORLD CUP

Prior to the official World Championships, the SRS had organized a training program of four days. This was in the form of a competition under the name “**ARDF World Cup**”.

This event was open to everyone. Among the participants there were several who had come only for this part of the programme. There was a large group of young Chinese who, on the basis of their school achievements, could make the trip. There were also participants who had not qualified for the official national team to participate in the ARDF World Championships.

Here, up to three participants only are permitted by (age) category and per country. There are 11 categories (5 for women and 6 for men). A complete ARDF national team for the championships consists of 33 competitors.



882. 2012: There's some fog in the trees when a large group of mainly young Chinese participants gathers on 7 September in the starting area. Photo DF7XU.

There were competitions consecutively on Thursday 6 September (2 m), Friday 7 September (80 m), Saturday 8 September (2 m) and Sunday 9 September (80 m). The competitions all had the same start and finish location.

The competition area was the farthest, about 10 km drive, away from the hotel complex. See top left of the overview map [867]. Picture [886] shows the map used. Start and finish are at the top left. The participants were taken to the start and also brought back by bus. The buses left at 8.30. The first start was around 10:00.



883. 2012: The information panel on the second day (80 m). Photo DF7XU

Start and finish were a few dozens of metres apart on a gently sloping open area next to the road. The start and finish corridors lay in parallel over a short distance, but that was no problem. The transmitters were always in other locations in the same area. Competitors who had reached the finish area had to stay here within the taped-off separated area, until the last participant was started.

From the start, all competitors ran via a path under a hilltop

along to a wide larger path, running from southwest to northeast. There, a choice could be made how to continue the search for the foxes. There were some well-trodden paths through the terrain.



884. 2012: Training on 9 September. Dieter Schwider - DF7XU and the Dutch team: Jan, Jenny, Dick and Björn. Photo DF7XU

The distances between the transmitters were generally slightly smaller than the minimum of 400 m in normal ARDF competitions. The terrain itself was slightly friendlier than the terrain in the areas for the forthcoming two large ARDF and Foxoring competitions. The maximum height difference was about 150 m and the course was quite gradual. The numbers of transmitters to be searched were, depending on the category, similar to those of an ordinary ARDF competition.

The total number of competitors in the four competitions was:

6 September	2 m	99
7 September	80 m	108
8 September	2 m	179
9 September	80 m	187
Total	2 m	183
Total	80 m	202
Total	2 m + 80 m	<b>202</b>

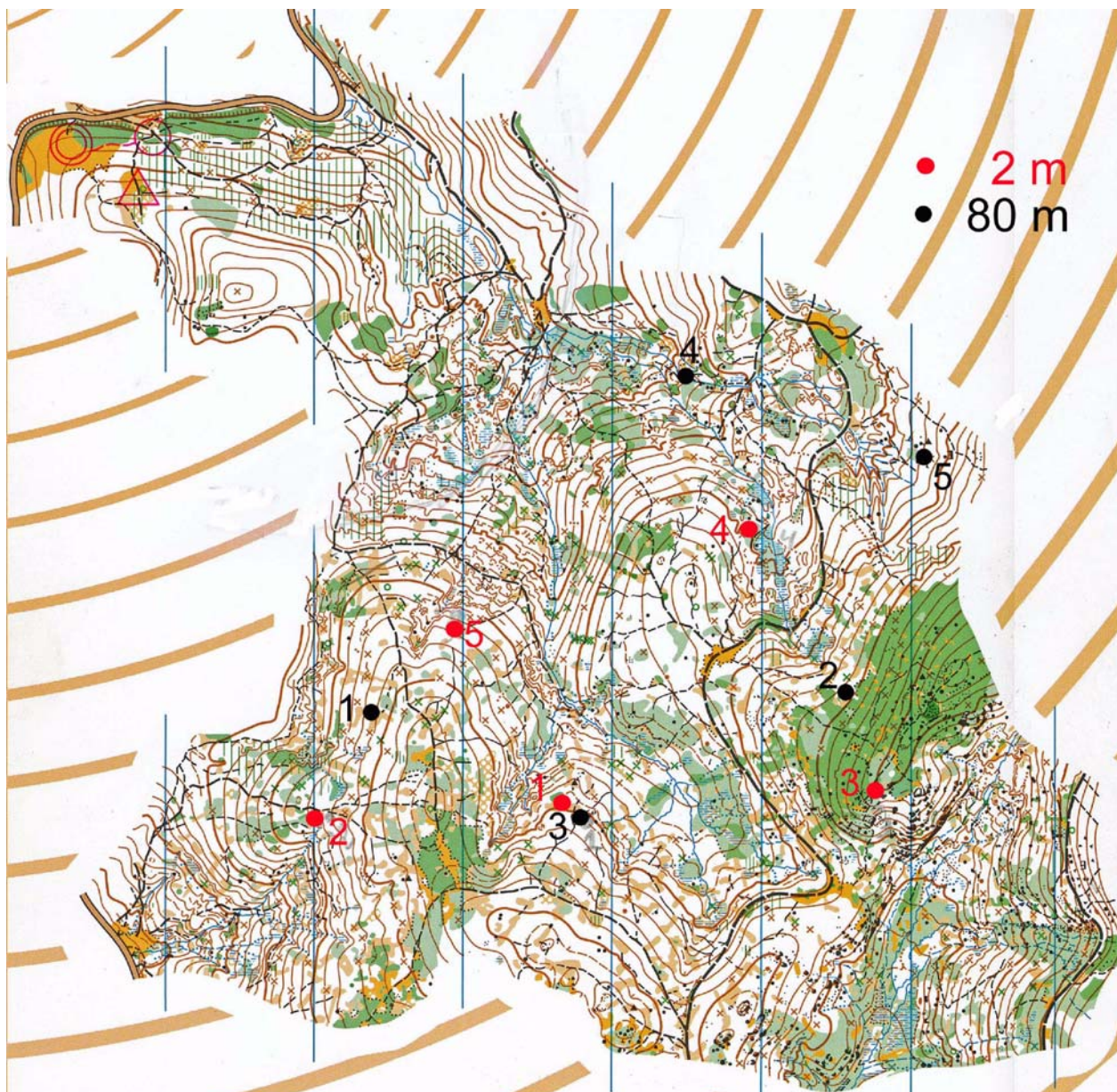
In total 202 persons from 16 countries participated in the ARDF World Cup.

On Monday 10 September, the day after the last competition, the Awarding Ceremony was held at 17:00. There were medals for the 1st, 2nd and 3rd position in the categories 2 m, 80 m and for the total of four events. There was no team ranking. The ceremony took place in the great hall at hotel Angelia. Here there was a big stage and there were enough seats for all participants. In this hall the Opening Ceremony and later on also the other Awarding Ceremonies were also held.



885. 2012: World Cup. W35 - 2m: 1st Olga Panchenko (RUS), 2nd Elena Ovchinnikova (RUS) and 3rd Brigitte Drews - DL7AFJ. Photo DF7XU

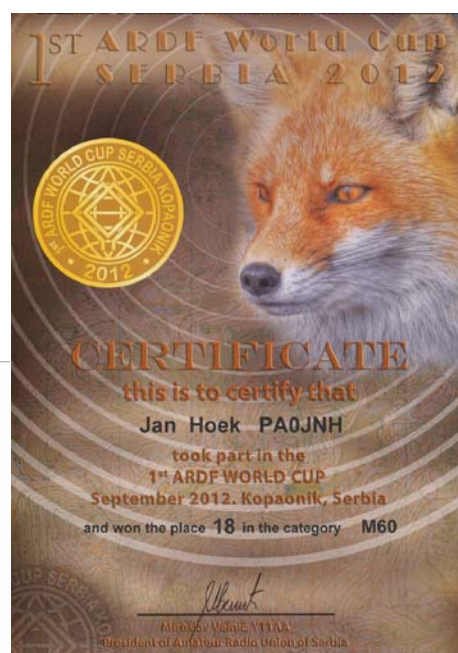




886. 2012: The map that was used on the four training days, on which the ARDF World Cup was fought for. Scale 1:10,000 and contour lines at 5 m height difference. All edges are removed to be able to show more details. Start and finish are top left. On the map the transmitter positions are marked as they were on 8 (2 m) and 9 (80 m) September.



887. 2012: The competitors' number, the gold and bronze medals, the logo and the certificate of the ARDF World Cup.





#### 50.4. ARRIVAL, TRAINING, COMPETITION FOR THE BLIND AND OPENING

##### The arrival

On Sunday 10 September most participants who only took part in the competition for the ARDF World Cup left Kopaonik. On this day the new participants arrived.

Besides the Awarding Ceremony for the ARDF World Cup, at 17.00, there was nothing on the programme. A number of members of the Dutch and German teams took a walk to the 200 m higher peak, south of the hotel complex on the border with the (former) province of Kosovo [888]. Precisely on this day was the next step to full independence of Kosovo.



888. 2012: On the mountain top is a lot of communication equipment. According to the insert (left below) one may not walk everywhere. Photo PA0DFN

On Monday 11 September was the start of the programme of the 16th ARDF World Championships. Breakfast started at 8:00 am. Training was possible between 10:00 and 13:00. A number of transmitters on 2 m and 80 m were placed around the hotel complex. Simultaneously there was the competition for the blind.

The lunch was from 13:00 and the official opening started at 16:00, followed by the dinner from 18:00.

On this day there were also meetings of the Jury and team leaders, see section 50.2. The team leaders hereby could submit the required start order of participants in each category.

##### The training

This was around the place on which the finish of the first ARDF competition would be held the following day, though this was not yet known.



889. 2012: A number of participants at the training. Left at the background Jiri Marecek - OK2BWN (the man of the transmitters used here), David Williams - M3WDD and Mark van Britsom - ON4FOX. Photo PA0DFN

There was a lengthy discussion during one of the team leaders' meetings about the antennas for 2 m [890] used here. Some team leaders raised a discussion about the proper operation of the antenna in question. At short distance (a few tens of

metres) this antenna would no longer produce a horizontally polarized electromagnetic field. The designer OK2BWN tried in a lengthy argument to explain that there was no problem, but whether everyone became convinced, is doubtful ...



890. 2012: Mark van Britsom - ON4FOX photographs the antennas of an 80 and 2 m fox.

##### Competition for the blind

At these championships there was also a competition for blind ARDF'ers on the programme. Nine participants had applied for this: six from Croatia, two from Russia and one from Germany.



891. 2012: The area was marked with tapes. The start and finish are behind the building, in the right foreground. Clearly visible are the disturbing obstacles: the ski lift, the building with (probably) a transformer station and the light tower.

On a relatively flat area (there was a small ditch across), next to the big ski lift to the top of the mountain, there was a rectangular area marked with tapes on which three low power 80 m transmitters were established: one in the middle and one at each short side of the rectangle. The terrain was far from ideal. The start was in one of the corners of the field and the finish at the other end of the short side.



892. 2012: The transmitter.

Between start and finish there was a major metal light pole with cables disappearing in the ground [893]. On the long side, at the finish, there was a building of the ski lift installation presumably containing a transformer station.

There were three MICROFOX HF transmitters (50 mW), only one was switched on at the same time. They transmitted the letters a, b and c respectively in Morse code.

Within a kilometre distance away the 80 m transmitters of the training event were on the air, including the finish fox MO. The maximum walking (running) time was 10 min. Some of the nine participants got completely lost.



They were constantly walking back and forth in the direction of the light tower. Two therefore found none of the three foxes. Those were Karin Flösser - DL6NBZ and Croat Mihael Durasin. The fastest, the Croatian Davor Bunic (M21), found the three foxes in 2:32 minutes. The site selection was not good.



893. 2012: Start of a blind Croatian participant. At the left the Jury chairman Per-Axel Nordwaeger - SM0BGU, at the right a supervisor. At the far left is the (disturbing) light tower. Photo DF7XU.

### The Opening Ceremony

At 16:00 all gathered in the great hall in hotel Angella. Accompanied by loud applause from the audience, representatives of country after country were called into the hall, with the flag of their country [895]. Preceded by a boy or girl carrying a sign with the name of the country they walked to the big stage, where they were stood next to each other. Finally there were representatives from 29 countries on the stage [894]. Before the start of the championships 33 countries had applied. For unclear reasons four countries did not show up: Albania, Denmark, Austria and Switzerland. These countries had applied with a total of 12 participants.

Once all the representatives were on the podium, after playing the Serbian anthem, several speeches followed. First to speak was to the president of the Amateur Radio Union of Serbia (SRS) Miroslav Vemic - YT1AA [894].

Then followed the Vice-President of the IARU Ole Garpestad - LA2RR. He addressed words of thanks to the organizing society.

Thereafter, these 16th ARDF World Championships were opened by the President of the Organising Committee Dr. Aca Markovic.



895. 2012: One by one the representatives of the participating countries come into the hall. Here, Germany. Photo DF7XU

### Presentation of book about IARU ARDF history

After this a brief moment was inserted for the presentation by Jan Hoek - PA0JNH, editor of a book about the history of the IARU ARDF Championships [896].

In his speech, he recalled that the first unofficial European championships were held in 1958 in the former Yugoslavia (in Sarajevo).



896. 2012: Jan Hoek - PA0JNH hands over copies of the book "ARDF IARU European - Region 1 - World Championships" to LA2RR (vice-president IARU) and PB2T (president IARU Region 1). Photo PA0DFN



894. 2012: Finally the representatives of 29 countries are on the stage. All are welcomed by YT1AA, president of SRS. Photo DL1AQ



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He also thanked all the approximately 25 people who had put forward information (reports, photographs, maps, etc.) for the book. On behalf of the Dutch amateur society VERON he handed over a copy in English to Vice-President of the IARU Ole Garpestad - LA2RR and a Dutch copy to the President of IARU Region 1 Hans Blondeel Timmerman - PB2T [896]. During team leaders meetings, copies were also distributed on behalf of the VERON to YU1RA (Chairman) and YU1EA (Secretary of the Executive Committee) and DL5NBZ (Chairman of the IARU Region 1 ARDF WG).

During the championships more than 80 books got a new owner. The official part of the opening ceremony concluded with a music group, singing and dance group.



897. 2012: There was a folk dance in local costume.

After that the country teams went onto the stage to pose for a group photo. The pictures below show a few.



898. 2012: The team of Japan. Photo PA0DFN



899. 2012: The team of guest country Serbia. Photo PA0DFN



900. 2012: The team of Ukraine. Photo PA0DFN



901. 2012: The team of The Netherlands. Photo PA0DFN



902. 2012: The team of Poland. Next year organisers of the 19th IARU Region 1 Championships. Photo PA0DFN



903. 2012: The team of Great Britain posed in the courtyard of the hotel complex. Photo DL1AQ

At the end of the ceremony the medals of the competition for the blind participants were awarded [904].



904. 2012: Five of the nine blind competitors with their medals and/or certificates. Photo DG4AAN



### 50.5. FIRST ARDF COMPETITION

After all the ceremonies on the previous day, came the big day on Wednesday 12 September. The **first ARDF competition** of this World Championships. We got up around 6:30 am and went to breakfast at 7:00 am.



905. 2012: At 8:00 am, all the participants gathered in front of Hotel Angella.

In a long convoy the company went on foot in a northeasterly direction across the road to the starting area. After about fifteen minutes they arrived there. There was, next to the road, a small open area where a tent was placed. Because the weather was dry, we did not have to use it. The competition area was directly north of the hotel complex, see the overview map [867].



906. 2012: The participants walk in a long convoy along the winding road to the location of the start.

Upon arrival, the national teams were called country by country to deposit the receivers. Then began the wait for the first start at 10:00. There were 338 competitors in 35 start groups, the last started at 12:50.

The competition was simultaneously on 2 m (M19, W21, W35, M50, W60 and M70) and 80 m (W19, M21, M40, M60 and W50), see [907]. It was the intention that in the allocation of the transmitters to the categories the physical capabilities of the participants would be taken into account. The older the person, the less severe the course would be. At least in theory. Find it yourself on the map of this competition [910] and the details mentioned below the map.

Participants were asked to draw the location of the start on the map themselves, and optionally the circles around start and finish. The finish was right next to the hotel, 1.5 km from the start. Start and finish were in the lower right corner of an area of roughly 2.5 x 2.5 km with lots of height changes. After editing the map [909] the participants took their receivers and they walked to the start line.



907. 2012: On the information panel were the start list and the instructions for the coming competition.



908. 2012: Part of the German team before depositing the receivers. Photo DF7XU



909. 2012: A number of competitors are trimming and fixing their maps. In the background, the DCF-controlled competition clock.

At precisely the start time they moved through the designated one of the two corridors, marked with tapes, into the competition area. It started simply. First, they had to run downhill towards a stream and a marshy but passable plain, still lying within the 750 m radius from the start.



Then began the search for the required transmitters, which were reasonably distributed over the entire area. The theoretical

minimum running distance ranged from just over 3 km to over 5 km, depending on the category.



910. 2012: The map of the first ARDF competition. Dimensions with the borders are 417 x 337 mm. Scale 1:10,000 and contour lines at 5 m height difference. The borders are removed to show more detail. The start is at the right and the finish is below to the left of the hotel complex.

Who had to find which transmitters? See the table below with between () the fastest time (rounded), in this category:

<b>2m:</b>	M19	1, 2, 3, 4, 5	(71 min.)
	W21	1, 2, 3, 4, 5	(64 min.)
	W35	1, 2, 4, 5	(81 min.)
	M50	1, 2, 3, 5	(71 min.)
	W60	2, 3, 5	(104 min.)
	M70	2, 3, 5	(92 min.)
<b>80m</b>	W19	1, 2, 3, 4	(56 min.)
	M21	1, 2, 3, 4, 5	(45 min.)
	M40	1, 3, 4, 5	(49 min.)
	W50	2, 4, 5	(50 min.)
	M60	3, 4, 5	(38 min.)

For the categories W60 and M70 the course was too hard. This is evident not only from the times, but also from the

number of transmitters found. In W60 only one participant of the 12 found all transmitters within the allowed 150 minutes. Four were out of time and two found none of the transmitters. In category M70 only three of the 26 found all transmitters. Ten were out of time, three found none of the transmitters, one was disqualified and one retired. In total 12 of the total 338 competitors were disqualified, 47 were out of the time and nine found no transmitter at all or retired. So it was a hard competition, especially on 2 m. Afterwards the story went that the 80 m and 2 m transmitters (number 2) were reversed, which meant for the participants who had to find 2 m transmitter number 2 it was a lot harder than originally intended.

The finish was on open ground next to the hotel complex. After finishing the participants searched for the blue bag in which their belongings were transported from start to finish.



Each participants' number was written on it with a marker pen.



911. 2012: Which is my bag? That was not easy, until they were laid out more or less in numerical order. Photo PA0DFN



912. 2012: The finish beacon stood atop the hill. Those who came across the road from the left, had to climb up through the trees (where a kind of public toilet was to be found...).



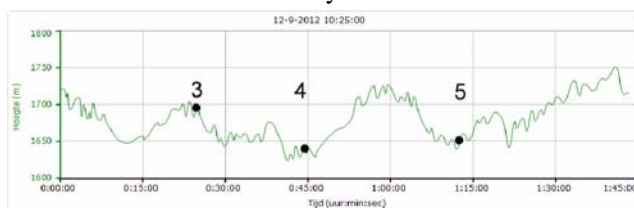
913. 2012: Bogdan Rodionov - M19 (RUS) approaches the finish line.

There was a problem at the finish [912]. All participants had to enter the beginning of the finish corridor at the finish beacon.

It was not allowed to cross the tapes of the corridor. In this case, the corridor ran across the road. The finish was on one side and the finish beacon on the other side on top of a tree-clad hill. Several competitors ran along the road through the corridor to the open side of the hill, or through the corridor to the finish beacon. They were disqualified, including our Björn!

Our results were: Jenny W60 - 2m (1 fox) and still 5th of 12 participants. In W60 only one participant (from Czech Republic) found all three foxes. Björn also found one fox in M21 ARDF IARU Championships

- 2m, but was disqualified. Dick was 23rd and Jan 33rd of 44 participants M60 - 80 m They both found the required three foxes and had a successful day.



914. 2012: Graph of the progress of height as a function of the time at 80 m of PA0JNH Successively, the transmitters 3, 4 and 5.

At 20:30 the Awarding Ceremony took place in the main hall. Here the gold, silver and bronze medals were awarded. First, the individual participants in each of the 11 categories. For each category the winners stand on the podium. The three medals were awarded by one of the dignitaries, and then the (shortened) national anthem of the country of the winner was played. All those present in the hall rose thereto. Then followed the same procedure for the winners of the team standing. A national team consists of a maximum of three persons per category. For the classification, the results of the best two are counted together. All three members of the team got the same medal. So anthems were played 22 times and 22 times a standing up...



915. The fastest team today was that of Ukraine in the category M21 on 80 m (95:39 min). The two fastest of the team were Oleksii Ivanko (45:41) and Sergii Shtanko (49:58). The third member of the team Illia Ivanko took 60:10 minutes. Russia was second and the Czech Republic was third.



916. The Chinese ladies (and Chunyan Luo Yang Chunxiang) won in the category W35 - 2 m in a time of 192:05 min. The German ladies (Anja Hilbert - DG0YS and Manuela Gütt Muehlberg) were second in 253:57 and the Czech ladies (Marcela Srutova, Jitka Simackova and Leona Soukupova) were third in 256:25 minutes. With the Chinese is also Wang Shuyan, but she finished out of time! The medals were presented by YU1EA.



## 50.6. ARDF-SPRINT COMPETITION AND PICNIC

On Thursday 13 September the World Championships **ARDF Sprint** on 80 m were held. Because the competition was around the hotel complex, we did not need to get up early. At 8.30 we left on foot to the start. This was on the grounds where yesterday the finish of the first ARDF competition was located. There were 306 participants on the entry list for this event.

In a Sprint up to 12 transmitters are to be found. First a series of five slow signalling ARDF transmitters on 3520 kHz, then an intermediate beacon S (...) on 3540 kHz, then a series of five fast signaling ARDF transmitters on 3560 kHz and finally the standard finish beacon MO (-- ---) on 3600 kHz.

The distances between the transmitters are much shorter than in the traditional ARDF competition, see [921]. The transmission cycles are much shorter. Each ARDF transmitter transmits for only 12 s. So in each minute, all five transmitters have been in the air once. It is therefore important to take bearings quickly and store the positions in the head (brains). There is almost no time to draw the bearings on the map.

The starting procedure is also much shorter than in the traditional ARDF competition. Every two minutes a group starts. There were 40 start groups, the first start was at 10:00 and the last group started at 11:18.



917. 2012: Two competitors at the intermediate beacon S. Chunyang Luo (CHN) and Bo Lenander (SWE). Photo DG4AAN

As with the traditional ARDF competition, the number of transmitters to be found depends on the category of the participants. All must at least find S and MO. M19 and M21 search for all the other 10 transmitters.

W19, W21 and M40 search for one fewer, W35 searches for two fewer, W50, M50 and M60 search for three fewer, W60 searches for four fewer and M70 searches for five fewer.



918. 2012: The courtyard of the hotel complex with the finish.

In order to make it difficult the transmitters, which did not have to be found, were quite randomly distributed among the

10 ARDF transmitters. So be careful about which transmitters you should not look for.

The spectator beacon (S = Spectator) stood on the field where the competition for the blind was held and it could be seen from the road and the terrace of the opposite bar or restaurant [917]. The area was swarming with fox hunters running in all directions. The transmitters were on the flat part, on the ski slopes and one (4F) was between the buildings.

The finish was on the road around the lawn, inside the hotel complex [918]. The finish beacon (MO) was just outside the complex on the access road.



919. 2012: There was much interest in the displays with the intermediate standings. Photo DF7XU

In the categories that had to find all transmitters, the best time was achieved in M21 by Jakub Oma from the Czech Republic. He took 14:56 minutes. Second was his compatriot Karel Fucik in 15:37 minutes followed one second later by the Lithuanian Mindaugas Nakvosas.



920. 2012: The Korean team after the Sprint. Photo DG4AAN

Our results were: Jenny - W60, last year's champion, now found only two of the required six ARDF transmitters. She had problems with the receiver. She was 11th of the 11 participants.

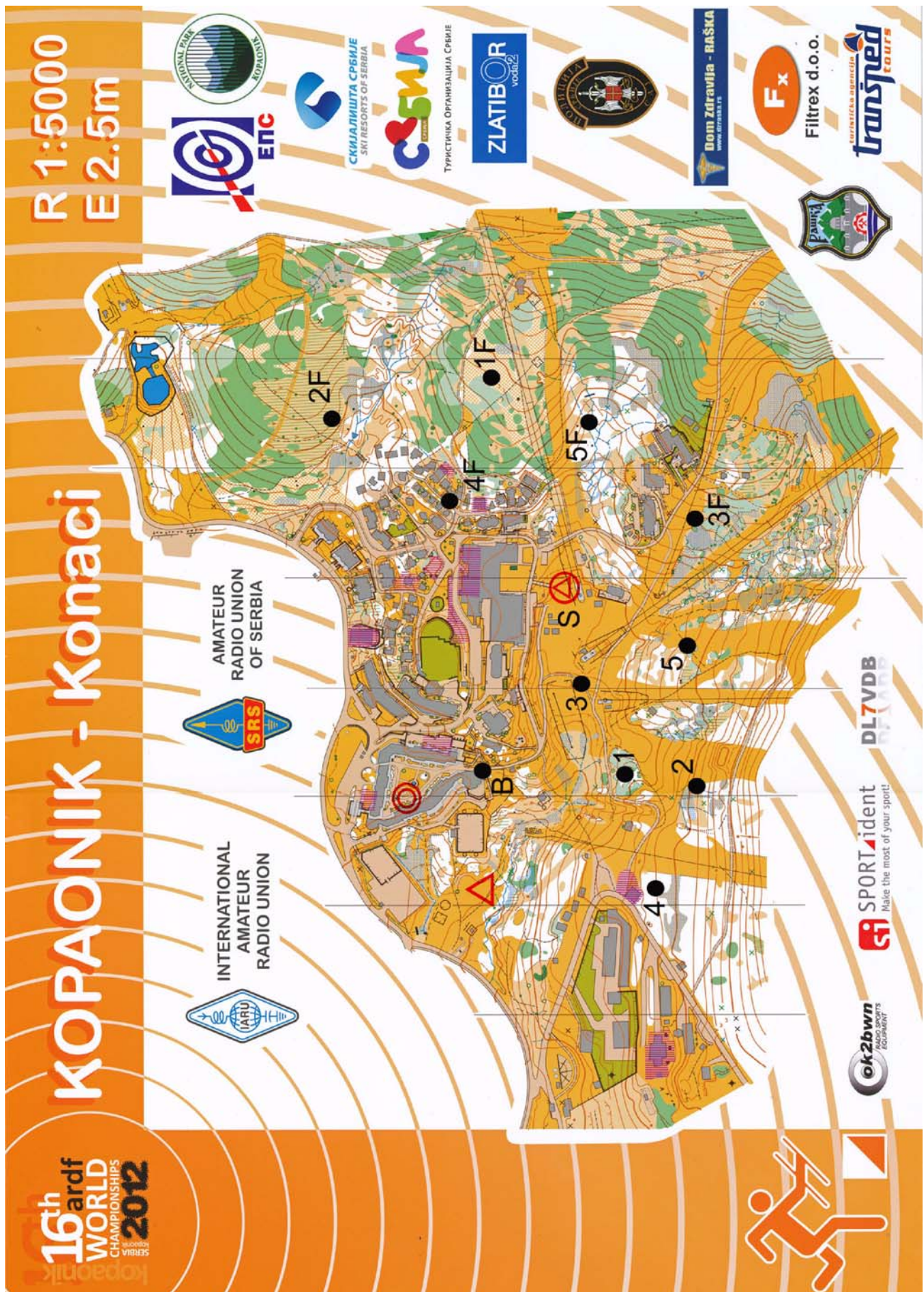
Björn - M21 found eight of the 10 ARDF transmitters and was 36th out of 37.

Dick was 24th and Jan 28th of 35 participants in M60. They both found the required seven ARDF transmitters and had a pretty successful day.

At 20:30 there was the Awarding Ceremony. Prior to this there was a brief ceremony. Angel Nestorov - LZ1AG was put in the limelight by Hans Blondeel Timmerman - PB2T, President of IARU Region 1. On behalf of his society BFRA he received a special plaque in connection with the fact that he had been an active ARDF'er for 50 years [922].

Angel has also enthusiastically participated in the creation of the book, mentioned on page 247, about the history of the IARU ARDF Championships.





921. 2012: The complete map of the ARDF Sprint competition. Format with edges 362 x 253 mm. Scale 1:5,000 and contour lines at 2.5 m height difference. North is to the left. The start is left on the map and the finish on the lawn inside the hotel complex.

That the elderly can have fast legs can be seen at the Sprint DF7XU in 16:30 and second Dieter Barg - DL9MFI in 17:05 in the category M70. Germany won both the gold and the silver medal in this category. First was Dieter Schwider - minutes. Third was Viktor Baranovskiy (UKR) at 20:44 minutes [923].





922. 2012: PB2T hands over the special plaque to LZ1AG.



923. 2012: Sprint M70: 1st DF7XU, 2nd DL9MFI and 3rd Viktor Baranovskyi.

### Picnic

For relaxation between the serious competitions there was a picnic at 16:00 on the grounds where the start of the Sprint had been held that morning. A band played lively music and there was dancing [924]. For the attendees there was free beer and soft drinks, which also increased the party mood.



924. 2012: The picnic was a pleasant occasion . Photo DF7XU



925. 2012: Relaxation during the picnic. Photo DF7XU

### 50.7. SECOND ARDF COMPETITION AND HAMFEST

On Friday, September 14th we got up early again. The bus would leave at 8:00 am to the start of the **second ARDF competition**. There was some fog and it had rained the previous night. During the whole competition it fortunately stayed dry. The buses drove toward the area where the four training competitions for the World Cup were held. However, they stopped just south of this area, see overview [867]. The procedure was identical to that in the first ARDF competition on 12 September. All participants were now, however, on the other frequency band. Jenny was on 80 m (3 foxes) and the other Dutch competitors on 2 m (Dick and Jan 3 foxes, Björn had stomach problems and had not come to the start). The start was at the top left of the map [935]. The finish was about 1 km south from the start and therefore on the edge of the area. All transmitters were within an area of roughly 2.5 x 2.5 km. Most transmitters were south and southeast of the start. The map joined at the lower right corner to the upper left part of the map that was used in the first ARDF competition on 12 September [910].



926. 2012: The Czech team brought their own tents.

Between the start and the area where the foxes were situated there was firstly was a large 50 m high hill. All participants were sent up this hill via start corridors. Once you were over it, you had various other hills to climb.

There were several streams and too many wet plains throughout the area.

Three of the foxes were (in straight line distance) at approximately 1 km from the start, four at approximately 2 km and the remaining three at more than 2.5 km.



927. 2012: Arranged by country, the receivers are waiting to be picked up for the competition.

The finish was on a large open plain between a paved path and the main road. The competitors who came from southern directions, could only get here by crossing a brook lying in a deep valley and then continuing with wet feet. The banks of



the stream were difficult to traverse because of the many fallen trees.



928. 2012: The Bulgarian trader did good business. At the finish of the two ARDF competitions he had a stand with different sports items for a comparatively low price.

The distances to cover were greater than in the first ARDF competition. Most problems occurred in the categories W19 (2 m - transmitters 1, 2, 3, 4), W60 (80 m - transmitters 2, 3, 4) and M70 (80 m - transmitters 1, 2, 4). The winners took here more than 90 minutes and even 114 minutes in W19! That it was a difficult area, is reflected in our results. Jenny (80 m) found only two of the required three foxes, she was the ninth of the 11 participants. Dick found no fox on 2 m and Jan found only one, making him still the 33rd of the 43 participants. In their category M60 there was one outside time and there were seven, including Dick, who found no fox at all. So not a successful day for the Dutch team.

In total, five of the total of 333 participants were disqualified, nine came in out of time (150 minutes was allowed), and 18 found no fox at all, or retired. It was a tough event for both the participants on 2 m and 80 m. On 2 m only about half of the participants found all the foxes required for their category. The Awarding Ceremony for the second ARDF competition took place at 18:30 [929].



929. 2012: Because all the chairs had been moved to the sports hall for the Hamfest, the spectators had to stand.



930. 2012: Teams W35: 1st Russia, 2nd China and 3rd Czech Republic.

## Hamfest

Then came the traditional Hamfest. It was held in the sports hall of the Grand Hotel filled with tables and chairs.



931. 2012: The teams of the Netherlands and Estonia shared a table.



932. 2012: There was a large number of different starters to choose from. Photo PA0DFN

There was a large hot and cold buffet and there was a band playing. The music was so loud that it was virtually impossible to talk with someone who sat next to you. There was plenty to eat and drink, but the beverages were for own account.



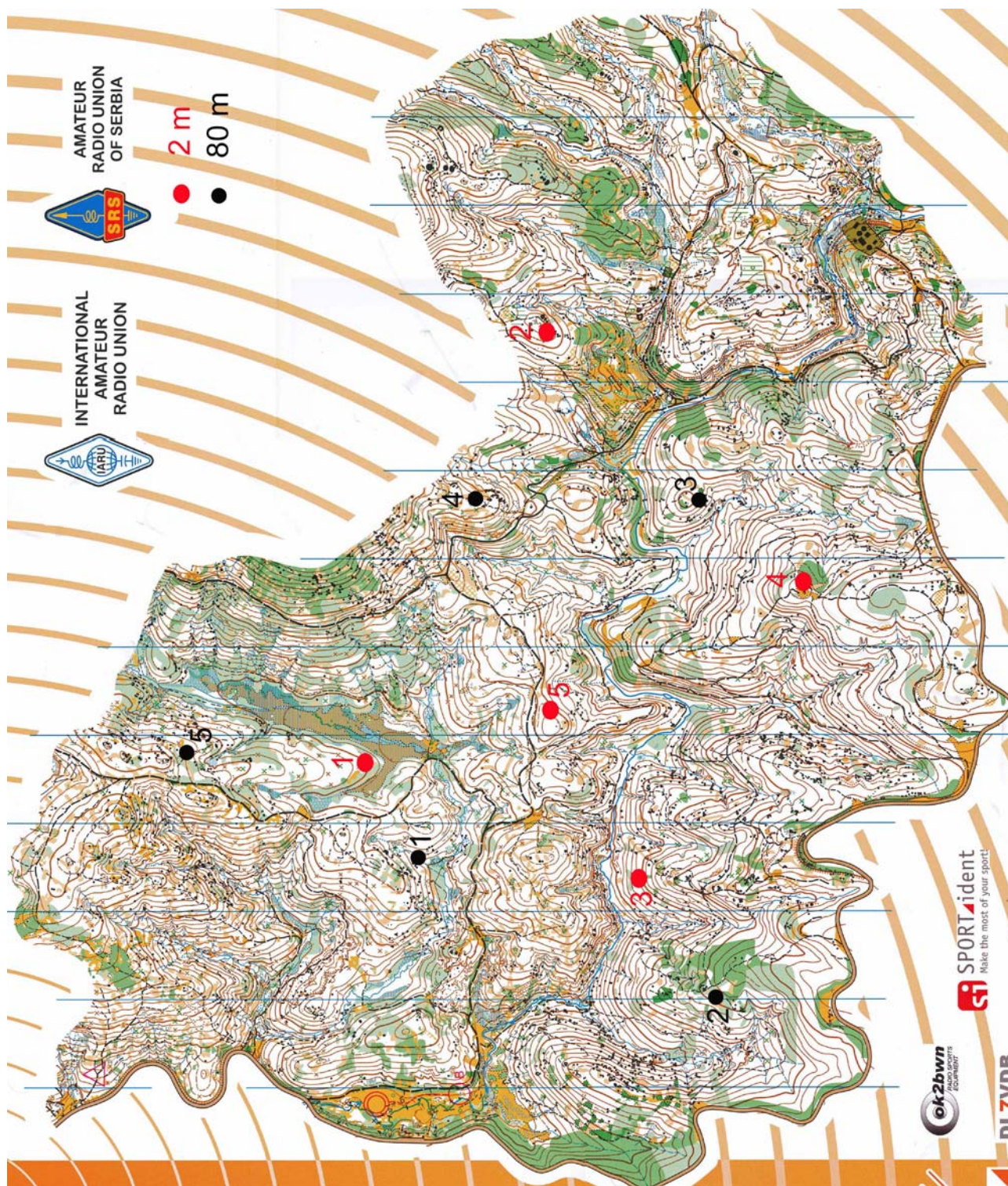
933. 2012: The music was loud... Photo DF7XU



During the Hamfest again the necessary trinkets and souvenir cards were exchanged [936]. Because the Ukrainians always bring a bottle of vodka for us, this time we had also brought something for them: a bottle of Bokma old gin (jenever) ...

934. 2012: A special sight during the Hamfest was David Williams - M3WDD. He was completely wrapped in the flag of the United Kingdom. Photo PA0DFN





935. 2012: The map of the second ARDF competition. North is on the left. Format with borders 438 x 339 mm. Scale 1:10,000 and contour lines at 5 m height difference. The borders are here also removed. The start and the finish are at top left. The northern part of the map overlaps the southern part of the map of the training competitions [886], and bottom right overlaps the map of the first ARDF competition [910].



936. 2012: The Swedish and Dutch souvenir card. The Swedish is retrofitted with the medals won: three times a team medal and two times an individual (M40).





## 50.8. FOXORING COMPETITION AND CLOSING CEREMONY

On Saturday 15 September the last part of this ARDF World Championships took place. A fairly large number of participants, including China, Japan and Korea, was already travelling home on this day. As a result, there were only 220 participants for this **ARDF Foxoring competition**, being on the programme for the first time.

At 8:00 am the participants left for the start in four buses. They drove north and stopped quite soon near an open spot along the road. The competition area was found to consist of a combination (large) parts of the areas of the first and second ARDF competition, see overview [867]. The weather this day was again dry, and later sunny, although the forecasts had been less positive.



937. 2012: Sitting on stacks of felled timber the participants are awaiting the start of the Foxoring competition. Photo PA0DFN

There were 31 start groups and a total of 220 participants. The procedure was identical to that in the ARDF Sprint, so there was one starting group every two minutes. The first start was at 9:34 am.

The map was again large: 34 x 42 cm, thus slightly larger than A3. A part could be trimmed off (border and advertising). The scale was 1:10,000 and with contour lines at 5 m height difference. The start was right down at the bottom of the map. The finish was about in the middle. The competition area was located north and east of the finish. The transmitters were distributed over the whole area and at fairly large distances from each other, an average of 400 to 500 m. The transmitters were within a range of roughly 2.5 x 2.5 km. In the lower left square there was no transmitter at all. The allowable run time was 100 minutes. The terrain was as difficult as that in the previous competitions.

Use was made of the MICROFOX HF (Sprint) transmitters [892], set to low power (10 mW) and with a very short antenna (30 cm). So the foxes were very weak and first audible in the immediate vicinity. There was no flag at the transmitters, only the SPORTident station. It was therefore a competition for the real orienteers, using map and compass running to the exact location of the next transmitter. And that in 'inhospitable' terrain. What is more, the Foxoring transmitters worked on three different frequencies. That made the searching for the transmitters very difficult.

To illustrate:

1, 1F, 2, 3F	3520 kHz	slow signalling
3, 3F, 4, 4F	3540 kHz	slow signalling
5, 5F	3560 kHz	fast signalling
MO	3600 kHz	

Depending on the category certain transmitters had to be searched for [943]. While running, the receiver therefore had ARDF IARU Championships

to be re-tuned occasionally to a new frequency, without knowing exactly whether it was properly tuned. Owners of a receiver with a microprocessor (with frequency memories) had less problems here.



938. 2012: The Dutch Foxoring team. Hans, Dick, Björn, Jenny and Jan. Jenny has just finished and still looks tired.

For the Netherlands, there were five participants in this competition. IARU Region 1 President Hans Blondeel Timmerman - PB2T had also registered for this event in the category M50 [938]. He had to find eight Foxoring transmitters. Jenny had to find six, Björn ten and Dick and Jan eight each.

Our results: Jenny (8th of 9) and Jan (18th of 26), both found only one transmitter (4F) and then got lost, Björn (20th of 24) found two (4F, 2), Hans (23rd of 29) found three (4F, 2, 3) and Dick (10th of 26) had risen high above us, he found five (4F, 2, 1, 3, 2F) transmitters!



939. 2012: This German participant was exhausted after the finish...

CLUB	NAME	CLUB	RUN TIME	FOX	SCORE	SEQUENCE
CZE	1. Karel FUCIK	CZE	56:43	11	91	S-9-2-1-3-7-4-8-1
CZE	2. Jakub URA	CZE	62:05	11	92	S-9-2-1-3-7-4-8-1
POL	3. PAMEL JASIAN	POL	63:49	11	168	S-9-2-1-3-7-4-8-1
LIT	4. Mindaugas Rakvosas	LIT	64:03	11	140	S-9-2-1-3-7-4-8-1
UNK	5. RUDOLPH GIMARAY	UNK	65:14	11	270	S-9-2-1-3-7-4-8-1
UNK	6. Oleksii Ivanko	UNK	69:43	11	43	S-9-2-1-3-7-4-8-1
UNK	7. Volodymyr Shchepov	UNK	72:00	11	45	S-9-2-1-3-7-4-8-1
UNK	8. ALEXANDER BARNHIN	UNK	72:17	11	282	S-9-2-1-3-7-4-8-1
POL	9. KRYSTOF LAMONCI	POL	76:53	11	170	S-9-2-1-3-7-4-8-1
UNK	10. EDUARD GOSHOV	UNK	77:44	11	272	S-9-2-1-3-7-4-8-1
UNK	11. Alexander Hergert	UNK	77:57	11	222	S-9-2-1-3-7-4-8-1
GER	12. Stephan Koberle	GER	80:26	11	221	S-9-2-1-3-7-4-8-1
UNK	13. Jozsef SZAL	UNK	81:08	11	349	S-9-2-1-3-7-4-8-1
UNK	14. Martin KOSUP	UNK	86:54	11	317	S-9-2-1-3-7-4-8-1
POL	15. KRZYSZTOF ZAROSKIEWICZ	POL	89:10	11	169	S-9-2-1-3-7-4-8-1
UNK	16. Danyel Nikolov	UNK	97:39	11	250	S-9-2-1-3-7-4-8-1
UNK	17. Ramiel Alanko	UNK	90:49	10	42	S-9-2-1-3-7-4-8-1
CZE	18. Peter MATULA	CZE	52:36	7	94	S-9-2-1-3-7-4-8-1
UNK	19. Axel Schilling	UNK	76:55	4	223	S-9-2-1-3-7-4-8-1
UNK	20. Björn Dinnis	UNK	91:10	2	361	S-9-2-1-3-7-4-8-1
UNK	21. Henrik Lindell	UNK	116:05	11	296	S-9-2-1-3-7-4-8-1
UNK	22. Hans Røp	UNK	122:20	9	201	S-9-2-1-3-7-4-8-1
UNK	23. Milan Kasev	UNK	94:34	32	5	
UNK	24. Kristian Huska	UNK	92:34	244	5	

940. 2012: The final results in category M21.

A maximum running time of 100 minutes was allowed. The fastest time was run by Karel Fucik - M21 (CZE). He found all transmitters in 56:43 minutes [940]. This was really a competition for young orienteers. In the categories W35, M60 and



2012 – Serbia: 16th ARDF IARU World Championships

M70 several participants finished out of time. In M70 was only one participant from the 15 found all (6 + MO) transmitters within time. In M60, there were only 3 of the 26 who found the required (8 + MO) transmitters within time. For us

it was too tough a match. Because of the terrain, the different frequencies, the weak signals, the short time allowed and the rather large distances between the transmitters we achieved here but little.



941. The map of the Foxoring competition. Size with borders 420 x 339 mm. Scale 1:10.000 and contour lines at 5 m height difference. The borders are removed here. The start is below and the finish is in the centre. The northern part of the map overlaps to a large extent the southern part of the map of the second ARDF competition [935] and in the east for an even larger part the map the first ARDF competition [910].

At 17:00 the Awarding Ceremony was held. There was no team ranking, only individual. Remarkably, Wilhelm Lietz - DL4KCU in M70 won the silver medal, with two transmitters less than the required 6 + MO.



942. 2012: The winners in M40: 1st Remigijus Masilionis (LTU), 2nd Hakan Melin (SWE) and 3rd Valery Denisov (BLR). Right Igor Lazarev - US0VA (referee), who handed out the medals.

Category	Tx	Search for									
W19	9	1	2	3	4	5	__	2F	3F	4F	5F
W21	9	1	2	3	4	5	1F	2F	3F	4F	__
W35	8	1	2	3	4	__	__	2F	3F	4F	5F
W50	7	1	2	3	__	5	__	2F	__	4F	5F
W60	6	1	2	__	__	5	__	2F	__	4F	5F
M19	9	1	2	3	4	5	1F	__	3F	4F	5F
M21	10	1	2	3	4	5	1F	2F	3F	4F	5F
M40	9	1	__	3	4	5	1F	2F	3F	4F	5F
M50	8	1	2	3	__	5	1F	2F	__	4F	5F
M60	8	1	2	3	__	5	__	2F	3F	4F	5F
M70	6	1	2	3	__	5	__	2F	__	5F	__

943. 2012: The overview of the Foxoring transmitters to be found.



### The closing ceremony

The world championship ended with the formal closing ceremony. Here again the Serbian anthem was played and there were a few short speeches. Dusan Ceha - YU1EA addressed words of thanks to everyone who had contributed to the success of the event.



944. 2012: As a souvenir, there were plaques for Jiri Marecek - OK2BWN (care of the transmitters), Karl-Heinz Schade - DL7VBD (care of the registration of the competitions and classifications) and Per-Axel Nordwaeger (chairman of the international jury). There was also, via DL7VDB, a plaque for the German manufacturer of the SPORTident equipment.

Finally the President of IARU Region 1 Hans Blondeel Timmerman - PB2T thanked the organizing society SRS for the effort made and he offered the Chairman of the Executive Committee and Vice President of the SRS a souvenir [945].



945. 2012: Hans - PB2T offers Sinisa Radulovic - YU1RA as a souvenir a pair of Dutch clogs.



946. 2012: Medals of the 16th ARDF World Championships.



947. 2012: Certificate of participation in the 16th ARDF World Championships.



948. 2012: Shirt number of the 16th ARDF World Championships.

### Final conclusion

In general it can be said that these were good and successful world championships. The accommodation, care and the facilities were fine. The competitions were (very) seriously affected by the difficult terrain. The choice of the site for the competition for the blind was not suitable.



949. 2012: ID card with carrying ribbon of the ARDF Championships.



## 2012 – Serbia: 16th ARDF IARU World Championships

The organization worked to the utmost to make everything as good as possible. But they had very much taken a lot on their plate and therefore some things went less well than desired. In comparison, in our opinion, there was too much attention given to the competitions for the ARDF World Cup. This caused the following World Championships competitions to get somewhat little attention.

For example the information was not flawless, as after the World championships competitions there were no maps showing the positions of the transmitters and there were no badges / ID cards [949] for most of the participants and no certificates of participation in the championships [947]. These things we received only in January 2013 by post, but the certificates could already be downloaded from Internet. Furthermore, we missed having a large central room in the hotel (bar or hall with seats) where participants could meet in their leisure time.

### 50.9. THE RESULTS

#### 50.9.1. General and the Netherlands participation

Year Kind	Date/ Country / Organization Location / Hotel(s)	Participants Pers.	Ctries	Dutch participants / Visitors	Cat.	Band	Place / Number Individual Team	Rem.	
2012  16th World	2012.09.10/16 Serbia / SRS	369	30 *)	1. Jenny Fijlstra - NL12125	W60	2 m	5 / 12		
		202	16 **)			Sprint	11 / 11	n.a.	
						80 m	9 / 12		
						Fox	8 / 9	n.a.	
	2. Björn Dinse - PA4BWD			M21	2 m	Did not start			
					Sprint	36 / 37	n.a.		
					80 m	Disq.			
					Fox	20 / 24	n.a.		
	3. Hans Blondeel Timmerman - PB2T			M50	2 m	Did not start			
					Sprint	Did not start			
					80 m	Did not start			
					Fox	23 / 29	n.a.		
	4. Dick Fijlstra - PA0DFN			M60	2 m	- / 43	- / 10		
					Sprint	24 / 35	n.a.		
					80 m	23 / 44	12 / 13		
					Fox	10 / 26	n.a.		
	5. Jan Hoek - PA0JNH			M60	2 m	33 / 43	- / 10		
					Sprint	28 / 35	n.a.		
					80 m	33 / 44	12 / 13		
					Fox	18 / 26	n.a.		
Kopaonik MK Mountain Resort Hotels: 1. Hotel Angella 2. Hotel Grand 3. Hotel JAT 4. Konaci apartments									
*) Participants in the four ARDF + blind competitions.									
**) Participants in the (training) World Cup. For part these are the same participants as in the four ARDF competitions.									

Explanation:

- No fox found, so no ranking.

aL ausser Limit or 'out of time', so no ranking and also not in the team ranking.

Disq. Disqualified for violating one of the rules.

n.a.. Not applicable, no ranking of the teams.



950. 2012: Thus ran the Dutch participants in the Foxoring competition towards the finish line. Jan - PA0JNH, Hans - PB2T, Björn - PA4BWD, Jenny - NL 12125 and Dick - PA0DFN. Photo DG4AAN



## 50.9.2. List of participating countries in IARU ARDF Championships

	1958	1961	1966	1969	1974	1977	1980	1983	1986	1989	1992	1995	1998	2001	2004	2007	2010	2012	Total
<b>Championships:</b>																			
European Championships	1	2	3	4	5	6	7												
Region 1 Championships							8					9	10	11		12	13	14	15
World Championships								1	2	3	4	5	6	7	8	9	10	11	12
<b>Participating countries:</b>																			
Australia / WIA																			7
Austria / ÖVSV		●	●	●	●	●	●			■	■	■	■	■	■	■	■	■	17
Belarus / BFFR																			6
Belgium / UBA										■	■								21
Bosnia & Herzegovina / SRABH																			7
Bulgaria / BFRA			●	●	●	●	●	●	■	■	■	■	■	■	■	■	■	■	32
Canada / RAC																			2
China / CRSA									■	■	■	■	■	■	■	■	■	■	15
Croatia / HRS																			20
Czechoslovakia / CRCC *)	●		●	●	●	●	●	■	■	■	■	■	■	■	■	■	■	■	13
Czech Republic / CRC *)																			20
Denmark / EDR	●																		16
Estonia / ERAU																			9
Finland / SRAL																			1
France / REF							●		■	■	■	■	■	■	■	■	■	■	19
Germany / DARC	●			●	●	●	●	■	■	■	■	■	■	■	■	■	■	■	31
German Dem. Rep. / RKDDR			●	●	●	●	●												6
Hungary / MRASZ			●	●	●	●	●	■	■	■	■	■	■	■	■	■	■	■	32
Israel / IARTS																			1
Italy / ARI	●																		1
Japan / JARL									■	■	■	■	■	■	■	■	■	■	14
Kazakhstan / UARK																			14
Korea (Rep.) / KARL																			12
Korea (People. Rep.) / ARA							●	■	■	■	■	■	■	■	■	■	■	■	5
Lithuania / LRMD																			17
Latvia / LRL																			1
Luxembourg / RL																			1
Macedonia / SRM																			9
Moldova / FRRM																			18
Mongolia / MRSF																			6
Montenegro / ***																			1
Netherlands / VERON																			18
New Zealand / NZART																			1
Norway / NRRL		●	●			●	●	■	■	■	■	■	■	■	■	■	■	■	26
Oman / ROARS																			4
Poland / PZK	●	●	●	●	●		●	■	■	■	■	■	■	■	■	■	■	■	31
Romania / FRR			●		●	●	●	■	■	■	■	■	■	■	■	■	■	■	24
Russia / SRR **)																			21
Serbia (& Montenegro) / SRJ / SRS ***)																			14
Slovakia / SARA *)																			20
Slovenia / ZRS																			18
Spain / URE																			1
Sweden / SSA	●	●	●	●	●			■	■	■	■	■	■	■	■	■	■	■	31
Switzerland / USKA		●			●	●		■	■	■	■	■	■	■	■	■	■	■	16
Turkey / TRAC																			1
Ukraine / UARL																			21
United Kingdom / RSGB																			17
USA / ARRL																			9
USSR / FRS **)		●	●	●	●	●	●	■	■	■	■	■	■	■	■	■	■	■	13
Yugoslavia / SRJ ***)	●	●	●	●	●	●	●	■	■	■	■	■	■	■	■	■	■	■	14
<b>Total number of countries</b>	5	8	6	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	

● Participation in European / Region 1 Championships

■ Participation in World Championships

\*) Czechoslovakia in 1993 split into Czech Republic and Slovakia.

\*\*) The USSR ceased to exist in 1990. It has continued as Russia.

\*\*\*) Yugoslavia after 1991 gradually disintegrated. In 2003 it continued as Serbia & Montenegro.  
In 2006 Montenegro separated from Serbia.



## 50.9.3. The medal winners

Category	1st - Individual	2nd - Individual	3rd - Individual	Teams:	1st	2nd	3rd
<b>2012 - 16th World - Serbia</b>							
<b>W o r l d C u p  80 m</b>	<b>W19</b>	Alzbeta Léharová CZE	Pavla Horová CZE	Petra Lnenická CZE			
	<b>W21</b>	Michaela Gomzyk Omová CZE	Victoria Golubeva RUS	Veronika Krcálová CZE			
	<b>W35</b>	Olga Panchenko RUS	Elena Ovchinnikova RUS	Alla Mezhevaya USA			
	<b>W50</b>	Galina Malysheva-RU3TWA RUS	Natalia Denisova BLR	Mária Fekiacova SVK			
	<b>W60</b>	Jana Omová CZE	Galina Petrochkova RUS	Ruth Bromer - WB4QZG USA			
	<b>M19</b>	Bogdan Rodionov RUS	Dmitry Malyshekin RUS	Pavel Hladík CZE			
	<b>M21</b>	Jakub Oma CZE	Andriy Gomzyk CZE	Alexander Parshin RUS			
	<b>M40</b>	Baktybek Sharshenov RUS	Vadim Petrov RUS	Jens Henneberg - DL8UAN GER			
	<b>M50</b>	Jiri Marecek - OK2BWN CZE	Pavel Babeu - YO9TW ROM	Jozef Fekiac - OM3CCE SVK			
	<b>M60</b>	Nazhib Mukhitov RUS	Jay Hennigan - WB6RDV USA	Sergei Faleev - UA1JA RUS			
<b>W o r l d C u p  2 m</b>	<b>M70</b>	Robert Cooley - KF6VSE USA	Dieter Schwider - DF7XU GER	Zivorad Tomasevic SRB			
	<b>W19</b>	Alzbeta Léharová CZE	Ekaterina Smirnova-RK4HZT RUS	Pavla Horová CZE			
	<b>W21</b>	Michaela Gomzyk Omová CZE	Irina Platonova RUS	Victoria Golubeva RUS			
	<b>W35</b>	Olga Panchenko RUS	Elena Ovchinnikova RUS	Brigitte Drews - DL7AFJ GER			
	<b>W50</b>	Galina Malysheva-RU3TWA RUS	Natalia Denisova BLR	Liudmila Zaporozhets UKR			
	<b>W60</b>	Galina Petrochkova RUS	Liudmila Khoroshavina RUS	Jana Omová CZE			
	<b>M19</b>	Bogdan Rodionov RUS	Ondrej Simáček CZE	Alexandru Babeu- YO9ITW ROM			
	<b>M21</b>	Evgeny Panchenko RUS	Andriy Gomzyk CZE	Jakub Oma CZE			
	<b>M40</b>	Baktybek Sharshenov RUS	Vadim Afonkin - KB1RLI USA	Vadim Petrov RUS			
	<b>M50</b>	Jiri Marecek - OK2BWN CZE	Pavel Babeu - YO9TW ROM	Jozef Fekiac - OM3CCE SVK			
<b>W o r l d C u p</b>	<b>M60</b>	Chermen Guliev - UA3BL RUS	Sergei Faleev - UA1JA RUS	Yuri Nurfaliev - RW9WS RUS			
	<b>M70</b>	Dieter Schwider - DF7XU GER	Anatoly Petrov RUS	Robert Cooley - KF6VSE USA			
	<b>W19</b>	Alzbeta Léharová CZE	Pavla Horová CZE	Anastasiya Desinova BLR			
	<b>W21</b>	Michaela Gomzyk Omová CZE	Irina Platonova RUS	Victoria Golubeva RUS			
	<b>W35</b>	Olga Panchenko RUS	Elena Ovchinnikova RUS	Jitka Simáková CZE			
	<b>W50</b>	Galina Malysheva-RU3TWA RUS	Natalia Denisova BLR	Liudmila Zaporozhets UKR			
	<b>W60</b>	Jana Omová CZE	Galina Petrochkova RUS	Eliska Vorácková CZE			
	<b>M19</b>	Bogdan Rodionov RUS	Ondrej Simáček CZE	Jakub Srom CZE			
	<b>M21</b>	Evgeny Panchenko RUS	Andriy Gomzyk CZE	Illiana Ivanko UKR			
	<b>M40</b>	Baktybek Sharshenov RUS	Vadim Afonkin - KB1RLI USA	Vadim Petrov RUS			
<b>80 m</b>	<b>M50</b>	Sergii Zelenskyi UKR	Jiri Marecek - OK2BWN CZE	Jozef Fekiac - OM3CCE SVK			
	<b>M60</b>	Chermen Guliev - UA3BL RUS	Oleg Fursa UKR	Viktor Korhunov UKR			
	<b>M70</b>	Robert Cooley - KF6VSE USA	Dieter Schwider - DF7XU GER	Olle Nilsson - SM0KOM SWE			
	<b>W19</b>	Anastasiya Desinova BLR	Ana Cufer SLO	Alzbeta Léharová CZE	CZE	RUS	UKR
	<b>W21</b>	Michaela Gomzyk Omová CZE	Natalia Giklova RUS	Hana Fuciková CZE	CZE	RUS	UKR
	<b>W35</b>	Svetlana Godunova RUS	Jitka Simáková CZE	Chunyan Luo CHN	RUS	CHN	CZE
	<b>W50</b>	Natalia Denisova BLR	Klára Zarnóczy - HA0RZK HUN	Galina Krassowizkaja GER	SVK	GER	HUN
	<b>W60</b>	Galina Petrochkova RUS	Eliska Vorácková CZE	Galina Koroleva RUS	RUS	CZE	USA
	<b>M19</b>	Ondrej Simáček CZE	Bogdan Rodionov RUS	Mateusz Szczypior POL	CZE	RUS	POL
	<b>M21</b>	Oleksii Ivanko UKR	Karel Fucik CZE	Roman Gubarev RUS	UKR	EUS	CZE
<b>2 m</b>	<b>M40</b>	Vadim Afonkin - KB1RLI USA	Bengt Evertsson - SM4VMU SWE	Eduard Godunov RUS	RUS	SWE	UKR
	<b>M50</b>	Valeriy Herashchenko UKR	Victor Romanov RUS	Mykhailo Pugach UKR	UKR	UKR	RUS
	<b>M60</b>	Chermen Guliev - UA3BL RUS	Mykola Velikanov - UT1UC UKR	Oleg Fursa UKR	UKR	RUS	BUL
	<b>M70</b>	Bob Titterington - G3ORY GBR	Dieter Barg - DL9MFI GER	Algimantas Dapkus-LY2CD LTU	GER	SWE	RUS
	<b>W19</b>	Anastasiya Desinova BLR	Pavla Horová CZE	Alzbeta Léharová CZE	CZE	UKR	RUS
	<b>W21</b>	Irina Platonova RUS	Michaela Gomzyk Omová CZE	Magdalena Dura POL	RUS	CZE	UKR
	<b>W35</b>	Nataliya Shcherbatyuk UKR	Chunyan Luo CHN	Olga Panchenko RUS	CHN	GER	CZE
	<b>W50</b>	Ferencné Cserpák HUN	Alexandra Látalová CZE	Liudmila Zaporozhets UKR	SVK	HUN	GER
	<b>W60</b>	Eliska Vorácková CZE	Galina Petrochkova RUS	Jana Omová CZE	CZE	RUS	-
	<b>M19</b>	Dmitry Malyshekin RUS	Mateusz Deptulski-SQ2JSO POL	Martin Zacharovsky SVK	RUS	POL	UKR
<b>S p r i n t  80 m</b>	<b>M21</b>	Karel Fucik CZE	Roman Gubarov RUS	Jakub Oma CZE	CZE	RUS	SVK
	<b>M40</b>	Vasyl Kolodiaznyi UKR	Sergiy Goncharuk UKR	Valery Desinov BLR	UKR	RUS	SWE
	<b>M50</b>	Victor Romanov RUS	Mykhailo Pugach UKR	Jiri Marecek - OK2BWN CZE	UKR	RUS	KOR
	<b>M60</b>	Oleg Fursa UKR	Heinrich Götze GER	Branimer Vinko - 9A2UP CRO	UKR	CRO	GER
	<b>M70</b>	Robert Cooley - KF6VSE USA	Viktor Baranovskyi UKR	Anatoly Petrov RUS	GER	-	-
	<b>W19</b>	Anastasiya Desinova BLR	Alzbeta Léharová CZE	Pavla Horová CZE			
	<b>W21</b>	Michaela Gomzyk Omová CZE	Hana Fuciková CZE	Natalia Giklova RUS			
	<b>W35</b>	Jitka Simáková CZE	Chunyan Luo CHN	Chunxiang Yang CHN			
	<b>W50</b>	Klára Zarnóczy - HA0RZK HUN	Galina Krassowizkaja GER	Galina Malysheva-RU3TWA RUS			
	<b>W60</b>	Eliska Vorácková CZE	Jana Omová CZE	Galina Koroleva RUS			
<b>F o x o r i n g  80 m</b>	<b>M19</b>	Jakub Srom CZE	Algirdas Bartkevicius LTU	Ondrej Simáček CZE			
	<b>M21</b>	Jakub Oma CZE	Karel Fucik CZE	Mindaugas Nakvosas LTU			
	<b>M40</b>	Sergiy Goncharuk UKR	Zbynek Záček CZE	Vadim Afonkin - KB1RLI USA			
	<b>M50</b>	Victor Romanov RUS	Valeriy Herashchenko UKR	Jiri Marecek - OK2BWN CZE			
	<b>M60</b>	Chermen Guliev - UA3BL RUS	Oleg Fursa UKR	Alexandr Kochergin - UN2J KAZ			
	<b>M70</b>	Dieter Schwider - DF7XU GER	Dieter Barg - DL9MFI GER	Viktor Baranovskyi UKR			
	<b>W19</b>	Pavla Horová CZE	Anastasiya Desinova BLR	Alzbeta Léharová CZE			
	<b>W21</b>	Michaela Gomzyk Omová CZE	Natalia Giklova RUS	Victoria Golubeva RUS			
	<b>W35</b>	Ausra Bartkeviciene LTU	Svetlana Godunova RUS	Irina Platonova RUS			
	<b>W50</b>	Natalia Denisova BLR	Klára Zarnóczy - HA0RZK HUN	Galina Krassowizkaja GER			
<b>80 m</b>	<b>W60</b>	Eliska Vorácková CZE	Jana Omová CZE	Galina Koroleva RUS			
	<b>M19</b>	Bogdan Rodionov RUS	Jakub Srom CZE	Algirdas Bartkevicius LTU			
	<b>M21</b>	Karel Fucik CZE	Jakub Oma CZE	Pawel Janiak POL			
	<b>M40</b>	Remigijus Masilionis LTU	Hakan Melin SWE	Valery Desinov BLR			
	<b>M50</b>	Victor Romanov RUS	Valeriy Herashchenko UKR	Mykhailo Pugach UKR			
	<b>M60</b>	Oleg Fursa UKR	Attila Gabor Kovács HUN	Chermen Guliev - UA3BL RUS			
	<b>M70</b>	Viktor Baranovskyi UKR	Wilhelm Lietz - DL4KCU GER	Angel Nestorov - LZ1AG BUL			

951. 2012: Overview of the medal winners of the training for the ARDF World Cup and the 16th World Championships in Serbia.



The survey [951] includes the four training competitions for the ARDF World Cup. For the overall ranking of the **World Cup**, the results of the best 2 m and 80 m competition are combined. So, for example, Ukraine won few medals in the overall ranking, though they only took part on the last two days. Under the non- (former) Eastern Bloc countries, the USA and Germany stand out in a positive way. They won medals respectively in the categories W35, M40 (2x), W60, M60, M70 (3x) and W35, M40, M70 (3x).

How many individual medals were obtained by the countries that participated in the 16th World ARDF Championships?

Country	ARDF 80 m			ARDF 2 m			ARDF Sprint			Fox-or-ing			Total individual			teams	
Place:	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Sum	Sum
Czech (CZE)	2			2			5			4			13			37	12
		3			3			5			3				14		
			2			4			3			1			10		
Russia (RUS)	3			3			2			2			10			29	17
		3			2					2				7			
			3			2			3			4			12		
Ukraine (UKR)	2			3			1			2			8			20	12
		1			3			2			1			7			
			2			1			1			1			5		
Germany (GER)		1			1			2			1				5		6
			1								1				2		
Belarus (BLR)	2			1			1			1			5			8	-
						1					1				2		
Lithuania (LTU)										2			2				-
							1							1			
		1							1						3		
Hungary (HUN)				1			1						2			5	2
		1								2				3			
															-		
China (CHN)															-		2
					1			1							2		
			1														
Poland (POL)					1									1		4	2
			1												3		
United States (USA)	1			1									2			3	1
															1		
Sweden (SWE)		1													-		3
										1			2				
Slovenia (SLO)															-		-
		1													1		
United Kingdom (GBR)	1												1			1	-
															-		
															-		
Croatia (CRO)															-		1
						1									1		
Slovakia (SVK)															-		3
															-		
						1									1		
Kazakhstan (KAZ)															-		-
															-		1
Bulgaria (BUL)															-		1
												1			1		
Korea (KOR)															-		1
															-		
															-		
<b>Total</b>																<b>132</b>	<b>63</b>

952. 2012: The countries ranked by the number of individual medals won in four competitions at the World Championships. For the team standings only the two traditional ARDF competitions count.

### Participants per country and category

There is some correlation between the number of medals and the size of the entire team of a country. See the following table [953].

In positions 1 to 3 in both tables ([952] and [953]), are the

ARDF IARU Championships

countries that were always in the top three, in the past. They have similar numbers of participants and results, although the Czech Republic stands out in terms of the number of medals.

Country	W 1 9	W 2 1	W 3 5	W 5 0	W 6 0	M 1 9	M 2 1	M 4 0	M 5 0	M 6 0	M 7 0	Total
Russia (RUS)	3	3	4	1	3	4	5	4	4	3	2	36
Ukraine (UKR)	5	3	3	2	-	4	4	4	4	3	1	33
Czech Republic (CZE)	3	4	3	1	3	4	4	3	3	2	1	31
Germany (GER)	-	3	3	2	-	3	3	3	3	3	3	26
China (CHN)	3	3	3	-	-	3	3	3	3	1	-	22
Japan (JAP)	1	1	-	-	2	3	3	3	4	3	1	21
Poland (POL)	2	4	1	-	-	3	3	1	2	2	1	19
Slovenia (SLO)	1	3	-	-	-	2	3	3	2	1	2	17
Lithuania (LTU)	-	1	2	1	-	3	3	3	1	-	1	15
Slovakia (SVK)	2	2	-	2	-	3	2	-	3	-	-	14
Bulgaria (BUL)	3	1	-	-	-	3	1	2	-	3	1	14
Korea (KOR)	-	-	-	2	-	-	3	3	3	3	-	14
Hungary (HUN)	-	-	1	2	-	-	1	1	3	3	2	13
United States (USA)	-	1	1	-	2	-	-	2	2	3	2	13
Sweden (SWE)	-	-	-	-	-	-	1	3	2	3	2	11
United Kingdom (GBR)	-	-	-	1	-	-	-	3	2	1	2	9
Serbia (SRB)	-	-	1	-	-	-	2	3	1	1	1	9
Croatia (CRO)	-	1	-	-	-	1	-	-	1	3	-	6
Romania (ROM)	-	-	1	-	-	2	-	1	1	-	1	6
Belgium (BEL)	-	-	-	-	-	-	-	1	-	3	1	5
The Netherlands (NED)	-	-	-	-	1	-	1	-	1	2	-	5
Moldova (MDA)	-	-	1	-	-	-	-	1	1	-	1	4
Belarus (BLR)	1	-	1	1	-	-	-	1	-	-	-	4
Australia (AUS)	-	-	-	-	1	-	1	2	-	-	-	4
Estonia (EST)	-	-	-	-	-	-	-	1	1	-	-	2
Norway (NOR)	-	-	-	-	1	-	-	1	-	-	-	2
France (FRA)	-	-	-	-	-	-	-	1	1	-	-	2
Canada (CAN)	-	-	-	-	-	-	-	-	1	-	-	1
Montenegro (MNE)	-	-	-	-	-	-	-	-	-	-	1	1
Kazakhstan (KAZ)	-	-	-	-	-	-	-	-	-	1	-	1
<b>Total</b>	2	2	2	1	1	3	4	4	4	4	2	<b>360</b>
	2	8	4	5	2	5	0	9	3	4	6	

953. 2012: The 30 participating countries ranked by the number of participants per country in the four ARDF competitions. Each category can have more than three participants, because for the Foxoring other participants could be registered.

Germany, with an approximately equally large team (26 participants), remains with regards to the number of medals (8) still quite a bit behind these three.

China with a fairly large team (22 participants) remains even further behind in terms of the number of medals (4 medals) and Japan (20) and Korea (14), won no medal.

Poland (19) still won 4 medals and Slovenia (17), Bulgaria (14) and Slovakia (14) won one each.

Lithuania (15) does well in comparison with six medals and Hungary (13) still won five medals.

It is worth noting further that the USA (13) and Sweden (11), respectively won three and two medals.

The most striking performance is that of Belarus (4), they won eight medals.

For the remaining 15 smaller teams there was not much to win. Only the United Kingdom (9) Croatia (6) and Kazakhstan (1) won one medal each.

### Team standings

In the team classification (only 2 classical ARDF competitions) the ratio is according the individual medals (see right column in Table 952). Germany is doing much better here in comparison, with six medals. The countries with the small(er) teams remain (far) behind the numbers 1, 2, 3 and 4.



#### 50.9.4. Who won most medals?

Below is a photo montage of the individual participants, who won three or four medals in the four competitions that count for the 16th ARDF World Championships. The (training) competition for the ARDF World Cup competitions are thus disregarded.

First, in random order, the seven participants who won one medal in each of the four competitions [954] to [960]. And then the 11 participants who won a medal in three of the four competitions [961] to [971]. All 18 photos were taken at the finish by Sylke Höfner - DG4AAN.



954. Karel Fucik - M21 - CZE:  
2 x gold, 2x silver.



955. Oleg Fursa - M60 - UKR:  
2 x gold, 1x silver, 1x brass.



956. Viktor Romanov - M50 - RUS:  
3 x gold, 1x silver.



957. Alzbeta Léharová - W19 - CZE:  
1x silver, 3x brass.



958. Anastasia Desinova - W19 - BLR:  
3x gold, 1x silver.



959. Michaela Gomzyk Omová - W21 - CZE:  
3x gold, 1x silver.



960. Eliska Vorácková - W60 - CZE:  
3 x gold, 1x silver.



961. Chermen Guliev - M60 - RUS:  
2x gold, 1x brass.





962. Jakub Oma - M21 - CZE:  
1 x gold, 1x silver, 1x brass.

963. Jana Omová - W60 - CZE:  
2 x silver, 1x brass.

964. Mykhailo Pugach - M50 - UKR:  
2 x silver, 1x brass.

965. Valeriy Herashchenko - M50  
- UKR: 1x gold, 2x silver.



966. Galina Koroleva - W60 -  
RUS: 3x brass.

967. Galina Krassowizkaja - W50  
- GER: 1x silver, 2x brass.

968. Chunyan Luo - W35 - CHN  
2x silver, 1x brass.

969. Pavla Horová - W19 - CZE:  
1x gold, 1x silver, 1 x brass.



970. Viktor Baranovski - M70 - UKR:  
1x gold, 1x silver, 1x brass.

971. Natalia Giklova - W21 - RUS:  
2x silver, 1x brass.



## 51. 2013 - POLAND: 19TH ARDF IARU REGION 1 CHAMPIONSHIPS

For the fifth time IARU ARDF Championships will be held in Poland.

They will be held from 9 to 15 September 2013 in Kudowa Zdrój in southwest Poland, near the Czech border, about 180 km southeast of Dresden.

It is a spa and is located in a landscape of mountains and forests, in the Kłodzko Valley in the Sudeten mountains.

The participants will be accommodated in the Hotel Verde Montana \*\*\*\* in Kudowa Zdrój. The hotel has 140 rooms, equipped with satellite TV, Wi-Fi Internet and a bathroom with shower (see [www.verdemontana.pl](http://www.verdemontana.pl)).



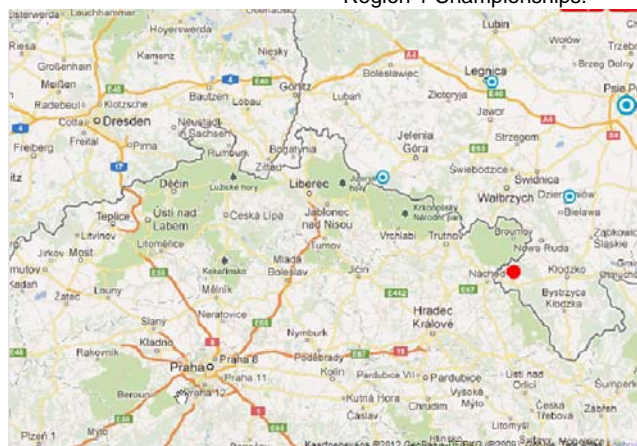
972. 21013: Logo 19th ARDF IARU Region 1 Championships.



973. 2013: The Verde Montana Hotel. Photo Internet

The Polish IARU Society PZK is responsible for the organization of the event. The implementation, as for example in 2007, is in the hands of the Polish ARDF Club of PZK in Bydgoszcz.

The competition sites are in the forests around the Kłodzko Valley at an altitude of approximately 700 m asl. The terrain is of average difficulty, hilly with dense vegetation.



974. 2013: The border region of Germany, Poland and the Czech Republic. The thick red dot marks Kudowa Zdrój.

### 51.2. ADDITION TO PARAGRAPH 49.5

In the book (paragraph 49.5 on page 238) one medal winner is not included. It is Klara Zarnoczay - HAOKLZ. Up to 2011 she won 11 medals. Here is her photo.



975. Klara Zarnoczay - HAOKLZ (2011): 11 medals

### 51.1. INFORMATION ABOUT THIS SUPPLEMENT

This is a supplement to the book *“ARDF IARU European - Region 1 - World Championships”* by Jan Hoek - PA0JNH. It has been written after the 16th ARDF World Championships in Kopaonik in Serbia.

Chapter 50 replaces chapter 46 in the book. Chapter 51 is new.

This supplement appears in a Dutch and an English version as a PDF file. They are placed on the websites of VERON and IARU and may be freely downloaded.

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Anyone who has participated in the creation of this supplement to the book, is hereby thanked warmly.

I intend to present an updated version of the book at the Championships in Poland. This will be in the form of a PDF file on CD. I ask everybody to send me missing information, in particular about the championships in 1975 and before. I am looking for maps, photos, documents, etc.

All material can be sent (maximum size of an email is 8 Mbyte) to [pa0jnh@kpnmail.nl](mailto:pa0jnh@kpnmail.nl)

West Grafdijk, 25 January 2013