

INTERNATIONAL ORIENTEERING FEDERATION

Biennial Report 1996–1998





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Petter Thoresen, NOR, World Champion 1997

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President's Forward

This Biennial Report describes the many activities of the IOF during the past 2 years. I should like to highlight a few of these from a personal point of view.

Our longterm goal for the IOF is to increase the number of people enjoying orienteering. The role of the IOF is to help federations to achieve this by taking away the barriers and oiling the wheels. With this in mind, the increase in IOF membership to the magic 50 is a highlight of this period.

During this Congress period one of the main aims of the Council has been to achieve a higher profile for the IOF and orienteering. In this context, the inclusion of orienteering in the World Games in Akita, Japan and the incorporation of the WMOC in the World Masters Games 2002 in Melbourne are significant achievements. On both occasions orienteering will have the opportunity for TV exposure alongside other major world sports.

The Olympic Games is an important item on the Agenda of this year's General Assembly. The 1996-8 Congress period is notable for bringing the Olympic issue to the fore. I regard as extremely healthy the lively debates now going on. If we can unite around a single strategy we shall make progress towards our objective. To this end, a formidable, enlarged Olympic Project Group started work 8 months ago and we are beginning to see the results in the plans now being put before you.

During the past 2 years IOF has taken an increasingly active part in international suprasport bodies such as Association of Recognised International Sports Federations (ARISF) and the General Assembly of International Sports Federations (GAISF). Involvement with them is crucial to success on the Olympic front.

I welcome the open debate on an event format suited to the Olympic programme. I welcome also the appearance of the media-friendly Park World Tour, with which the IOF is liaising closely. Debate and creativity is important if our sport is to thrive and grow. The new Ranking Events, though still experimental, are significant in this regard. Growth and change also bring challenge, of course. We do have considerable work to do in the coming period to make the elite competition programme more satisfactory. The future of the World Cup, date conflicts, excessive cost and competition overload, must all be resolved.

Two years ago a big question before us was mountain bike orienteering. I am pleased to see this newest discipline developing steadily. Trail O has made progress too, and both these forms are seeking World Championship status at this Congress.

On a personal note, some of the most rewarding experiences of the past Congress period have been the achievements of our elite athletes. There have been some magical moments. Every gold medallist achieves something exceptional, but the joy of the Austrians on Lucie Bohm's win and the extasy of the Danish Relay team in Grimstad stick out in my mind as very special moments. Indeed, Norway organised a memorable World Championship, worthy of our Centenary year. And with regard to our Centenary, I felt a moment of pride for our sport when other federations at the GAISF Congress congratulated us with the comment that their own centenary was still some years away.

Another magical moment for me was watching the ski-orienteers coming unerringly out of thick mist to the media control at the International Ski-O Events in Sugadaira, Japan. Knowing that various events of the Winter Olympics had to be postponed or cancelled because of similar weather, one comes to realise that our sport has unique selling points to exploit.

At the 1994 Congress we had just appointed a new Secretary General. Two years later I am pleased to report the fine work done by the Helsinki office, led by Barbro Ronnberg. I should also like to thank Finland for its continuous constructive support for our Secretariat.

During this Congress period we have been invigorated by the introduction of a dynamic new logo, whose clean lines and simplicity reflect the single-mindedness with which we must approach our work.

In closing I wish to give tribute to IOF's Committees and Council. With a paid staff of only 2 people, unpaid volunteers are vital to achievement of our objectives. The time and enthusiasm of Committee members is invaluable to the IOF. That every Council member has attended every Council meeting in the past 2 years (sometimes overcoming obstacles of finance, family obligations or sickness to do so) is a comment on the commitment of your Council.

Sue Harvey
Doune, 8 May 1998

Council's Report

New model for forward planning

At the 1996 IOF General Assembly, the decision to replace the long-term plan "The IOF towards the Year 2000" with a more process-oriented planning model was taken. The main reason for this was the rapid development in a number of areas, such as the increase of members, the level of activity, and the development and establishment of new orienteering disciplines. Rapid development has brought a change of focus and new priorities, as well as made new demands on the way the IOF is organised and managed.

The 1996 General Assembly confirmed that IOF should take responsibility for all forms of orienteering, and that disciplines actively supported and administered by the IOF are foot, ski, trail and mountain bike orienteering.

In order to better reflect this situation, the structure of the IOF was changed. Four discipline committees were established to form the basic cornerstones of the organisation, and three cross-discipline committees (for map, events standards and technology development) were formed to support the discipline committees. Together with the Council and the Secretariat, these seven committees today form the basic structure of the IOF.

New roles and responsibilities

Compared with past practice, the new structure represents a rather radical change in the way of working, particularly with regard to roles and responsibilities. To speed up the work process itself, the Committees have been given extended responsibility for decision-making. The Committees have been authorised to take decisions on practical and technical matters, whilst Council has directed focusses on the development of policies and strategies, overall promotion of the sport, external relations, finance and resource allocation, management and follow-up of the work.

The Discipline Committees have taken on overall responsibility for both the administration and the development of the discipline within the framework of policies and guidelines provided by Council. Activities common to all disciplines have, however, been handled by the cross-discipline committees.

The new structure provides a clearer division of responsibilities than the former one. It does, however, also require closer co-operation between the groups and more frequent exchange of information. In order to facilitate this, Committee chairpersons have been invited to attend some of the Council meetings and for each Committee a Council member has been appointed to serve as a permanent liaison between Council and the Committee.

Change of Secretary General and new IOF Secretariat

Lennart Levin, SWE, served as Secretary General from the beginning of the Congress period until his retirement on 31 August, 1996. Barbro Rönnerberg, FIN, was appointed new Secretary General and she started work on 1 September, 1996.

The two part-time employees Berit Pehrson and Karin Tibbelin continued their work at the IOF Secretariat at Sollentuna until the end of 1996.

In conjunction with the change of Secretary General, various options for a new location of the IOF Secretariat were investigated. After careful consideration, Council decided that the Secretariat be located at the Headquarters of the Finnish Sports Confederation in Helsinki from the beginning of 1997.

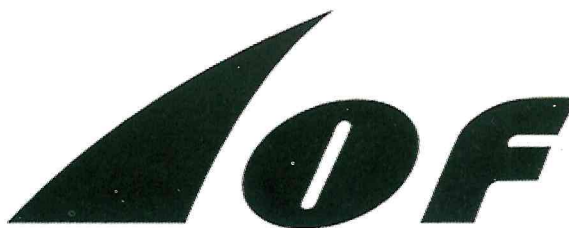
The official opening of the new office took place on 17th January 1997. A number of prominent guests took the opportunity to visit the office and wish the IOF Headquarters welcome to Finland.

During the Congress period, the process of getting the IOF registered in Finland as a legal body was started. (Initially the IOF was registered as an employer but not as a legal body). The registration is in line with the recommendations of the GAISF (General Association of International Sports Federations) and it provides a formal legal status for the IOF and the people involved. To finalise the registration process, certain Statutes changes must be ratified by the General Assembly.

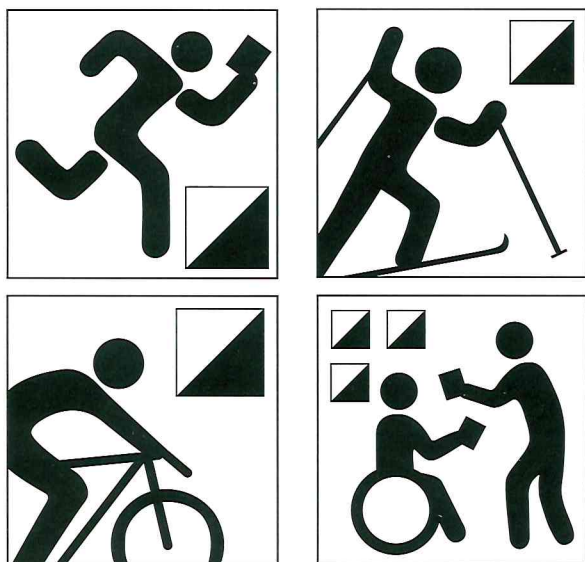
Throughout 1997, the Secretary General was the only permanent employee at the Secretariat. Additional services were hired from the Finnish Sports Confederation's Service Unit or externally.

The positive experiences of the new set-up gained during this first year enabled Council to reallocate money within the 1998 budget from administration to other activities, in particular, development.

To enhance this work, Council decided to appoint a full-time Development Assistant. Sigita Stasiulis, LTU, started work on 1 January 1998. His work is focussed on geographical spread, and on increasing and



IOF's new logo, designed by the Swedish graphic designer Anna Jonback, indicates positive progress and belief in the future.



strengthening IOF membership.

Launch of new IOF logo

In conjunction with the move of the IOF Secretariat, a new IOF logo was launched. The new symbol, designed by the Swedish graphic designer Anna Jonback, indicates positive progress and belief in the future. The control marker is common to all orienteering disciplines and was thus chosen as the main element of the logo. The colours - red and green - symbolise the red control marker and our green sports stadium, the forest.

New pictograms for the four disciplines were launched.

Progress towards the Olympics

The 1996 Congress passed a resolution charging the Council to work towards getting each of the disciplines into the relevant Olympic Games. A small working group headed by the IOF President was established to lead the work. This group worked out a strategy paper "Development towards the Olympics", which was endorsed by Council in April 1997.

The main theme of the 5th Presidents' Conference, held in conjunction with the 1997 World Championships was "Development towards the Olympics". The conference took place in Arendal, NOR, on 13 August. 66 people representing 29 member federations attended the conference and took the opportunity to express their opinions on the implementation of the Congress decision. There was considerable agreement that developing the sport and getting into the programme of the Olympics are complementary.

The second session of the Presidents' Conference was designed to start work on one of the development

aspects discussed under the first session: Raising orienteering's profile. This part of the conference was run in the form of a seminar led by Christel Pernet, Public Relations Advisor to the French Orienteering Federation.

Following the discussion at the Presidents' Conference, Council decided to strengthen the Olympic project by forming a new Olympic Project Steering Group including representatives of both IOF member federations and the athletes. Senior Vice President Åke Jacobson was asked to lead the group. The group has directed its efforts towards general development of the sport and on the task of achieving the numbers required in order to become eligible for the programme of the Olympic Summer Games. The work on developing new competition formats has mainly been a task of the respective discipline committees.

New means of communication – IOF Internet web site

In July 1996, the IOF Internet web site was introduced. The site was developed and maintained by the members of the former IOF High-tech group in co-operation with the IOF Secretariat. Since its introduction, the number of visitors has shown continuous growth. In early 1998, the web site was revised in order to give better service to visitors. According to recent information (March 1998), the number of visitors - successful requests - during one week was 31,375.

In early 1997, the developer of the IOF electronic calendar, Hans Steinegger, SUI, withdrew as the editor and in June 1997 Juha Lehtola, FIN, stepped in as new editor. In order to answer the needs of orienteers, the calendar is now updated twice a month if new information has been received.

In future, the IOF web site will play an important role as a fast means of communication and a complement to circular letters, newsletters, and other publications.

New role for Orienteering World

The efforts to raise the number of Orienteering World subscribers to 2,500 have not been successful, the circulation still being just under 1,200 copies per issue as in the past. Council has come to the conclusion that the target of raising the number of subscribers is unrealistic. This is partly due to considerable growth in the number of people having access to information on the web site, and partly to the fact that Orienteering World is not able to - and should not - compete with national orienteering magazines in the task of covering events and providing results service.

At its meeting in April 1998, Council therefore decided that, from the beginning of 1999, Orienteering World be changed into a PR magazine to be used as a tool for communication between the IOF and external

target groups. In future, Orienteering World will thus serve as a vehicle for delivering the message of orienteering to these groups. Subscriptions to Orienteering World will still be available for those individuals interested in receiving the magazine.

Throughout the Congress period, Orienteering World has been edited and produced by Clive Allen, under contract to the IOF. A standard 24-page issue has been published 6 times per year. From the beginning of the Congress period until April 1998, the magazine has been printed and dispatched in England. From the 1998/3 issue onwards, the printing and dispatch has been done in Finland. The reason for the change was the significant increase of costs due to the extremely unfavourable exchange rate between the Finnish Mark and the British Pound.

New Editors for Scientific Journal

The Scientific Journal of Orienteering aims to give an international and interdisciplinary review of current research in orienteering. It covers various aspects of the sport, medical, physiological, psychological, sociological, etc. and is directed at trainers, coaches, athletes and scientists.

The two scheduled issues for 1996 were published according to plan. Due to difficulties in acquiring relevant research material, the 1997 double issue was delayed and circulated in April 1998.

Editor of the publication during the period 1996–1997, as in all previous years since its inception in 1985, was Dr. Roland Seiler, SUI, assisted by an editorial board consisting of Toni Held, SUI, James Martland, GBR, and Torgny Ottosson, SWE. At the beginning of 1998, Dr. Seiler withdrew as Editor, and the task was taken on jointly by Toni Held and Torgny Ottosson.

Other forms of communication

The newsletter IOF Headlines, introduced in 1994, has been published only a few times during the Congress period. A post-Congress issue, summarizing the discussions and the decisions taken at Congress, was published in August 1996. In February 1997, an issue

describing the new IOF Structure was circulated, and in February 1998, an issue devoted to the theme "Development towards the Olympics" appeared, with a further issue scheduled for May 1998. The contents of the newsletter have also been published on the IOF Internet home page.

Four issues of the IOF Headlines will be published during 1998, and, in future, it will be issued on a regular basis, the number of scheduled issues per year being six.

In 1997, a small leaflet giving information on the IOF and on orienteering was published. The leaflet is directed at external target groups and can be used by both the IOF and by the national federations in addition to their own public relations material.

During the Congress period, press releases have been distributed to the national orienteering magazines, the GAISF magazine SportVision, IOC and World Games publications as well as to international news agencies and newspapers.

100 years of orienteering

The first public orienteering event was held in Norway in 1897. Council therefore decided to announce the celebrations of the Centenary of Orienteering. The celebrations started at the 1997 World Championships in Norway and last for a whole year, ending at the 1998 World Cup Final in Finland in October.

All the major IOF events held during this period have been given the status of "Official Orienteering Centenary Events" and have been authorized to use the centenary logo in all publications and other material related to the event. All national orienteering federations have been encouraged to celebrate the centenary at a national level.

As part of the centenary celebrations, the IOF hosted a small reception at the 1997 GAISF Congress. The event proved very successful and was attended by a number of influential guests, including IOC members, and representatives of the IOC, ARISF and IWGA.

Number of IOF members now 50

As of 19 April 1998 the IOF has 50 member federations. Since the publication of the previous Biennial report, two new federations have been granted associate membership, namely Argentina and Chile. India and Moldova have been admitted by Council as provisional associate members; their membership will be proposed for confirmation at the 1998 General Assembly.

Requests concerning membership have been received from a considerable number of countries, China Taipei, Georgia, Greece, Kenya, Thailand, and The Philippines, to mention only a few of them. No formal applications have, however, been received by 19 April 1998.

In an effort to get new members, an increased number of people is now actively involved in giving



IOF celebrates the Centenary of Orienteering.

assistance to potential member countries and helping them through the membership application procedure.

To facilitate affiliation, Council decided to lower the membership fee for associate members from FIM 1,000 to FIM 200 and, additionally, agreed that the year of application shall be free of charge.

Relations with external sports bodies

The IOF is a member of GAISF (General Assembly of International Sports Federations), ARISF (Association of Recognized International Sports Federations), IWGA (International World Games Association), WMGA (World Masters Games Association) and a recognised federation of the IOC (International Olympic Committee). The IOF President Sue Harvey is a member of the IMGA Board of Governors.

During the Congress period, the IOF has participated in meetings and seminars organised by these external sports bodies and the IOF President and the Secretary General have met with representatives of the IOC.

In November 1997, the presidents of the recognised international sports federations were invited to a formal meeting with the IOC President, Mr. Samaranch. For the first time, the ARISF members have been invited to attend the annual meeting of the ASOIF (Association of Olympic Summer Sports Federations) as observers. The IOF President attended the meeting held in Sydney, Australia, in April 1998.

Due to a radical change in the role of the World Games, Council decided to seek inclusion of foot-orienteeing in the 2001 World Games to be held in

Akita, Japan.

As one of the core sports, orienteeing has been included in the programme of the World Masters Games from the very beginning. The number of orienteers participating in the WMG has been relatively low, though, partly because of the yearly IOF World Masters Orienteering Championships (former Veteran World Cup).

In order to raise orienteeing's profile as part of this big international multi-sport event, Council took the decision that the WMOC be incorporated with the World Masters Games every fourth year, providing that the organiser is suitable and that the relevant national orienteeing federation is willing and capable of organising the event.

In 1995, the IOF submitted to the IOC an application for inclusion of ski-orienteering in the programme of the 2002 Winter Olympic Games to be organised in Salt Lake City, USA. The IOC wants to assess the impact of additional athletes on the Games before taking the decision on the final programme of the 2002 Games. The decision on the possible inclusion of ski-orienteering will most likely be taken at the IOC Session to be held in June 1999.

In January 1998, an international ski-orienteering event was included in the official cultural programme of the Winter Olympic Games in Nagano, Japan. The event took place in Sugadaira one week prior to the Winter Olympics. The best athletes in the world were invited to participate in the event, which was excellently organised and also proved valuable by providing an opportunity to draw the IOC's attention to the sport.

Activities of IOF Committees

Foot-Orienteeing Committee

The Foot-O Committee has met four times since its formation at the beginning of 1997. Its first task was to develop its terms of reference and, after an initial settling in period, these now include

Development of orienteeing on foot, including all types of competition from Park-O to Mountain-O. In particular, a sub group of the committee is liaising closely with the Olympic Project Group with the specific goal of developing the format of "the Olympic event".

Responsibility for the IOF event programme: here the main activities have been developing the structure and scoring system of the 1998 World Cup programme and establishing the provisional structure of WC2000 also.

Apart from general monitoring of WOC, JWOC and WMOC, the other major work under this heading has been the establishment of the new IOF World Ranking scheme. This has involved the development from scratch of a sophisticated rankings formula requiring the establishment of an IOF competitor identification system as well as an IOF file format. N3sport of Norway were awarded the contract to run the ranking scheme and an initial rankings list is now available on their Web site.

Promotion: one of our main tasks is to promote (foot) orienteeing in countries not federated to the IOF (and also in those which are federated but where experience is limited). So far, work has been done in the Balkans, the former Soviet Republics, Greece and Moldavia and many useful contacts have been established in these countries.

Information: summaries of FOC meetings are now available on the IOF Web site. The committee is actively promoting the IOF events programme with the media - in particular, the committee has produced an attractive brochure giving full details of all the 1998 World Cup events as well as JWOC98, WMOC98, all the 1998 World Ranking Events as well as key future events.

In 1997 Council agreed that marathon orienteeing (long distance orienteeing, rogaining etc) is an established form of orienteeing and that international activities in this field are part of the responsibilities of the IOF. An international marathon orienteeing event programme will be set up in the near future.

Mountain Bike Orienteering Committee

At the 1996 General Assembly in Jerusalem, mountain bike orienteeing was adopted as an official IOF discipline. The MB-O steering group was formed in 1997. Its main task were to:

- Devise specific map symbols: these have been sent

on to the map committee.

- Develop an international competition calendar: competitions have been planned for the years leading up to 2002 when the group feels that the first World Championships should take place. Council has accepted this proposal and will put it before the 1998 General Assembly.
- Ongoing and future tasks:
- Work out specific competition rules
- Define the international and "Olympic" competition formats (distances, etc.)
- Produce documents (rules, guidelines and promotional material)
- Follow up the international development of the sport and answer requests for information.

MB-O practice world-wide has considerably evolved during the past 2 years. A 1996 enquiry showed that activity existed in 12 countries with 5 of these holding national championships. The 1998 picture shows activity in 18 countries with 12 national championships. 27 countries expect some development in the coming years and 11 of these feel that this development will be strong. At least 20 countries have declared their intention to take part in a prospective 2002 World Championship.

Ski-Orienteeing Committee

The main activities of the Ski-Orienteeing Committee were concentrated on questions around the Olympics.

During the period 1996-1998 main events were World Championships in Lillehammer 1996 and in Windischgarsten in 1998, World Cup 1997 and Junior World Championships in Poprad Tatry 1996 and in Velogoush in 1998, plus the international events in Sugadaira just before Nagano Olympic Games (see above) for which participation was sponsored by the organiser.

World Cup 1997 was organised by Sweden, Austria, Czech Republic and Russia. The final of the series was organised in Siberia. This was the first IOF main event in Ski-Orienteeing held outside Europe in Krasnoyarsk, the organiser of Ski-O World Championships in 2000.

World Championships 1998 were organised by Austria in Windischgarsten. A new record for participating countries - 28 - was achieved. The organiser had some problems with lack of snow just before the event, but the Championships were carried out with some changes to the competition programme.

Junior World Championships 1998 were successfully organised by Russia in Velogoush.

The main focus has been the goal to get Ski-Orienteeing included in Olympic Winter Games Programme in 2002 in Salt Lake City. The Olympic question is seen as a very important task and therefore the Ski-Orienteeing Committee paid much attention to

developing the discipline and its events. One of the most important decisions was that the World Cup will be organised every year from 2000. This will give the possibility of getting more attention in the media. World Cup events can be combined with regional events, such as the North American Cup, Alpen Cup and Nordic Open Championships. World Championships events are also counted in the World Cup series.

The Ski-Orienteering Discipline has had a Development Programme since 1994 to support the Olympic Project. The Ski-Orienteering Committee has supported formal and informal clinics, training camps and Ski-O promotion on four continents. IOF instructors visited Japan, Australia, New Zealand, USA and Poland. During the last two years the committee has had success in getting new countries. In particular, Japan and Australia have started very strong programmes to develop ski-orienteering outside Europe.

Junior World Championships will be organised every year from 1998 and World Masters Ski-Orienteering Championships will be organised for the first time in 1999 and then annually.

Ski-Orienteering Committee has carried out harmonising of the rules. New rules will be valid already during the season 1999.

A new medium distance will be developed in Ski-Orienteering for a number of reasons. The most important is the need for a shorter event than the old long distance but long enough to use the one-man-relay format. The medium distance is being tested with a view to use in the Olympic games and also in World Series. The short distance and the medium distance are alternatives in World Championships depending mostly on local terrain conditions. The medium distance will be included in the new rules.

Trail Orienteering Committee

The Trail O Committee has worked throughout the period towards achieving the criteria for acceptance as a participatory sport in the Paralympics.

The international rules have been published on the Internet and a hard copy made available to all Federations.

Sue Harvey and Anne Braggins attended the Paralympic Congress in Atlanta in August 1996, presenting a paper and holding a practical demonstration with local assistance.

The Trail O video was shown at the associated film festival. Since then 90 copies have been sold worldwide.

Clinics and demonstration events continue to be successful and the wider appeal of the discipline is now recognised.

The United States Orienteering Federation has formed an active committee and the demonstration in Minnesota during the Veteran World Cup stimulated interest in Japan.

Sixty six competitors representing 10 nations were in Grimstad for the Trail O events associated with

WOC97.

The Map Committee is working on guidelines for Trail O maps.

Event Standards Committee

Since it came into being at the start of 1997, the ESC has met on four occasions and kept in regular contact by email. A major achievement has been the revision of the Competition Rules for IOF Foot Orienteering Events, with the revised rules taking effect from 1 January 1998. These rules will be used as the basis for harmonising competition rules across the four orienteering disciplines. The ESC acts on behalf of Council in considering requests for rule deviations and in that capacity participated in the development of the Special Rules for the 1998 World Cup and approved the use of the SportIdent electronic punching system on a trial basis in IOF events in 1998.

Licensing and education clinics for Foot O controllers have been held throughout the two year period and throughout the world. In the USA, New Zealand, Japan, Slovakia, Finland, Austria and Yugoslavia. The number of licensed Foot O controllers passed 100 at the end of 1998. A set of controlling norms has been established to guide the controlling of the major IOF events and considerable time has been devoted to the ongoing business of appointing and monitoring controllers.

Map Committee

The Map Committee is responsible for all matters related to maps for all orienteering disciplines. The tasks include standardisation, development, education and communication. It is the deciding body in matters related to deviations from the IOF Competition Rules on matters concerning maps.

The main task has been the ISOM2000 Project. The goal of this project is to present a revised International Standard for Orienteering Maps valid as of January 2000. The project is handled by a Map Committee Project Team, assisted by a group of internationally respected map experts involving members from three continents. The final standard will be harmonised, i.e. will for the first time include all the orienteering disciplines.

Further, a guideline for Park and Town Maps is being developed and will be presented during 1998. In conjunction with the revision of the IOF Competition Rules (1998) the MC has presented a document concerning its policies for handling the Foot-O map scale issue. The document states the clear intention to keep the profile of classic orienteering on the 1:15 000 scale, being very restrictive to accept deviations. For the short distance, 1:15 000 as well as 1:10 000 are accepted.

The map scale has caused some confusion and debate over the years. By declaring its firm policy, the MC hopes to bring clarity to the matter.

The modernising of the Instructors Kit was finalised

during 1998. The material is available on CD-ROM for use by instructors giving clinics in new as well as experienced orienteering countries. During the period a clinic has been arranged in Portugal 1997 with 15 participants from Portugal and Spain.

The 7th ICOM (International Congress for Orienteering Mapping) was traditionally held in conjunction with the World Orienteering Championships in Grimstad, Norway, in August 1997. The conference was the largest ever, with delegates from 15 countries. The two-day programme included project management, technical development, field excercises, the elite runners' view and a discussion about the ISOM2000 suggestions.

The IOF MC Official Information Center has been moved during the period to Budapest, Hungary. The Internet technique has proven extremely useful not only as a means for making information available externally, but also as an internal bulletin board to be used by the members of the different Project Teams. This makes it possible to spread participation in the MC projects to all parts of the world, all in the spirit of involving as many nations as possible in the IOF work.

Technology Development Committee

Information Technology is the core of the Technology Development Committee area of responsibility. Therefore, not surprisingly, the exponential evolution of electronic communication on the internet and related technologies have been major focus areas for the committee. The TDC is involved in building an IOF presence on the internet by developing the IOF home

page.

A very important use of technology to make orienteering more exciting for spectators is Real-time Position Monitoring. This is a technology that allows spectators to follow competitors' progress on the course in real-time. There are numerous uses for this technology, not least television and web casting.

So far the technology has been tested only experimentally. However, there are projects under way to develop large scale products. The TDC follow these projects closely.

With more electronic punching systems on the market it becomes increasingly important to ensure that such systems are reliable enough for use in important events. TDC closely follows the progress of the various systems and work with the Events Standards Committee in evaluating and approving the systems for use in IOF events.

The IOF Electronic Calendar is a very popular service for orienteers worldwide. Intended as a tool for orienteers who travel to foreign countries, the calendar seeks to gain a wide coverage of events. The latest addition is a new search engine that gives even easier access to the information.

The IOF has as one of its policies to make it less complicated to organise orienteering events. The TDC believe it can contribute to this in various ways. The TDC operates at the IOF home page an "Information centre" for use of technology in orienteering. This comprises an extensive list of technical articles as well as a list of available software. At the longer term level, the TDC work with equipment and software developers in order to define open standard interfaces so that disparate systems can be connected and work together.

Income and Expenditure Account 1996

	BUDGET 1996 (SEK)	ACTUAL 1.1.-31.12.1996 (SEK)
INCOME		
MEMBERSHIP FEES	934.000	939.040
EVENT FEES	280.000	302.610
WORLD CUP '96 SPONSORS	235.000	240,00
CONTRIBUTIONS, IOC	75.000	66.400
COMMERCIAL PARTNERS	220.000	220.000
PUBLICATIONS	13.000	14.600
SALES	25.000	16.262
FINANCIAL	30.000	36.878
OTHER INCOME		9.230
	1.812.500	1.845.020
EXPENDITURE		
SECRETARIAT		
SALARIES & SOCIAL SECURITY	719.000	730.870
OTHER EXPENSES	8.000	82.249
RUNNING COSTS	300.000	297.023
SECRETARIAT TOTAL	1.100.000	1.110.142
MEMBERSHIP FEES	43.000	21.431
CONGRESS REPORT PRINTING	25.000	24.559
COUNCIL EXPENCES	30.000	21.847
COMMITTEES	240.000	194.622
COUNCIL PROJECTS	95.000	8.778
EVENT CONTROL FUND	75.000	84.707
JUNIOR WOC		305
SKI-O WOC		20.553
WORLD CUP		64
PUBLICATIONS	47.500	36.060
COMMERCIAL PARTNERS	80.000	95.089
FINANCIAL, EXCHANGE LOSSES		2.594
DEBTS WRITTEN OFF		320
OTHER COSTS	12.000	122.764
	1.747.500	1.743.835
BUDGETED SURPLUS/RESULT 1996	65.000	101.185
	1.812.500	1.845.020

Balance sheet 1996 (1995)

	1996 (SEK)	1995 (SEK)
ASSETS		
CASH	0	2.057
POSTAL GIRO	218.043	741
BANK ACCOUNTS		
SWEDISH BANK	263.294	372.885
GERMAN BANK (DEM 140)	615	2.052
SWISS BANK (CHF 2, 545)	12.933	18.404
DEBTORS		
MEMBERSHIP FEES	3.000	3.150
PREPAID COSTS	23.364	3.351
ACCRUED INCOME	836	127.371
OTHER RECEIVABLES	5.242	2.790
TOTAL	527.327	532.801
LIABILITIES		
TRADE CREDITORS	55.160	76.867
ACCRUED EXPENCES	5.298	10.828
PREPAID INCOME	30.898	56.006
PRELIMINARY TAX, STAFF	0	14.547
SOCIAL SECURITY, STAFF	0	13.439
ORIENTEERING WORLD	25.817	36.308
OTHER CURRENT LIABILITIES	891	3.916
SKI-O OLYMPIC PROJECT	0	10.790
DEPOSITS	0	2.022
SUB-TOTAL	118.064	224.723
SOURCE OF FUNDS		
RESERVE	350.000	350.000
ACCUMULATED RESULTS	- 41.922	45.221
RESULT FOR PERIOD	101.185	- 87.143
SUB-TOTAL	409.263	308.078
TOTAL	527.327	532.801

Auditor's Report 1996

To the members of the International Orienteering Federation

I have examined the year end report, the accounting records and the administration by the Council and the Secretary General for the period from 1 January 1996 to 31 December 1996. The examination was carried out in accordance with generally accepted auditing standards.

I hereby certify that the foregoing Balance Sheet and Income and Expenditure Account for the International Orienteering Federation are in accordance with the books, documentation and information supplied to me.

I recommend that the Income Statement and the Balance Sheet for 1996 be adopted, and that the Members of Council and the Secretary General be discharged from liability for transactions during the period.

20 March 1997

Lars Erik Engberg
Authorized Public Accountant

Income and Expenditure Account 1997 (1996)

	1.1.-31.12.1997 (FIM)	1.1.-31.12.1996 (FIM)
REGULAR ACTIVITIES		
INCOME		
PARTICIPATION FEES	1.739,90	0,00
OTHER INCOME	26.914,38	27.054,14
INCOME TOTAL	28.654,28	27.054,14
EXPENDITURE		
STAFF COSTS		
SALARIES AND FEES	284.678,86-	370.141,30-
INDIRECT STAFF COSTS	69.966,63-	123.049,98-
STAFF COSTS TOTAL	354.645,49-	493.191,28-
RENTS AND LEASING	32.824,69-	125.467,59-
OTHER EXPENDITURE		
EXTERNAL SERVICES	112.109,71-	0,00-
TRAVEL & ACCOMMODATION EXP	348.394,74-	178.986,08-
MATERIAL COSTS	130.644,41-	38.350,76-
OTHER OPERATING CHARGES	159.470,67-	274.611,75-
OTHER EXPENDITURE TOTAL	750.619,53-	491.948,59-
EXPENDITURE TOTAL	1.138.089,71-	1.110.607,46-
SUB-TOTAL	1.109.435,43-	1.083.553,32-
FUNDING		
INCOME		
MEMBERSHIP FEES	549.500,00	633.664,27
SPONSOR AGREEMENTS	301.500,00	148.456,00
OTHER INCOME	223.679,28	366.153,22
INCOME TOTAL	1.074.679,28	1.148.273,49
EXPENDITURE		
OTHER FUNDING EXPENDITURE	50.549,96-	64.166,45-
EXPENDITURE TOTAL	50.549,96-	64.166,45-
FUNDING TOTAL	1.024.129,32	1.084.107,04
SUB-TOTAL	85.306,11-	553,72
FINANCING YIELDS & COSTS		
INCOME	1.067,17	24.885,40
EXPENDITURE	3.464,97-	1.966,29-
FINANCING YIELDS & COSTS TOTAL	2.397,80-	22.919,11
SUB-TOTAL	87.703,91-	23.472,83
GENERAL GRANTS		
GOVERNMENT GRANTS	300.000,00	0,00
OTHER GENERAL GRANTS	52.231,00	44.806,72
GENERAL GRANTS TOTAL	352.231,00	44.806,72
SUB-TOTAL	264.527,09	68.279,55
DEPRECIATION	17.517,65-	0,00-
RESULT OF THE FINANCIAL PERIOD	247.009,44	68.279,55
DECREASE IN RESERVES	236.180,00	0,00
SURPLUS OF THE FINANCIAL PERIOD	483.189,44	68.279,55

Balance sheet 1997 (1996)

	31.12.1997 (FIM)	31.12.1996 (FIM)
ASSETS		
FIXED ASSETS AND OTHER NON-CURRENT INVESTMENTS		
INTANGIBLE ASSETS		
OTHER CAPITALIZED EXPENDITURE	3.086,40	0,00
TANGIBLE ASSETS		
MACHINERY AND EQUIPMENT	33.491,30	0,00
RECEIVABLES		
TRADE RECEIVABLES	134.295,50	0,00
PREPAID EXPENSES, ACCRUED INCOME	17.248,98	21.891,53
RECEIVABLES TOTAL	151.544,48	21.891,53
CASH IN HAND AND AT BANKS	519.241,10	333.949,03
ASSETS TOTAL	707.363,28	355.840,56
LIABILITIES		
CAPITAL AND RESERVES		
ACCUMULATED RESULTS	39.990,92-	28.288,63
SURPLUS OF THE FINANCIAL PERIOD	483.189,44-	68.279,55-
	523.180,36-	39.990,92-
RESERVES	0,00-	236.180,00-
CREDITORS		
CURRENT		
ADVANCES RECEIVED	21.164,47-	20.849,71-
TRADE PAYABLES	16.848,75-	37.221,79-
ACCRUED LIABILITIES	146.169,70-	21.598,14-
	184.182,92-	79.669,64-
LIABILITIES TOTAL	707.363,28-	355.840,56-

Notes to the Accounts 1997 (1996)

	1997 (FIM)	1996 (FIM)
INCOME, TOTAL	1.692.811,73	1.245.019,75
EXPENDITURE, TOTAL	- 1.209.622,29	- 1.176.740,20
SURPLUS	483.189,44	68.279,55
STAFF COSTS		
SALARIES	284.678,86	370.141,30
PENSION INSURANCE	39.038,11	11.701,23
OTHER INDIRECT STAFF COSTS	30.928,52	111.348,75
	354.645,49	493.191,28
MACHINERY AND EQUIPMENT		
BOOK VALUE 1.1.	0,00	0,00
INCREASE	50.236,95	0,00
SUB-TOTAL BEFORE DEPRECIATIONS	50.236,95	0,00
DEPRECIATION	- 16.745,65	0,00
BOOK VALUE 31.12.	33.491,30	0,00
OTHER CAPITALIZED EXPENDITURE		
BOOK VALUE 1.1.	0,00	0,00
INCREASE	3.858,40	0,00
DEPRECIATION	- 772,00	0,00
BOOK VALUE 31.12.	3.086,40	0,00

Principles for depreciation on fixed assets:

- Other capitalized expenditure: 5 years: 20 %/year
- Machinery and equipment: appendix: depreciation plan

Auditor's Report 1997

To the Members of the International Orienteering Federation

We have audited the accounts, the accounting records and the administration of the International Orienteering Federation for the 1997 financial year. The accounts prepared by the Board of Directors include an income statement, a balance sheet and notes to the accounts. Based on our audit we express an opinion on these accounts and the administration.

We have audited, in accordance with Finnish auditing standards, the accounting records and the accounts, the disclosures and the presentation of information, including the accounting policies in the accounts. The purpose of this audit is to obtain assurance about whether the accounts are free from material misstatements. The audit of the administration has included obtaining assurance that the actions of the Board of Directors and the Secretary General have been in conformity with the rules of the Association Act.

The federation has filed for registration in the Finnish National Board of Patents and Registration.

In our opinion the accounts, which show a surplus of FIM 483.189,44, have been prepared in accordance with the regulations of the Finnish Accounting Act and other rules and regulations governing the preparation of financial statements. The financial statements give a true and fair view of the federation's result from operations and financial position in accordance with such legislation. The accounts may be approved, and the members of the Board of Directors and the Secretary General may be discharged from liability for the financial year audited by us.

Helsinki, 29 April 1998

Seppo Tervo
APA

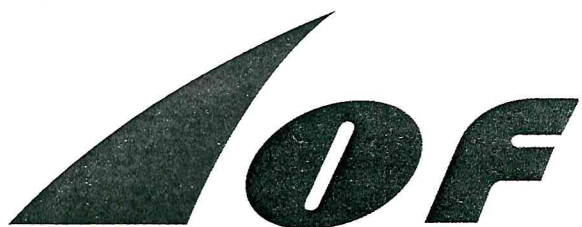
Isilda Santos



OFFICIAL COMPASS SPONSOR



OFFICIAL CARRIER

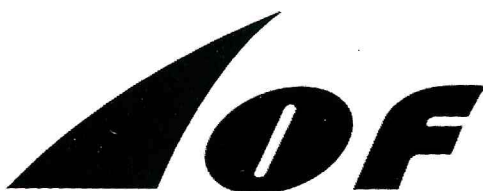


INTERNATIONAL ORIENTEERING FEDERATION

Biennial Report 1996-1998

APPENDIX





International Orienteering Federation
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Secretary General: Barbro Rönnerberg
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E-mail: iof@orienteering.org
www-page: <http://www.orienteering.org>

Cover photo: Pirjo Valjanen
Petter Thoresen, NOR, World Champion 1997

BIENNIAL REPORT 1996 - 1998

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IOF Structure:

IOF Council

Sue Harvey, President (GBR), Åke Jacobson, Senior Vice President (SWE), Hugh Cameron, Vice President (AUS), Edmond Széchényi, Vice President (FRA), Thomas Brogli, Member (SUI), Higino Esteves, Member (POR), Rimantas Mikaitis, Member (LTU), Flemming Nørgaard, Member (DEN) and Bruce Wolfe, Member (USA).

President's Working Group

Sue Harvey, President (GBR), Åke Jacobson, Senior Vice President (SWE), Hugh Cameron, Vice President (AUS) and Edmond Széchényi, Vice President (FRA).

Discipline Committees:

Foot Orienteering Committee

Geir Tveit, Chairperson (NOR), Andras Hegedus (HUN), David May (GBR), Iordanka Melnikliyska (BUL), Torgny Ottosson (SWE) and Marcel Schiess (SUI).

Ski Orienteering Committee

Veli-Markku Kortenieniemi, Chairperson (FIN), Lars-Petter Lystad (NOR), Tullio Manzinello (ITA), Juraj

Nemec (SVK), Tord Nilsson (SWE), Igor Stolon (RUS) and Daniel Sägerser (SUI).

Trail Orienteering Committee

Anne Braggins, Chairperson (GBR), Frank Kuhn (USA), Patrick Ng (HKG) and Faith White (IRL).

Mountain Bike Orienteering Committee

Jean-Paul Hosotte, Chairperson (FRA), Colin Palmer (GBR), Jan Semik (CZE) and Michael Wood (NZL).

Cross-Discipline Committees:

Events Standards Committee

Barry McCrae, Chairperson (AUS), Øivind Holt (NOR), Ivan Kuzmin (RUS), Lars-Åke Larsson (SWE) and David Rosen (GBR).

Mapping Committee

Björn Persson, Chairperson (SWE), Andreas Dresen (GER), Søren A. Nielsen (DEN), Christopher Shaw (GBR) and Laszlo Zentai (HUN).

Technology Development Committee

Finn Arildsen, Chairperson (DEN), Marko Häkkinen (FIN), Rolf Heinemann (GER), Bruce McAlister (USA) and Øyvind Stene (NOR).

Working Groups:

The Olympic Project Steering Group

Åke Jacobson, Chairperson (SWE), Lucie Böhm (AUT), Livio Guidolin (ITA), Shin Murakoshi (JPN), Maria Nimvik (SWE), Jörgen Mårtensson (SWE), Juraj Nemec (SVK), Barbro Rönnerberg (FIN), Helge Simonsen (NOR) and Sigitas Stasiulis (LTU).

Lobbying Group for Ski-O

Sue Harvey, IOF President, Chairperson (GBR), Juraj Nemec (SVK), Matti Salmenkylä (FIN), Igor Stolov (RUS) and Barbro Rönnerberg, IOF Secretary General (FIN). Corresponding members: Anne Braggins (GBR) for Trail Orienteering and Bruce Wolfe (USA) for Salt Lake City 2002.

75 Nations Project Group

Birthe Helms (DEN) and Sigitas Stasiulis (LTU).

Event Format Working Group

Marcel Schiess, Chairperson (SUI), Lucie Böhm (AUT), David May (GBR) and Jörgen Mårtensson (SWE)

The Marathon Orienteering Working Group

Edmond Szechenyi, IOF Vice-President, Chairman (FRA), Michel Devrieux (FRA), Dave Lott (AUS), Thomas Prokes (CZE), Mark Seddon (GBR) and Peter Taylor (AUS)

IOF Secretariat

Barbro Rönnerberg, Secretary General (FIN) and Sigitas Stasiulis, Development Assistant (LTU).

General Statistics of IOF Member Federations - 1997

Country	Clubs	Active Orienteers	Int. events	Nat.events	Sq.km. mapped	New maps
AUS	57	4298	0	42	343	62
AUT	64	1200	5	20	55	18
BEL	18	2000	11	18	7	14
BLR	20	700	0	40	200	15
BUL	54	1200	4	74	70	17
CAN*	45	3324				
CHN*	12	1000				
CRO*	11	250				
CZE	210	8300	20	140	400	60
DEN	120	10515	16	105	414	69
ESP	56	1023	8	27	168	18
EST	38	1200	13	61	200	43
FIN	434	50 203	23	276	2400	400
FRA	181	4400	18	420	600	150
GBR	145	10515	9	1126	726	176
GER	255	2500	9	172	200	40
HKG	24	500	0	21	600	10
HUN	131	3800	25	236	200	58
IRL	21	850	1	66		7
ISR	13	800	2	45	30	6
ITA*	177	3091				
JPN	210	500	0	200		50
KAZ*	9	350				
KOR	9	1900	2	5	24	3
LAT	42	1670	10	103	140	16
LTU	25	2000	13	64	150	24
NED	7	324	5	50	10	5
NOR	447	27000	70	210	523	108
NZL	24	1300	6	20	72	24
POL	48	925	17	25	240	76
POR	64	3072	6	36	239	20
ROM	50	600	6	70		14
RSA	7	500	0	50	20	8
RUS*	180	3000				
SLO	9	65	9	6	30	11
SUI	102	7666	10	148	564	74
SVK	34	600	16	10	68	20
SWE	735	56678	100	635	4325	401
UKR	45	720	12	20	111	19
USA	66	1250	31	0	582	116
YUG	34	617	0	16	20	4
TOTAL	4233	214803	477	4557	13731	2156

* Data collected in 1995

Note: Associate members of the IOF (ARG, BRA, CHI, CUB, ECU, IND, MKD and MAS) have not been included in these statistic

General Statistics of IOF Member Federations - 1997

Country	Foot-O	Ski-O	MTB O	Trail-O	Office	Full time/ part time employees	Budget (local currency)	Budget (equivalent in USD)	Environm. policy
AUS	yes	yes	yes	yes	yes	0/3	\$ 190000	114 000	yes
AUT	yes	yes	yes	no	yes	0/1	ATS 1750000	139 331	yes
BEL	yes	yes	yes	yes	yes	2/1	BEF 14000000	379 095	yes
BLR	yes	yes	no	no	yes	0/0	RUB 55 000 000	816	no
BUL	yes	yes	no	no	yes	1/2	BGL 12500000	6 962	yes
CAN*	yes	yes			yes	1/0	(SEK) 238250	30 113	
CHN*	yes	no			yes	2/0	(SEK) 49800	6 303	
CRO*	yes	yes			no		(SEK) 58050	7 348	
CZE	yes	yes	yes	yes	yes	2/0	CZK 7000000	208 880	yes
DEN	yes	no	no	yes	yes	1/1	DDK 3268839	479 590	yes
ESP	yes	no	yes	no	yes	0/1	PTS 12000000	79 098	yes
EST	yes	yes	no	no	yes	1/1	EEK 750000	52 570	no
FIN	yes	yes	yes	yes	yes	6/10	FM 10000000	1 845 018	yes
FRA	yes	yes	yes	no	yes	2/1	FF 3400000	567 281	no
GBR	yes	yes	yes	yes	yes	3/2	GBP 900000	1 506 528	yes
GER	yes	yes	yes	yes	yes	0/1	DEM 35000	19 572	yes
HKG	yes	no	no	no	yes	2/0	\$ 2758900	356 456	no
HUN	yes	yes	yes	no	yes	1/1	HUF 1000000	4 630	yes
IRL	yes	no	no	no	yes	0/1	IEP 27000	38 158	no
ISR	yes	no	yes	no	yes	0/1	NIS 400000	108 816	no
ITA*	yes	yes			yes	2/0	(SEK) 2233400	282 708	
JPN	yes	yes	no	yes	yes	2/0	JPY 35000000	257 163	yes
KAZ*	yes								
KOR	yes	no	no	no	yes	1/3	55000000	39 068	no
LAT	yes	yes	no	no	no		LVL 16955	28 574	no
LTU	yes	yes	yes	yes	yes	2/0	LT 245139	61 284	no
NED	yes	no	no	no	no	0/0	10 000	4 953	no
NOR	yes	yes	no	yes	yes	7/6	NOK 11457000	1 514 214	yes
NZL	yes	yes	yes	yes	yes		\$ 70000	37 518	no
POL	yes	yes			yes	1/4	PLN 535000	154 579	no
POR	yes	no	yes	yes	yes	3/7	PTE 31000000	169 870	no
ROM	yes	yes	yes	no	yes	3/1	LEI 172165000	20 155	no
RSA	yes	no	no	no	no		R 65156	12 634	no
RUS*	yes	yes			yes	13**	(SEK) 950000	120 253	
SLO	yes	no	no	no	yes	1/1	SIT 850000	5 243	no
SUI	yes	yes	no	no	yes	0/1	SFR 750000	501 102	yes
SVK	yes	yes	yes	yes	yes	1/0	SK 1800000	51 188	no
SWE	yes	yes	yes	yes	yes	17/6	SEK 25000000	3 159 877	yes
UKR	yes	yes	no	yes	no	0/1	UAH 17000	8 245	no
USA	yes	yes	no	yes	yes		USD 200000	200 000	no
YUG	yes	no	no	no	no		45 000	4 413	no
TOTAL (no)	0	12	17	18	6				20
TOTAL (yes)	41	28	17	16	34	77/57		12 583 606	15

* Data collected in 1995

** Part- and full-time employees added together; part-time considered as 50%.

Note: Associate members of the IOF (ARG, BRA, CHI, CUB, ECU, IND, MKD and MAS) have not been included in these statistics.

IOF Events in 1996

JWOC in foot-orienteeing: Gavora, Romania (8-14 July)

Short Distance (10 July)

Women 3.79 km

- 1) Eniko Fey (ROM) 26.32,
- 2) Annika Bjork (SWE) 27.56,
- 3) Ioulia Morozova (RUS) 28.22,
- 4) Maria Lubinski (HUN) 28.36,
- 5) Barbara Schulthess (SUI) 28.45,
- 6) Laure Coupât (FRA) 28.48,
- 7) Maria Dahlin (SWE) 28.52,
- 8) Olga Terekhova (RUS) 28.53,
- 9) Simone Luder (SUI) 28.54,
- 10) Hanna Heiskanen (FIN) 28.57,
- 11) Katerina Pracna (CZE) 29.17,
- 12) Tatiana Pereliaeva (RUS) 29.18,
- 13) Ulrika Jonsson (SWE) 29.35,
- 14) Anna Marsell (SWE) 30.07,
- 15) Jo Allison (AUS) 30.18,
- 16) Zsuzsa Fey (ROM) 30.20,
- 17) Susanne Wehrli (SUI) 30.23,
- 18) Merete Bigum (DEN) 30.27,
- 19) Anna Margrethe Hausken (NOR) 30.31,
- 20) Paula Haapakoski (FIN) 31.00,
- 21) Satu Vesalainen (FIN) 31.03,
- 22) Jo Smith (GBR) 31.05,
- 23) Cassie Trewin (AUS) 31.15,
- 24) Allison Jones (AUS) 31.25,
- 25) Martina Rakayova (SVK) 31.50,
- 26) Eva Jurenikova (CZE) 31.53,
- 27) Tatiana Kostyleva (RUS) 31.54,
- 28) Szilvia Kesztyus (HUN) 32.00,
- 29) Ellen Moen (NOR) 32.03,
- 30) Natalia Dasal (POL) 32.07,
- 31) Satu Makitamm (FIN) 32.11,
- 32) Sara Wegmueller (SUI) 32.33,
- 33) Jenny Karlsson (SWE) 32.53,
- 34) Ann Kristin Stokke (NOR) 32.54,
- 35) Christine Ashton (GBR) 32.57,
- 36) Zdenka Stara (CZE) 33.03,
- 37) Mirja Randoja (EST) 33.04,
- 37) Regula Hulliger (SUI) 33.04,
- 39) Renate Fauner (ITA) 33.15,
- 40) Lucia Soare (ROM) 33.25,
- 41) Outi Sareila (FIN) 33.32,
- 42) Emilie Magne (FRA) 33.46,
- 43) Eniko Gall (ROM) 33.54,
- 44) Astrid K Mathiesen (NOR) 34.11,
- 45) Jo Stevenson (GBR) 34.12,
- 46) Eva Sabo (ROM) 34.22,
- 47) Christine Tutzer (ITA) 34.26,
- 48) Luise Karger (GER) 34.29,
- 49) Beate Schlosser (GER) 34.30,
- 50) Michaela Gigon (AUT) 34.32,
- 51) Ewa Kozłowska (POL) 34.36,
- 52) Claire Williams (GBR) 34.46,
- 53) Kinga Patejko (POL) 34.50,
- 54) Katerina Miksova (CZE) 34.51,
- 55) Karin Schmalfeld (GER) 35.11,
- 56) Uli Hartinger (AUT) 35.23,
- 57) Elena Gueraskian (UKR) 35.42,
- 58) Julia Minty (AUS) 36.00,
- 59) Audrey Perbet (FRA) 36.06,
- 60) Elin Bierva (NOR) 36.20,
- 61) Stinne Skammelson (DEN) 36.34,
- 62) Regula Hulliger (SUI) 36.39,
- 63) Aasne Fenne Hoksrud (NOR) 36.46,
- 64) Agnes Szigethy (HUN) 36.48,

- 65) Anne Olesen (DEN) 36.56,
- 66) Jenny Whitehead (GBR) 37.13,
- 67) Maria Baranova (SVK) 37.28,
- 68) Susanne Casanova (AUS) 37.34,
- 69) Galina Galkina (RUS) 37.40,
- 70) Agnese Uzule (LAT) 37.41,
- 71) Helene Hausner (DEN) 37.48,
- 72) Silvia Bertazzo (ITA) 37.58,
- 73) Melissa Edwards (NZL) 38.01,
- 74) Orlina Baltova (BUL) 38.03,
- 74) Laura Scaravonati (ITA) 38.03,
- 76) Ekaterina Rebrova (RUS) 38.12,
- 77) Hana Ryglova (CZE) 38.27,
- 78) Mette Ploug (DEN) 38.39,
- 79) Sabrina Rinaldi (ITA) 38.58,
- 80) Pernille Brunstedt (DEN) 39.27,
- 81) Virag Benedek (HUN) 39.29,
- 82) Jana Mikuskova (SVK) 39.53,
- 83) Malgorzats Stankiewicz (POL) 39.58,
- 84) Denitza Tzoneva (BUL) 40.03,
- 85) Kim Buckley (GBR) 41.07,
- 86) Sonja Muštra (CRO) 41.28,
- 87) Monika Smolinska (POL) 42.37,
- 88) Maria Hoffman (FIN) 42.48,
- 88) Magdalena Danielson (SWE) 42.48,
- 90) Michaela Skoumalova (CZE) 43.04,
- 91) Kirsten Fairfax (AUS) 43.36,
- 92) Idit Gershoni (ISR) 44.16,
- 93) Agnieszka Karnia (POL) 45.05,
- 94) Katalin Hecz (HUN) 45.18,
- 95) Alena Durcova (SVK) 45.27,
- 96) Irina Maioreescu (ROM) 46.23,
- 97) Ivana Goranovic (YUG) 47.11,
- 98) Skile Fogeles (GER) 48.38,
- 99) Christine Mueller (AUT) 49.10,
- 100) Evelina Djarova (BUL) 49.24,
- 101) Michele Moulder (RSA) 52.10,
- 102) Hitomi Takahashi (JAP) 52.33,
- 103) Nagisa Sato (JAP) 53.24,
- 104) Jelena Telisman (CRO) 59.14,
- 105) Chiaki Yasui (JAP) 60.01,
- 106) Sasa Glagolic (CRO) 70.42,
- 107) Maja Arsic (YUG) 70.51,
- 108) Canthia Reece (USA) 83.23,
- 109) Milica Keresevic (YUG) 85.57,
- 110) Kayo Nomura (JAP) 99.28,
- 111) Ana Martins (POR) 104.06,
- 112) Mafalda Almeida (POR) 109.27,
- Disq. Monika Tokaji (HUN)

Men 4.7 km

- 1) Gabor Domonyik (HUN) 29.05,
- 2) Johan Modig (SWE) 29.43,
- 3) Horatiu Grecu (ROM) 30.04,
- 4) Niclas Jonasson (SWE) 30.18,
- 5) Rolf M Pedersen (NOR) 30.30,
- 6) Ingo Horst (GER) 30.44,
- 7) Maricel Olaru (ROM) 30.48,
- 8) Frantisek Libant (SVK) 30.55,
- 9) Giermund Glesnes (NOR) 31.00,
- 10) Richard Bolt (NZL) 31.14,
- 11) Florin Dorobantu (ROM) 31.37,
- 12) Marian Davidik (SVK) 31.40,
- 13) Petteri Laitinen (FIN) 31.44,
- 14) Toni Louhisola (FIN) 32.21,
- 15) Donatus Schnyder (SUI) 32.22,
- 16) Vidar Solberg (NOR) 32.29,
- 17) Adrian Klausner (SUI) 32.24,
- 18) Michael Horacek (CZE) 32.43,
- 19) Jorgen Rostrup (NOR) 32.47,
- 20) Lajos Sarecz (HUN) 32.49,
- 21) Alexandre Chtcherbakov (RUS) 33.03,
- 22) Maxim Stelmah (UKR) 33.15,
- 23) Hans Gunnar Omdal (NOR) 33.20,
- 24) Per Oberg (SWE) 33.21,
- 25) Mads Ingvaldsen (DEN) 33.27,
- 26) Denis Steinemann (SUI) 33.29,
- 27) Enrico Cristellon (ITA) 33.35,
- 28) Robert Heczko (CZE) 33.48,
- 29) Petteri Muukkonen (FIN) 33.59,
- 30) Lukas Kolasinski (POL) 34.00,
- 31) Antony Squire (GBR) 34.12,
- 32) Evgueni Korolev (RUS) 34.19,
- 33) Roman Bespalov (BLR) 34.25,
- 34) Maxim Davidov (RUS) 34.27,
- 34) Evgueni Gavrilov (RUS) 34.27,
- 36) Urs Mueller (SUI) 34.35,
- 37) Michael Sommer (DEN) 34.40,
- 38) Robert Feldmann (SUI) 34.42,
- 39) Michail Andreev (UKR) 34.44,
- 40) Alexandru Serban (ROM) 34.45,
- 41) Fabien Pasquasy (BEL) 34.49,
- 42) Jonne Lakanen (FIN) 34.51,
- 42) Roman Efimov (RUS) 34.51,
- 44) Richard Monvoisin (FRA) 34.52,
- 45) Lars Hommen (GER) 34.57,
- 46) Anders Nordberg (NOR) 35.00,
- 47) Maros Bukovac (SVK) 35.08,
- 48) David Farkas (HUN) 35.11,
- 49) Troy De Haas (AUS) 35.12,
- 50) Jani Lakanen (FIN) 35.13,
- 51) Willi Frauwallner (AUT) 35.40,
- 51) Patrik Martner (SWE) 35.40,
- 53) David Jenkins (GBR) 35.47,
- 54) Jaroslav Ogurcak (SVK) 35.48,
- 55) Brent Edwards (NZL) 35.51,
- 56) Ville Kujala (FIN) 35.52,
- 57) Hubert Klausner (SUI) 36.05,
- 58) Jesper Damgaard (DEN) 36.12,
- 59) Michal Besta (CZE) 36.20,
- 60) Robert Walter (AUS) 36.24,
- 61) Giacomo Seidenari (ITA) 36.26,
- 62) Paolo Mario Grassi (ITA) 36.38,
- 63) Christian Nielsen (DEN) 36.43,
- 64) Igor Patras (SVK) 36.46,
- 65) Tomasz Czaplă (POL) 36.47,
- 66) Lubos Mateju (CZE) 36.49,
- 67) Rikard Claesson (SWE) 36.58,
- 68) Bernard Fink (AUT) 37.03,
- 69) Alexei Borevich (RUS) 37.07,
- 70) Anders Axenborg (SWE) 37.09,
- 71) Lukas Prinda (CZE) 37.21,
- 72) Tom Hart (GBR) 37.29,
- 73) Jan Zazgornik (AUT) 37.32,
- 74) Tobias Breitschaedel (AUT) 37.41,
- 74) Tomasz Makarski (POL) 37.41,
- 76) Paulius Markovas (LIT) 37.45,
- 77) Fred Schmitt (USA) 37.51,
- 78) Tomasz Bartkowiak (POL) 37.57,
- 79) Zoltan Molnar (HUN) 37.59,
- 80) Alexander Volkov (UKR) 38.03,
- 81) Maciej Stachowiak (POL) 38.10,
- 82) Ben Rattraj (AUS) 38.13,
- 83) Ed Nash (GBR) 38.16,
- 84) Martin Schone (GER) 38.32,
- 85) Marius Mazulis (LIT) 38.33,
- 86) Georgy Tcharakchiev (BUL) 38.45,
- 87) Priit Pirk Saar (EST) 38.46,
- 88) Darren Meeking (AUS) 38.56,
- 89) Fraser Mills (NZL) 39.00,
- 90) Eirick Moe (USA) 39.07,
- 91) Jurgen Hartinger (GER) 39.16,
- 92) Pedro Pasion (ESP) 39.32,
- 93) Christophe Bernard (BEL) 39.33,
- 94) Nikolay Yakimechko (UKR) 39.35,
- 95) Reuben Smith (AUS) 39.41,
- 96) Mihai Trif (ROM) 39.48,
- 97) Valdas Tilunas (LIT) 39.51,
- 98) Sigmund Gould (GBR) 39.51,
- 99) Janis Kleins (LAT) 40.05,
- 100) Thierry Gueorgiou (FRA) 40.11,
- 101) Stewart Fishwick (GBR) 40.12,
- 102) Reinis Kalnins (LAT) 40.13,
- 103) Felix Breitschaedel (AUT) 40.17,

104) Jakob David Jensen (DEN) 40.25,
 105) Robert Pona (POL) 40.30,
 106) Christian Hansen (DEN) 40.58,
 107) Mikulas Sabo (SVK) 41.01,
 108) Boyan Marinov (BUL) 41.07,
 109) Tibor Vereszk (HUN) 41.10,
 110) Erik Vliegen (BEL) 41.15,
 111) Vladimir Lucan (CZE) 41.21,
 112) Zach Cohen (ISR) 41.42,
 113) Kalev Metsis (EST) 41.46,
 114) Gatis Dzerve (LAT) 42.24,
 115) Giuseppe Bezzi (ITA) 42.32,
 116) Wim Peers (BEL) 43.13,
 117) Alexey Jilyaev (UKR) 44.13,
 118) Marko Gamberger (CRO) 44.18,
 119) Kiyoshi Kogure (JAP) 44.28,
 120) Martin Terry (RSA) 45.33,
 121) Gautier Seba (BEL) 45.54,
 122) Konstantin Vasilev (BUL) 46.25,
 123) Javier Gomez (ESP) 46.42,
 124) Emanuele Patton (ITA) 46.51,
 125) Damian Dawson (AUS) 46.53,
 126) Daniel Grip (ISR) 47.17,
 127) Geert Den Trooster (BEL) 47.27,
 128) Andrei Pop (ROM) 47.51,
 129) Takayuki Kotajima (JAP) 47.55,
 130) Carlos Pereira (POR) 48.13,
 131) Mark Hudson (NZL) 48.42,
 132) Matiaz Kercmar (SLO) 48.49,
 133) Ken Walker (USA) 49.10,
 134) Hugo Patricio (POR) 49.18,
 135) Francois Gonon (FRA) 49.46,
 136) Danijel Fabijanic (CRO) 50.34,
 137) Peter Legat (GER) 50.39,
 138) Carlos Espino (ESP) 51.33,
 139) Peter Balabanov (BLR) 51.40,
 140) Michal Glowacki (NZL) 51.41,
 141) Javier Martinez (ESP) 52.14,
 142) Antonio Serini (ITA) 52.46,
 143) Shinya Shoda (JAP) 52.54,
 144) Ivan Punek (CRO) 53.15,
 145) Tamir Alon (ISR) 53.55,
 146) Gary De Klerk (RSA) 54.07,
 147) Karl Dravitzki (NZL) 54.42,
 148) Avi Melz (ISR) 54.48,
 149) Juraj Stanic (CRO) 55.40,
 150) Kunihiro Tanou (JAP) 56.28,
 151) Bruno Gonclaves (POR) 57.18,
 152) Kensuke Murakami (JAP) 58.07,
 153) Daniel Lovric (CRO) 59.06,
 153) Nicholas Mulder (RSA) 59.06,
 155) Asaf Gol (ISR) 59.31,
 156) Dragisa Bauer (YUG) 59.56,
 157) Yasuaki Ishii (JAP) 60.30,
 158) Zoran Nikolovski (YUG) 62.35,
 159) Benjamin Roca (ESP) 63.30,
 160) Mark Greeff (RSA) 64.49,
 161) Daniel Silva (POR) 69.24,
 162) Slobodan Veljovic (YUG) 74.22,
 163) Dan Baird (USA) 80.16,
 Disq. Nikola Tot (CRO)
 Disq. Balazs Laki (HUN)

Classic Distance (11 July 1996)

Women 7.1 km

1) Eiko Fey (ROM) 1.06.24,
 2) Katerina Pracna (CZE) 1.08.25,
 3) Karin Schmalfeld (GER) 1.08.25,
 4) Koulia Morozova (RUS) 1.09.27,
 5) Annika Bjork (SWE) 1.09.27,
 6) Regula Hulliger (SUI) 1.10.07,
 7) Audrey Perbet (FRA) 1.10.16,
 8) Barbara Schultess (SUI) 1.12.01,
 9) Simone Luder (SUI) 1.12.01,
 10) Agnieszka Karnia (POL) 1.14.03,

11) Satu Vesalainen (FIN) 1.14.22,
 12) Zsuzsa Fey (ROM) 1.14.38,
 13) Maria Hoffman (FIN) 1.16.07,
 14) Sara Wegmüller (SUI) 1.16.16,
 15) Jo Allison (AUS) 1.17.22,
 16) Ewa Kozłowska (POL) 1.18.03,
 17) Maria Lubinszki (HUN) 1.18.12,
 18) Zdenka Stara (CZE) 1.19.29,
 19) Eniko Gall (ROM) 1.19.35,
 20) Merete Bigum (DEN) 1.20.41,
 21) Hana Ryglova (CZE) 1.21.08,
 21) Satu Makitamm (FIN) 1.21.08,
 23) Hanna Heiskanen (FIN) 1.21.34,
 24) Michaela Gigon (AUT) 1.22.21,
 25) Kirsten Fairfax (AUS) 1.22.42,
 26) Anne Margrethe Hausken (NOR) 1.22.47,
 27) Olga Terekhova (RUS) 1.23.30,
 28) Ellen Moen (NOR) 1.23.37,
 29) Anna Marsell (SWE) 1.24.13,
 30) Stinne Skammelsen (DEN) 1.24.43
 Started: 110, Qualified: 101

Men 11.4 km

1) Maricel Olaru (ROM) 1.22.43,
 2) Anders Axenborg (SWE) 1.23.56,
 3) Jani Lakanen (FIN) 1.25.09,
 4) Horatiu Grecu (ROM) 1.25.23,
 5) Donatus Schnyder (SUI) 1.25.28,
 6) Petteri Laitinen (FIN) 1.26.32,
 7) Vladimir Lucan (CZE) 1.27.56,
 8) Florin Dorobantu (ROM) 1.29.11,
 9) Gabor Domonyik (HUN) 1.30.30,
 10) Vidar Solberg (NOR) 1.31.14,
 11) Toni Louhisola (FIN) 1.31.28,
 12) Richard Bolt (NZL) 1.31.28,
 14) Jesper Damgaard (DEN) 1.33.31,
 15) Jone Lakanen (FIN) 1.33.38,
 16) Michail Andreev (UKR) 1.34.53,
 17) Marian Davidik (SVK) 1.34.53,
 18) Adrian Klausner (SUI) 1.35.29,
 19) Michal Horacek (CZE) 1.35.29,
 20) Urs Müller (SUI) 1.35.51,
 21) Francois Gonon (FRA) 1.35.57,
 22) Robert Walter (AUS) 1.36.00,
 23) Hubert Klausner (SUI) 1.36.20,
 24) Roman Efimov (RUS) 1.36.30,
 25) Paolo Mario Grassi (ITA) 1.36.40,
 26) Patrik Martner (SWE) 1.36.55,
 27) Niclas Jonasson (SWE) 1.37.13,
 28) Rikard Claesson (SWE) 1.37.25,
 29) Maxim Stelmah (UKR) 1.37.49,
 30) Janis Kleins (LAT) 1.37.58
 Started: 164, Qualified: 142

Relay (13 July)

Women

1) ROM2 (E.Gall, Zs.Fey, E.Fey) 1.54.40,
 2) SUI1 (S.Luder, R.Hulliger, S.Wegmüller) 1.58.57,
 3) RUS1 (J.Morozova, O.Trekhova, T.Pereliaeva) 1.59.41,
 4) CZE1 (H.Ryglova, Z.Stara, M.Skoumalova) 1.59.56,
 5) SWE1 (U.Jonsson, M.Dahlin, A.Bjork) 2.00.46,
 6) FIN1 (S.Makitamm, H.Heiskanen, S.Vesalainen) 2.00.55,
 7) POL1 (M.Stankiewicz, N.Dasal, E.Kozłowska) 2.04.38,
 8) HUN1 (K.Hecz, S.Kesztyus, M.Lubinszki) 2.04.58,
 9) NOR2 (A.Stokke, E.Bjerva, A.Mathiesen) 2.09.35,

10) SVK (M.Rakayova, A.Durcova, J.Miklusova) 2.12.15,
 11) AUS1 (J.Allison, A.Jones, C.Trewin) 2.12.56,
 12) GBR1 (J.Smith, C.Williams, C.Buckley) 2.15.06,
 13) ITA (R.Fauner, S.Rinaldi, L.Skaravonati) 2.23.26,
 14) GER (L.Karger, B.Schlosser, K.Schmalfeld) 2.35.45,
 15) DEN1 (M.Bigum, S.Skammelsen, H.Hausner) 2.36.45,
 16) AUT (U.Hartinger, C.Müller, M.Gigon) 2.38.14,
 17) BUL (D.Tzoneva, E.Djarova, O.Baltova) 2.38.34,
 18) CRO (S.Glagolic, S.Mustra, J.Telisman) 3.44.43,
 19) JPN (C.Yasui, N.Sato, H.Takahashi) 3.56.44,
 Disq. FRA (E.Magne, A.Perbet, L.Coupat),
 Disq. YUG (M.Arsic, M.Keresevic, I.Goranovi)

Men

1) CZE1 (M.Horacek, V.Lucan, L.Mateju) 2.20.25,
 2) SVK1 (F.Libant, M.Bukovac, M.Davidik) 2.20.31,
 3) SUI1 (U.Müller, D.Schnyder, A.Klausner) 2.20.34,
 4) RUS2 (E.Gavrilov, A.Chtcherbakov, A.Borevich) 2.23.02,
 5) DEN1 (C.Nielsen, M.Ingvardsen, J.Damgaard) 2.25.14,
 6) SWE1 (N.Jonasson, A.Axenborg, J.Modig) 2.28.26,
 7) FIN1 (T.Louhisola, J.Lakanen, P.Laitinen) 2.29.20,
 8) NOR1 (R.Pedersen, J.Rostrup, V.Solberg) 2.32.09,
 9) AUS1 (T.De Haas, R.Smith, R.Walter) 2.33.37,
 10) LTU (M.Mazulis, V.Tilunas, P.Markovas) 2.33.50,
 11) POL1 (T.Czapla, T.Bartkowiak, L.Kolasinski) 2.34.31,
 12) HUN1 (D.Farkas, L.Sarecz, G.Domonyik) 2.35.31,
 13) FRA (R.Monvoisin, F.Gonon, T.Gueorgiou) 2.36.40,
 14) GER (I.Horst, M.Schone, L.Hommen) 2.39.36,
 15) AUT2 (B.Fink, W.Frawallner, T.Breitschadel) 2.44.24,
 16) NZL1 (K.Dravitzki, B.Edwards, R.Bolt) 2.44.27,
 17) LAT (R.Kalnins, J.Kleins, G.Dzerve) 2.47.50,
 18) BEL1 (W.Peers, C.Bernard, S.Gautier) 2.49.28,
 19) BUL (K.Vasilev, B.Marinov, G.Tcharakchiev) 2.49.53,
 20) GBR2 (S.Fishwick, E.Nash, T.Hart) 2.51.54,
 21) UKR (M.Andreev, N.Yakimechko, M.Stelmah) 3.00.24,
 22) ROM2 (H.Grecu, F.Dorobantu, M.Olaru) 3.02.19,
 23) ITA1 (E.Cristellon, G.Seidenari, P.Grassi) 3.06.35,

24) ESP (P.Pasion, J.Gmez, J.Martinez)
3.18.27,
25) EST (P.Pirksaar, K.Metsis, M.Randoja)
3.26.12,
26) USA (E.Moe, F.Schmitt, K.Walker)
3.27.26,
27) JPN2 (Y.Ishii, K.Tanou, S.Shouda)
4.08.36,
28) RSA (G. De Klerk, N.Mulder, M.Terry)
4.17.58,
29) POR (B.Goncalves, C.Pereira, H.Patricio)
4.25.04,
30) CRO1 (I.Punek, D.Lovric, D.Fabijanic)
4.34.32,
31) YUG (D.Bauer, S.Veljovic, Z.Nikolovski)
4.54.03,
Disq. ISR1 (Z.Cohen, A.Melz, D.Griff)

Team Competition Final Standings

Country	Women	Men	Total
1 Switzerland	60	110	170
2 Romania	92	97	189
3 Sweden	107	103	210
4 Finland	114	97	211
5 Russia	96	195	291
6 Czech Republic	126	183	309

World Cup in Foot Orienteering 1996 - Final Standings

Event 1 - Juodkrante, Lithuania, 8 May (Classic Distance)
Event 2 - Cesis, Latvia, 11 May (Classic Distance)
Event 3 - Relay 1 - Cesis, Latvia 12 May
Event 4 - Mölndal, Sweden, 30 July (Short Distance)
Event 5 - Vestmarka, Norway, 3 August (Classic Distance)
Event 6 - Relay 2 - Vestmarka, Norway, 4 August
Event 7 - Relay 3 - Langnau, Switzerland, 17 August
Event 8 - Langnau, Switzerland, 19 August (Short Distance)
Event 9 - Leuk, Switzerland, 21 August (Classic Distance)
Event 10 - Villard de Lans, France, 24 August (Classic distance)

Place	Score	Name	Nat	1	2	4	5	8	9	10
				LTU	LAT	SWE	NOR	SUI	SUI	FRA
<i>Women</i>										
1	192	Gunilla Svärd	(SWE)	41	36	50	50	47	45	35
2	189	Marlena Jansson	(SWE)	39	37	-	47	15	50	53
3	184	Hanne Staff	(NOR)	50	13	47	43	-	41	44
4	168	Anniina Paronen	(FIN)	43	35	38	6	39	48	
5	168	Yvette Hague	(GBR)	45	47	35	36	40	32	34
6	167	Anette Granstedt	(SWE)	47	50	-	34	31	31	36
7	163	Hanne Sandstad	(NOR)	-	41	33	39	36	43	40
8	161	Sanna Nymalm	(FIN)	40	-	30	41	22	34	46
9	158	Sabrina Meister-Fess	(SUI)	21	31	38	5	39	23	50
10	155	Johanna Tiira	(FIN)	37	25	43	37	37	33	38
11	155	Heather Monro	(GBR)	32	41	36	35	30	36	42
12	151	Marie-Luce Romanens	(SUI)	9	29	22	40	43	26	39
13	146	Vroni König	(SUI)	29	39	41	-	34	25	32
14	144	Kirsi Tiira	(FIN)	36	34	27	28	33	14	41
15	142	Reeta Mari Kolkkala	(FIN)	-	24	33	45	26	38	25
16	141	Brigitte Wolf	(SUI)	15	28	28	22	38	47	21
17	140	Katarina Borg	(SWE)	-	-	40	26	50	24	20
18	138	Kulli Kaljus	(EST)	25	45	8	12	25	37	31
19	135	Lucie Böhm	(AUT)	7	33	24	21	41	10	37
20	128	Anna Garin	(ESP)	11	35	16	20	45	21	27
21	126	Torunn Fossli	(NOR)	12	22	47	-	27	30	16
22	125	Anna Bogren	(SWE)	38	0	23	29	35	22	0
23	121	Karolina Arewang	(SWE)	-	-	39	33	32	9	17
24	115	Käthi Widler	(SUI)	27	4	29	31	-	-	28
25	114	Gro Sandstad	(NOR)	23	18	26	32	-	18	33
26	112	Jana Cieslarova	(CZE)	8	30	17	30	5	35	15
27	104	Birgitte Nordahl H.	(NOR)	-	-	31	25	21	27	3
28	89	Frauke Schmitt Gran	(GER)	-	-	15	17	28	15	29
29	88	Eija Koskivaara	(FIN)	22	0	7	24	29	7	13
30	82	Jenny James	(GBR)	-	-	18	11	23	0	30
31	81	Svetlana Gorbatenkova	(RUS)	34	21	20	6	-	-	-
32	75	Laure Coupat	(FRA)	-	-	5	5	8	19	43

33	73	Judith Keinath	(GER)	19	28	0	0	3	1	23
34	73	Tine Rasmussen	(DEN)	14	0	22	18	0	4	19
35	72	Elisabeth Ingvaldsen	(NOR)	30	15	-	20	-	0	7
36	71	Maria Sandström	(SWE)	33	38	-	-	-	-	-
37	66	Iveta Liberdova	(CZE)	-	-	-	-	-	40	26
38	66	Zsuzsa Fey	(ROM)	4	17	12	0	19	0	18
39	65	Maria Honzova	(CZE)	35	2	14	8	3	2	8
40	65	Marcela Kubatkova	(CZE)	20	8	13	7	24	-	-
41	64	Ragnhild B Andersen	(NOR)	-	-	37	27	-	-	-
42	62	Olga Jirsova	(CZE)	6	26	0	-	2	28	0
43	62	Juliette Soulard	(FRA)	16	4	10	12	0	24	-
44	57	Natalia Pletneva	(RUS)	43	14	0	0	-	-	-
45	57	Brigitte Grüniger	(SUI)	7	0	16	14	3	10	-
46	55	Tania Robinson	(NZL)	-	25	3	10	11	9	-
47	51	Anke Xylander	(GER)	28	23	-	-	-	-	-
48	50	Marquita Gelderman	(NZL)	-	-	6	9	13	0	22
49	48	Alix Young	(AUS)	3	0	0	4	0	29	12
50	45	Danute Mansson	(LTU)	26	19	-	-	-	-	-
51	45	Iva Navratilova	(CZE)	-	-	19	15	0	0	11
52	36	Bernadette Kovacs	(HUN)	-	-	-	-	20	12	4
53	36	Karin Schmalfeld	(GER)	0	12	11	13	-	-	-
54	33	Irina Michalko	(RUS)	13	20	-	-	-	-	-
55	32	Catarina Oberg	(SWE)	0	32	-	-	-	-	-
56	31	Kirsty Bryan-Jones	(GBR)	0	0	-	-	17	0	14
57	28	Anna Gornicka	(POL)	24	3	1	0	-	-	-
58	28	Nina Vinnitskaia	(UKR)	0	11	0	0	-	17	0
59	26	Tenna Norgaard	(DEN)	-	-	-	-	4	20	2
60	23	Tracy Bluett	(AUS)	-	-	-	23	-	-	-
61	23	Dorte Dahl	(DEN)	0	6	-	-	11	0	6
62	22	Tatjana Yaksanova	(RUS)	18	0	4	-	-	-	-
63	18	Kirsten Rösel	(GER)	-	-	-	-	18	0	0
64	17	Véronique Renaud	(SUI)	-	-	-	-	1	16	-
65	16	Uli Hartinger	(AUT)	-	0	0	-	16	0	0
66	16	Iraida Nikitina	(RUS)	16	0	-	-	-	-	-
67	14	Tatiana Iaksanova	(RUS)	-	-	-	14	-	-	-
68	14	Ieva Susta	(LAT)	4	10	-	-	-	-	-
69	14	Elena Kopitova	(RUS)	5	9	-	-	-	-	-
70	13	Jana Slamova	(SVK)	-	-	-	-	0	3	-
71	11	Emily Viner	(AUS)	1	0	10	0	-	0	0
72	10	Ianka Petrova	(BUL)	-	-	-	-	10	0	-
73	10	Maria Hoyer	(DEN)	-	0	0	0	2	8	0
74	9	Jo Allison	(AUS)	-	-	9	0	-	-	-
75	8	Catherine Dickburt	(BEL)	-	-	-	2	0	6	0
76	8	Ieva Vegere	(LAT)	0	5	0	3	-	-	-
77	7	Jo Henderson	(NZL)	-	-	0	0	7	0	0
78	7	Lorna Eades	(GBR)	0	0	2	0	0	0	5
79	5	Marianna Hornyak	(HUN)	-	-	0	0	0	-	5
80	5	Meike Jaeger	(GER)	-	-	-	-	0	5	0
81	5	Bati Tobler	(AUT)	-	-	5	-	0	-	0
82	5	Renate Fauner	(ITA)	-	-	-	-	5	-	0
83	5	Elo Saue	(EST)	5	0	-	-	-	-	-
83	5	Edith Madalik	(EST)	-	5	-	-	-	-	-

85	5	Marie-Violai Palcau (FRA)	-	-	-	4	-	-	1
86	4	Kim Buckley (GBR)	-	-	-	-	0	0	4
87	4	Ruth Vaheer (EST)	-	4	-	-	-	-	-
87	4	Eleonora Pavlova (BUL)	-	-	-	-	4	0	-
89	4	Katalin Lovasi (HUN)	-	-	3	1	0	0	-
90	3	Giedre Voveriene (LTU)	-	0	-	-	0	0	3
91	3	Natasha Rowe (AUS)	-	-	3	-	-	-	-
91	3	Ragnhild Myrvold (NOR)	3	0	-	-	-	-	-
91	3	Kristi Vassil (EST)	-	3	-	-	-	-	-
94	2	Sanae Kiue (JPN)	-	0	0	0	0	0	2
95	2	Marianne Lynge Madsen (DEN)	-	-	2	-	-	-	-
95	2	Lenka Cechova (CZE)	2	0	-	-	-	-	-
95	2	Katerina Ticha (CZE)	-	0	-	2	-	-	-
95	2	Inga Dambe (LAT)	-	2	-	-	-	-	-
95	2	Daiva Mazuolyte (LTU) 2	0	-	-	-	-	-	-
100	2	Antonia Wood (NZL)	-	-	1	1	0	0	0
101	1	Verena Troi (ITA)	-	-	0	0	0	0	1
102	1	Laima Klauza (LAT)	1	0	-	-	-	-	-
102	1	Katarina Libantova (SVK)	-	-	0	0	1	0	-
102	1	Yvonne Fjordside (DEN)	-	1	-	-	-	-	-
102	1	Katrin Renger (GER)	-	-	1	0	-	-	-
102	1	Eniko Fey (ROM)	0	1	-	-	-	-	-

Place	Score	Name	Nat	1	2	4	5	8	9	10
				LTU	LAT	SWE	NOR	SUI	SUI	FRA

Men

1	181	Johan Ivarsson (SWE)	34	31	31	50	47	25	50
2	178	Jörgen Martensson (SWE)	50	39	41	39	41	45	42
3	176	Timo Karppinen (FIN) 40	-	50	47	39	-	15	-
4	174	Mikael Boström (FIN)	43	2	45	38	29	16	48
5	168	Alain Berger (SUI)	18	16	39	40	45	31	44
6	165	Hakan Eriksson (SWE)	38	34	20	43	34	50	-
7	163	Rudolf Ropek (CZE)	39	45	12	32	36	43	36
8	162	Sixten Sild (EST)	36	50	38	37	23	37	1
9	156	Peter Jacobsson (SWE)	34	38	34	22	50	9	29
10	156	Björn Valstad (NOR)	45	35	37	30	31	34	39
11	155	Thomas Bühner (SUI)	35	43	5	24	16	23	53
12	151	Petter Thoresen (NOR)	-	-	19	45	24	47	35
13	150	Allan Mogensen (DEN)	47	33	0	-	30	40	18
14	144	Jon Tvedt (NOR)	-	-	40	25	38	41	24
15	142	Carl Henrik Bjørseth (NOR)	26	47	26	28	26	-	41
16	141	Per Ek (SWE)	29	3	32	21	40	24	40
17	140	Christoph Plattner (SUI)	-	4	29	36	37	36	31
18	139	Kenneth Cederberg (FIN)	30	40	35	34	-	30	17
19	133	Edgaras Voveris (LTU)	41	37	23	-	9	27	28
20	130	Kjetil Björlo (NOR)	-	10	47	41	-	-	32
21	128	Per Olaussen (NOR)	21	23	-	-	-	38	46
22	127	Janne Salmi (FIN)	23	30	33	29	11	-	35
23	123	Olivier Coupat (FRA)	2	20	27	-	2	33	43
24	120	Carsten Jörgensen (DEN)	32	7	15	19	43	7	26
25	118	Yuri Omeltchenko (UKR)	4	36	0	-	5	39	38
26	116	Valentin Novikov (RUS)	27	41	13	35	-	-	-
27	114	Alistair Landels (NZL)	19	14	2	2	35	35	25
28	108	Dominik Humbel (SUI) 15	0	24	-	27	20	37	-
29	99	Tommi Tölkö (FIN)	17	28	28	26	-	-	-
30	94	Steven Hale (GBR)	22	29	43	-	-	-	0
31	91	Jozef Pollak (SVK)	9	0	9	27	33	-	22
32	91	Stephen Palmer (GBR)	10	24	0	20	28	14	19
33	88	Daniel Giger (SUI)	-	-	0	12	32	17	27
34	85	Libor Zridkavesely (CZE)	0	26	-	14	12	29	16
35	84	Flemming Jörgensen (DEN)	-	-	18	31	22	13	12
36	79	Chris Terkelsen (DEN)	37	27	-	-	15	-	-
37	73	Petri Forsman (FIN)	13	6	-	-	0	21	33
38	72	Svajunas Ambrazas (LTU)	0	5	4	15	-	32	20
39	69	Havard Tveite (NOR)	-	-	36	33	-	-	-
40	69	Janis Ozolins (LAT)	5	15	26	23	-	-	-
41	67	Grant Bluett (AUS)	-	-	16	0	-	28	23
42	60	Ants Grende (LAT)	28	32	-	-	-	-	-
43	59	Tomas Prokes (CZE)	3	0	12	13	25	-	9
44	58	Jonathan Musgrave (GBR)	4	4	15	-	17	5	21
45	56	Sören Nymalm (FIN)	-	-	4	16	6	1	30
46	56	Frederik Löwegren (SWE)	2	19	21	10	0	6	0
47	52	Vidas Armalis (LTU)	-	0	22	7	10	-	13
48	47	Vladimir Koslov (RUS) -	-	30	17	-	-	-	-

49	44	Thomas Jensen (DEN)	0	0	-	4	-	26	14
50	42	Gabor Domonyik (HUN)	25	0	1	-	0	10	6
51	39	Rolf Breckle (GER)	-	3	8	6	14	-	11
52	37	David Peel (GBR)	8	0	-	-	19	3	7
53	35	Steve Nicholson (GBR)	-	-	5	11	-	19	-
54	35	Sergei Sibilev (RUS)	17	18	-	-	-	-	-
55	33	Dominik Haag (SUI)	3	12	0	5	1	11	5
56	32	Jesper David Jensen (DEN)	-	-	0	8	1	15	8
57	32	Vaclav Zakouril (CZE)	-	-	7	2	13	-	10
58	31	Alexandre Mikhailov (UKR)	31	0	0	-	-	-	-
59	27	Jean-Daniel Giroux (FRA)	12	8	3	4	-	-	3
60	26	Steve Craig (AUS)	5	0	17	0	-	-	4
61	25	Janusz Porzycz (POL)	0	25	0	-	-	-	-
62	25	Alar Viitmaa (EST)	0	22	3	-	-	-	-
63	24	Igor Troukhan (UKR)	24	0	-	-	-	-	-
64	22	Cristiano Simoni (ITA)	-	0	-	-	0	22	-
65	22	Pierpaolo Corona (ITA)	-	0	-	-	20	2	0
66	22	Martin Brantner (AUT)	-	0	0	18	0	4	0
67	21	Thomas Krejci (AUT)	0	0	-	-	21	0	0
68	21	Ivars Zagars (LAT)	0	21	-	-	-	-	-
69	21	Ovidiu Duca (ROM)	-	0	0	3	18	-	0
70	20	Tore Sandvik (NOR)	20	0	-	-	-	-	-
71	20	Robert Jessop (NZL)	-	-	-	0	2	18	0
72	20	Torben Skovlyst (DEN)	14	0	6	0	-	-	-
73	17	Aigars Leiboms (LAT)	-	17	-	-	-	-	-
74	16	Bernt Bjornsgaard (NOR)	11	5	-	-	-	-	-
75	14	Rene Ottesson (EST)	-	2	-	-	4	8	0
76	13	Andrey Sandalnev (RUS)	0	13	-	-	-	-	-
77	12	Jamie Stevenson (GBR)	-	-	-	-	0	12	0
78	11	Petr Utinek (CZE)	-	11	0	0	-	-	-
79	11	James Pearce (GBR)	-	-	-	9	0	-	2
80	10	Warren Key (AUS)	-	-	10	0	-	-	-
81	9	Robert Banach (POL)	-	9	0	-	-	-	-
82	8	Rémi Gueorgiou (FRA) -	-	-	-	8	-	-	-
83	7	Michael Tobler (AUT)	-	0	0	-	7	-	0
84	7	Pavel Moskovicz (POL)	7	0	-	-	0	-	-
85	7	Gilles Perrin (FRA)	6	0	1	0	0	-	-
86	6	Tomas Zakouril (CZE)	-	-	-	-	4	-	2
87	6	Bruce McLeod (NZL)	-	-	0	-	3	-	3
88	5	Michele Tavernaro (ITA)	-	0	-	-	0	0	5
89	5	Gabor Pavlovics (HUN)	-	-	0	0	5	-	-
89	5	Neil Conway (GBR)	-	0	0	5	-	-	-
91	4	Wolfgang Waldhäusl (AUT)	-	-	-	-	0	-	4
92	4	Tom Quayle (AUS)	1	0	0	0	3	-	0
93	3	Erik Aibast (EST)	-	0	0	3	-	-	-
94	2	Stéphane Toussaint (FRA)	0	0	2	-	-	-	-
95	2	Igor Gorbatenkov (RUS)	0	1	0	1	-	-	-
96	1	David Farquhar (NZL)	-	-	-	-	0	-	1
97	1	Tarvo Avaste (EST)	-	-	0	1	0	-	0
98	1	Rado Jonas (SVK)	1	0	0	0	-	-	-
98	1	Ales Drahonovsky (CZE)	-	1	-	-	-	-	-

World Cup in Foot Orienteering 1996 - Final Relay Standings

Relay 1 - Cesis, Latvia 12 May

Relay 2 - Vestmarka, Norway, 4 August

Relay 3 - Langnau, Switzerland, 17 August

Women

Nation	1 LAT	2 NOR	3 SUI	Total	Place
NOR	(17)	20	20	40	1
SWE	20	17	(14)	37	2
SUI	(13)	13	23	36	3
FIN	(15)	15	18	33	4
CZE	11	(7)	16	27	5
GBR	(6)	10	14	24	6

NZL	(0)	11	11	22	7
GER	(8)	8	12	20	8
RUS	10	9	(0)	19	9
DEN	(3)	4	10	14	10
FRA	(0)	6	8	14	11
AUT	4	(2)	9	13	12
ROM	7	(0)	4	11	13
AUS	(0)	5	6	11	14
EST	9	(0)	0	9	15
HUN	(0)	1	7	8	16
SVK	(0)	3	5	8	17
LAT	5	(0)	0	5	18
JPN	(0)	0	3	3	19
BEL	(0)	0	2	2	20
LTU	2	(0)	0	2	21
UKR	1	(0)	0	1	22

Men

Nation	1 LAT	2 NOR	3 SUI	Total	Place
SWE	20	20	(18)	40	1
NOR	15	(15)	20	35	2
FIN	17	(11)	18	33	3
SUI	9	(8)	23	32	4
CZE	(10)	17	11	28	5
GBR	11	(13)	10	24	6
DEN	(8)	9	14	23	7
LTU	7	10	0	17	8
EST	(5)	7	8	15	9
ITA	(0)	0	13	13	10
LAT	13	(0)	0	13	11
FRA	(0)	1	12	13	12
AUS	(0)	4	9	13	13
HUN	(0)	5	5	10	14
AUT	1	(0)	7	8	15
GER	3	(0)	4	7	16
UKR	4	3	(0)	7	17
NZL	(0)	0	6	6	18
POL	6	(0)	0	6	19
RUS	(0)	6	(0)	6	19
SVK	2	2	(0)	4	21
ROM	(0)	0	3	3	22
POR	(0)	0	2	2	23

IOF Events in 1997

WOC in foot-orienteeing: Grimstad, Norway (10-16 August)

Classic Distance (12 August)

Women 8.64 km

- 1) Hanne Staff (NOR) 1.12.56,
- 2) Katarina Borg (SWE) 1.13.40,
- 3) Hanne Sandstad (NOR) 1.14.34,
- 4) Kirsi Tiira (FIN) 1.14.38,
- 5) Gunilla Svärd (SWE) 1.14.50,
- 6) Anniina Paronen (FIN) 1.16.35,
- 7) Sabrina Meister (SUI) 1.17.46,
- 8) Yvette Hague (GBR) 1.18.17,
- 9) Marie-L. Romanens (SUI) 1.18.37,
- 10) Vroni König (SUI) 1.18.56,
- 11) Johanna Asklöf (FIN) 1.19.03,
- 12) Brigitte Wolf (SUI) 1.20.48,
- 13) Elisabeth Ingvaldsen (NOR) 1.21.27,
- 14) Frauke Schmidt Gran (GER) 1.21.40,
- 15) Nina Vinnytska (UKR) 1.21.56,
- 16) Lucie Böhm (AUT) 1.23.24,
- 17) Külli Kaljus (EST) 1.23.46,
- 18) Jenny James (GBR) 1.24.37,
- 19) Anna Garin (ESP) 1.25.12,
- 20) Reeta-Mari Kolkkala (FIN) 1.25.43,
- 21) Anette Granstedt (SWE) 1.26.00,
- 22) Jana Cieslarova (CZE) 1.26.13,
- 23) Heather Monro (GBR) 1.26.25,
- 24) Danute Måsson (LTU) 1.27.19,
- 25) Tania Robinson (NZL) 1.27.18,
- 26) Antonia Wood (NZL) 1.27.19,
- 27) Svetlana Gorlatenkova (RUS) 1.27.50,
- 28) Marlena Jansson (SWE) 1.28.04,
- 29) Tatiana Iaksanova (RUS) 1.28.36,
- 30) Heidrun Finke (GER) 1.30.15,
- 31) Alix Young (AUS) 1.31.45,
- 32) Natasha Rowe (AUS) 1.33.01,
- 33) Ann-Kristin Høgseth (NOR) 1.33.05,
- 34) Marcela Kubatkova (CZE) 1.33.30,
- 34) Karin Schmalfeld (GER) 1.33.30,
- 36) Eniko Fey (ROM) 1.33.33,
- 37) Judith Keinath (GER) 1.34.15,
- 38) Liz Campbell (GBR) 1.34.46,
- 39) Tine Rasmussen (DEN) 1.35.28,
- 40) Anna Gornicka (POL) 1.35.32,
- 41) Laure Coupat (FRA) 1.36.22,
- 42) Zsuzsa Fey (ROM) 1.36.32,
- 43) Barbara Baczek (POL) 1.37.11,
- 44) Merete Bigum (DEN) 1.37.14,
- 45) Maret Vahe (EST) 1.37.53,
- 46) Ruth Vahe (EST) 1.38.13,
- 47) Dorte Dahl (DEN) 1.38.15,
- 48) Ewa Kozłowska (POL) 1.38.47,
- 49) Jana Slamova (SVK) 1.39.39,
- 50) Tracy Bluett (AUS) 1.39.40,
- 51) Emily Viner (AUS) 1.39.41,
- 52) Encarna Maturana (ESP) 1.41.29,
- 53) Rachel Smith (NZL) 1.45.09,
- 54) Verena Troi (ITA) 1.45.47,
- 55) Una Creagh (IRL) 1.45.50,
- 56) Olga Lepšikova (CZE) 1.46.08,
- 57) Janni Adams (NZL) 1.47.40,
- 58) Pam James (CAN) 1.55.28,
- 59) Juliette Soulard (FRA) 1.57.12

Men 13.6 km

- 1) Petter Thoresen (NOR) 1.40.16,
- 2) Jörgen Mårtensson (SWE) 1.41.58,
- 3) Kjetil Bjørlo (NOR) 1.43.04,
- 4) Karsten Jørgensen (DEN) 1.43.51,

- 5) Tomas Prokes (CZE) 1.45.01,
- 6) Janne Salmi (FIN) 1.45.24,
- 7) Johan Ivarsson (SWE) 1.45.53,
- 8) Mikael Boström (FIN) 1.46.35,
- 9) Rudolf Ropek (CZE) 1.46.41,
- 10) Timo Karppinen (FIN) 1.47.14,
- 11) Sören Nymalm (FIN) 1.47.32,
- 12) Edgaras Voveris (LTU) 1.48.05,
- 13) Allan Mogensen (DEN) 1.48.13,
- 14) Torben Skovlyst (DEN)
- 14) Tom Quayle (AUS) 1.49.55,
- 16) Dominic Humbel (SUI) 1.51.20,
- 17) Yuri Omeltchenko (UKR) 1.51.26,
- 18) Tomas Asp (SWE) 1.52.16,
- 19) Chris Terkelsen (DEN) 1.54.01,
- 20) Daniel Giger (SUI) 1.54.09,
- 21) Steve Hale (GBR) 1.54.18,
- 22) Vladimir Alexeev (RUS) 1.54.33,
- 23) Stephen Palmer (GBR) 1.54.57,
- 24) Christoph Plattner (SUI) 1.55.43,
- 25) Bjørnar Valstad (NOR) 1.55.53,
- 26) Steve Nicholson (GBR) 1.56.17,
- 27) Ants Grende (LAT) 1.57.03,
- 28) Arto Rautiainen (SWE) 1.57.24,
- 29) Fabrice Vannier (FRA) 1.57.28,
- 30) Jozef Pollak (SVK) 1.58.00,
- 31) Alexandre Mikhailov (UKR) 1.58.18,
- 32) Alain Berger (SUI) 1.58.35,
- 34) Jozef Chupek (SVK) 2.00.32,
- 35) Valentin Novikov (RUS) 2.01.04,
- 36) Roberto Pradel (ITA) 2.01.55,
- 37) Thomas Kreici (AUT) 2.03.16,
- 38) Svajunas Ambrasas (LTU) 2.03.37,
- 39) Jean-Daniel Giroux (FRA) 2.04.12,
- 40) Pierpaolo Corona (ITA) 2.05.38,
- 41) Jon Duncan (GBR) 2.05.58,
- 42) Michele Tavernaro (ITA) 2.07.35,
- 43) Gabor Domonyik (HUN) 2.08.42,
- 44) Erik Aibast (EST) 2.08.50,
- 45) Shin Murakoshi (JPN) 2.09.02,
- 46) Vladimir Kozlov (RUS) 2.09.48,
- 47) Libon Zridkavesely (CZE) 2.09.55,
- 48) Rene Otteson (EST) 2.10.34,
- 49) Tilo Pompe (GER) 2.11.02,
- 50) Ferenc Viniczai (HUN) 2.13.00,
- 51) Vidas Armalis (LTU) 2.14.10,
- 52) Carl Henrik Bjørseth (NOR) 2.14.11,
- 53) Robert Walter (AUS) 2.14.19,
- 54) Mike Waddington (CAN) 2.16.22,
- 55) Jozef Wallner (SVK) 2.16.26,
- 56) Girts Linins (LAT) 2.18.43,
- 57) Jürgen Egger (AUT) 2.19.25,
- Disq. Janusz Porzyoz (POL)
- Disq. Grant Bluett (AUS)

Short Distance (14 August)

Women 3.6 km

- 1) Lucie Böhm (AUT) 25.15,
- 2) Hanne Sandstad (NOR) 25.29,
- 3) Hanne Staff (NOR) 25.57,
- 3) Marie-Luce Romanens (SUI) 25.57,
- 5) Cecilia Nilsson (SWE) 26.11,
- 6) Johanna Asklöf (FIN) 26.32,
- 7) Vroni König (SUI) 27.11,
- 8) Brigitte Wolf (SUI) 27.11,
- 9) Kirsi Tiira (FIN) 27.17,
- 10) Anna Bogren (SWE) 27.27,
- 11) Elisabeth Ingvaldsen (NOR) 27.36,
- 12) Gunilla Svärd (SWE) 27.54,
- 13) Yvette Hague (GBR) 28.20,
- 14) Sabrina Maister (SUI) 28.36,
- 15) Anniina Paronen (FIN) 28.54,
- 6) Dorte Dahl (DEN) 28.58,
- 17) Ruth Vahe (EST) 29.18,
- 18) Torunn Fossli Saethre (NOR) 29.23,
- 19) Irina Mikhalko (RUS) 29.41,

- 20) Maria Honzova (CZE) 29.42,
- 21) Frauke Schmidt Gran (GER) 29.58,
- 22) Marcela Kubatkova (CZE) 30.30,
- 23) Katja Honkala (FIN) 30.40,
- 24) Tania Robinson (NZL) 30.45,
- 25) Tatiana Iaksanova (RUS) 31.04,
- 26) Heather Monro (GBR) 31.13,
- 27) Heidrun Finke (GER) 31.15,
- 28) Barbara Baczek (POL) 31.16,
- 29) Danute Måsson (LTU) 31.29,
- 30) Antonia Wood (NZL) 31.31,
- 31) Elo Saue (EST) 32.27,
- 32) Juliette Soulard (FRA) 32.28,
- 33) Kim Buckley (GBR) 32.40,
- 34) Merete Bigum (DEN) 32.41,
- 35) Tine Rasmussen (DEN) 33.02,
- 36) Olga Lepšikova (CZE) 33.12,
- 37) Barbara Tobler (AUT) 33.14,
- 38) Pam James (CAN) 33.16,
- 39) Zsuzsa Fey (ROM) 33.34,
- 40) Maret Vahe (EST) 33.39,
- 41) Maria Lubinszki (HUN) 33.40,
- 42) Katarina Borg (SWE) 34.00,
- 43) Julia Morozova (RUS) 34.04,
- 44) Kristin Hall (USA) 34.19,
- 45) Anna Gornicka (POL) 34.28,
- 46) Kylli Kaljus (EST) 34.49,
- 47) Nina Vinnytska (UKR) 34.56,
- 48) Anke Sylander (GER) 36.13,
- 49) Jana Cieslarova (CZE) 36.22,
- 50) Eniko Fey (ROM) 36.39,
- 51) Sandy Smith (CAN) 36.44,
- 52) Bernadett Kovacs (HUN) 38.24,
- 53) Marianne Lynge Madsen (DEN) 38.42,
- 54) Uli Hartinger (AUT) 39.20,
- 55) Karin Schmalfeld (GER) 39.34,
- 56) Jenni Adams (NZL) 39.36,
- 57) Verena Troi (ITA) 40.25,
- Disq. Michalela Gigon (AUT),
- Disq. Natasha Rowe (AUS),
- Disq. Nixky Tawa (AUS)

Men 4.2 km

- 1) Janne Salmi (FIN) 26.05,
- 2) Timo Karppinen (FIN) 26.17,
- 3) Bjørnar Valstad (NOR) 26.27,
- 4) Per Olaussen (NOR) 26.50,
- 5) Petter Thoresen (NOR) 27.14,
- 6) Mikael Boström (FIN) 27.18,
- 7) Jörgen Mårtensson (SWE) 28.12,
- 8) Juha Peltola (FIN) 28.14,
- 9) Johan Ivarsson (SWE) 28.19,
- 10) Kjetil Bjørlo (NOR) 28.21,
- 11) Valentin Novikov (RUS) 28.44,
- 12) Steve Hale (GBR) 28.49,
- 13) Rudolf Ropek (CZE) 28.59,
- 14) Peter Jacobsson (SWE) 29.25,
- 15) Tarvo Avaste (EST) 29.34,
- 16) Thomas Bühner (SUI) 29.45,
- 17) Janusz Porzyoz (POL) 29.56,
- 18) Erik Aibast (EST) 30.06,
- 19) Vladimir Alexeev (RUS) 30.24,
- 20) Christoph Plattner (SUI) 30.26,
- 21) Thomas Kreice (AUT) 30.41,
- 22) Jimmy Birklin (SWE) 30.46,
- 23) Thomas Hjerrild (DEN) 30.49,
- 24) Alistair Landels (NZL) 30.51,
- 25) Jozef Pollak (SVK) 30.54,
- 26) Edgaras Voveris (LTU) 31.07,
- 27) Dominic Humbel (SUI) 31.28,
- 28) Grant Buett (AUS) 32.08,
- 29) Alain Berger (SUI) 32.14,
- 30) Armo Hiie (EST) 32.17,
- 31) Svajunas Ambrasas (LTU) 32.22,
- 31) Steve Nicholson (GBR) 32.22,
- 33) Stephen Palmer (GBR) 32.24,
- 34) Carsten Jørgensen (DEN) 32.24,
- 35) Tomas Zakouril (CZE) 32.47,

36) Yuri Omeltchenko (UKR) 32.51,
 37) Warren Key (AUS) 33.03,
 38) Tilo Pompe (GER) 33.12,
 39) Cris Terkelsen (DEN) 33.25,
 40) Sylvain Mouglin (FRA) 33.36,
 41) Pierpaolo Corona (ITA) 33.47,
 42) Jean-Kaniel Giroux (FRA) 33.58,
 43) Wolfgang Waldhausl (AUT) 34.28,
 44) Rolf Berckle (GER) 34.30,
 45) Shin Murakoshi (JPN) 34.42,
 46) Marian Davidik (SVK) 34.51,
 47) Cristiano Simoni (ITA) 34.57,
 48) Remigiusz Nowak (POL) 35.09,
 49) Mikhael Mamleev (RUS) 35.20,
 50) Thierry Guergiou (FRA) 35.47,
 51) Rene Ottesson (EST) 36.18,
 52) Falk Hähnel (GER) 36.34,
 53) Eirik Moe (USA) 36.38,
 54) Marcus Pinker (IRL) 36.56,
 55) Ferenc Levai (HUN) 37.34,
 56) Gabor Domonyik (HUN) 37.37,
 57) Robert Walter (AUS) 39.37,
 58) Michele Tavernaro (ITA) 40.09,
 59) James Scarborough (USA) 40.40,
 60) Ovidik Mutiu (ROM) 47.24,
 Disq. Allan Mogensen (DEN)

Relay (16 August)

Women

1) SWE, (Anna Bogren, Gunilla Svärd, Cecilia Nilsson, Marlena Jansson) 2.51.41,
 2) NOR (Torunn Fossli Saethre, Elisabeth Ingvaldsen, Hanne Sandstad, Hanne Staff) 2.52.56,
 3) SUI (Birgitte Wolf, Marie-Luce Romanens, Vroni König, Sabrina Meister) 2.56.28,
 4) FIN (Kirsi Tiira, Anniina Paronen, Reeta-Mari Kolkka, Johanna Asklöf) 3.04.42,
 5) GBR (Jenny James, Liz Campbell, Yvette Hague, Heather Monro) 3.06.31,
 6) AUS (Emily Viner, Tracy Bluett, Alix Young, Nicky Taws) 3.18.41,
 7) RUS (Julia Morozova, Irina Mikhalko, Tatiana Iaksonova, Svetlan Gorlatenkova) 3.21.57,
 7) EST (Mall Alev, Ruth Vaher, Maret Vaher, Kylli Kaljus) 3.21.57,
 9) NZL (Jenni Adams, Kirsten Ambler, Tania Robinson, Antonia Wood) 3.22.01,
 10) CZE (Marcela Kubatková, Olga Lepšiková, Maria Honzová, Jana Cieslarová) 3.29.09,
 11) GER (Judith Keinath, Karin Schmalfeld, Heidrun Finke, Frauke Schmitt Gran) 3.34.24,
 12) FRA (Valerie Leomant, Audrey Perbet, Juliette Soulard, Laure Coupat) 3.43.58,
 13) AUT (Uli Hartinger, Michalela Gion, Barbara Tobler, Lucie Böhm) 3.50.56,
 14) POL (Anna Gornicka, Joanna Sobczynska, Barbara Baczek, Ewa Kozłowska) 3.52.38,
 15) HUN (Bernadett Kovacs, Andrea Lux, Maria Lubinszki, Reka Garbonyi) 3.57.10,
 16) DEN (Merete Bigum, Mariann Lynge Madsen, Tine Rasmussen, Dorte Dahl) 4.00.57,
 17) ROM (Veronica Mirea, Eniko Fey, Zsuzsa Fey, Luminita Duca) 4.01.50,
 18) UKR (Lesia Diatchenko, Mariya Spasyuk, Olga Oufimtseva, Nina Winnitska) 4.09.11,
 19) USA (Karen Williams, Kris Harrison, Peggy Dickinson, Kristin Hall) 4.27.04,
 20) CAN (Sandy Smith, Pam James, Philippa C. Mcneil, Catherine Hagen) 4.24.43,
 21) JPN (Yuka Kinnami, Shinobu Kaneko,

Sanae Kiue, Yoshiko Fukshi) 4.30.29,
 22) SVK (Katarina Libantova, Alena Durcova, Jana Slamova, Pauliua Majova) 4.58.34,
 Disq. CRO, ESP, IRL

Men

1) DEN (Torben Skovlyst, Carsten Jørgensen, Chris Terkelsen, Allan Mogensen) 4.18.58,
 2) FIN (Timo Karppinen, Juha Peltola, Mikael Boström, Janne Salmi) 4.19.14,
 3) NOR (Håvard Tveite, Bjørnar Valstad, Kjetil Bjørlo, Petter Thoresen) 4.24.27,
 4) RUS (Vladimir Kozlov, Vladimir Alexeev, Mikhael Mamleev, Valentin Novikov) 4.28.44,
 5) SUI (Dominic Humbel, Alain Berger, Christoph Plattner, Thomas Byhrer) 4.36.16,
 6) GBR (Jonathan Musgrave, Jamie Stevenson, Stephen Palmer, Steve Hale) 4.41.35,
 7) UKR (Alexandre Mikhailov, Yuri Omeltchenko, Roman Slobodianouk, Igor Troukhan) 4.48.47,
 8) POL (Robert Banach, Janusz Porzycz, Pawel Moszkowicz, Slawomir Wozniak) 4.52.00,
 9) CZE (Libor Zridkavesely, Tomas Prokes, Tomas Zakouril, Rudolf Ropek) 4.52.59,
 10) GER (Oliver Foeth, Rolf Brekle, Falk Höhnle, Tilo Pompe) 4.58.11,
 11) AUS (Warren Key, Jock Davis, Stephen Craig, Grant Bluett) 4.59.15,
 12) FRA (Fabrice Vannier, Jean-Daniel Giroux, Thierry Gueorgiou, Sylvain Mouglin) 5.04.10,
 13) NZL (Alistair Landels, Greg Barbour, Bruce Mcleod, Darren Ashmore) 5.09.46,
 14) SVK (Jozef Pollak, Jozef Wallner, Marian Davidik, Jozef Chupek) 5.16.05,
 15) CAN (Wil Smith, Brian Graham, Brian May, Waddington Mike) 5.16.49,
 16) EST (Rene Ottesson, Erik Aibast, Tarvo Avaste, Armo Hiie) 5.19.36,
 17) AUT (Christian Mohn, Thomas Kreici, Franz Helminger, Norbert Helminger) 5.19.55,
 18) HUN (Gabor Domonyik, Denes Zoltan, Ferenc Levai, Ferenc Viniczai) 5.26.54,
 19) JPN (Koji Kashimada, Shin Murakoshi, Hirobuni Kagaya, Tetsushi Maruyama) 5.32.54,
 Disq. ITA, LAT, LTU, SWE

JWOC in foot-orienteeing: Leopoldsburg, Belgium (7-13 July)

Short Distance (9 July)

Women 4,2 km

1) Heiskanen Hanna (FIN) 24.17,
 2) Miksova Katerina (CZE) 24.43,
 3) Jukkola Heli (FIN) 24.46,
 4) Samuelsson Karolina (SWE) 25.00,
 5) Pereliaeva Tatiana (RUS) 25.01,
 6) Luder Simone (SUI) 25.06,
 7) Jurenikova Eva (CZE) 25.36,
 8) Engstrand Emma (SWE) 25.38,
 9) Kouznetsova Elizaveta (RUS) 26.07,
 10) Fey Eniko (ROM) 26.24,
 11) Wegmueller Sara (SUI) 26.31,
 12) Hulliger Regula (SUI) 26.36,
 13) Stankiewicz Malgorzata (POL) 26.40,
 14) Bernhard Regula (SUI) 26.42,

15) Hoksrud Aasne (NOR) 26.51,
 16) Herremans Sofie (BEL) 26.53,
 17) Pietilä Eveliina (FIN) 26.54,
 18) Macuchova Zuzana (CZE) 27.01,
 19) Haapakoski Paula (FIN) 27.04,
 20) Hoiland Randi (NOR) 27.31,
 21) Kostyleva Tatiana (RUS) 27.34,
 22) Frischi Astrid (SUI) 27.38,
 23) Hausner Helene (DEN)
 23) Pakkala Mirkka (FIN) 27.40,
 25) Juan Annick (SUI) 27.46,
 26) Stara Zdenka (CZE) 27.48,
 27) Trewin Cassie (AUS) 27.58,
 28) Leoman Valerie (FRA) 28.25,
 29) Bigum Merete (DEN) 28.30,
 30) Whitehead Jenny (GBR) 28.56,
 31) Zsebehazy Eszter (HUN) 29.01,
 32) Gigon Michaela (AUT) 29.05,
 33) Smith Rachel (NZL) 29.09,
 34) Nordstrand Karine (NOR) 29.19,
 35) Frederiksson Gabriella (SWE) 29.26,
 36) Uzule Agnese (LAT) 29.30,
 37) Renaas Marte (NOR) 29.47,
 38) Patejko Kinga (POL) 30.05,
 39) Kazymova Ksenia (RUS) 30.20,
 40) Plodovitova Anastassia (RUS) 30.29,
 41) Klechova Vendula (CZE) 30.30,
 42) Johansson Jenny (SWE) 30.38,
 43) Stevenson Jo (GBR) 30.58,
 44) Kavikas Kaari (EST) 31.07,
 45) Husen Marianne (DEN),
 45) Fauner Renate (ITA) 31.31,
 47) Skammelsen Stinne (DEN) 32.38,
 48) Dasal Natalia (POL) 32.54,
 49) Minty Rebecca (AUS) 33.19,
 50) Galkina Galina (RUS) 33.45,
 51) Ashton Christine (GBR) 33.47,
 52) Schlösser Beate (GER) 33.52,
 53) Vosyliute Diana (LTU) 34.25,
 54) Hecz Katalin (HUN) 34.28,
 55) Goc Renata (POL) 34.40,
 56) Randoja Mirja (EST) 34.43,
 57) Manelyte Laura (LTU) 36.59,
 58) Geers Sanna (NED) 42.27,
 Disq. Asp Catarina (SWE),
 Disq. Johansson Christine (SWE),
 Disq. Wendler Wiebke (GER)
 Disq. Paznokaite Rasa (LTU)

Men 5,0 km

1) Rostrup Jorgen (NOR) 23.31,
 2) Öberg Per (SWE) 23.33,
 2) Gunnarsson Rikard (SWE) 23.33,
 4) Pilblad Jonas (SWE) 23.53,
 5) Bobach Claus (DEN) 24.04,
 6) Klausner Hubert (SUI) 24.29,
 7) Leppävuori Ilkka (FIN) 24.39,
 8) Gould Sigmund (GBR) 24.45,
 9) de Haas Troy (AUS) 24.46,
 10) Hamalisto Sami (FIN) 24.55,
 11) Lucan Vladimir (CZE) 25.01,
 12) Feldmann Robert (SUI) 25.07,
 12) Omdal Hans Gunnar (NOR) 25.07,
 12) Bentz Felix (SUI) 25.07,
 15) Squire Anthony (GBR) 25.10,
 16) Davidik Marian (SVK) 25.11,
 17) Cech Radek (CZE) 25.14,
 18) Caluori Corsin (SUI) 25.17,
 19) Stelmah Maxim (UKR) 25.24,
 20) Salmenoja Samuli (FIN) 25.27,
 21) Nordberg Anders (NOR) 25.36,
 22) Gavrilov Evgueni (RUS) 25.38,
 23) Chitchebakov Aleksandre (RUS) 25.46,
 24) Horacek Michal (CZE) 25.48,
 25) Skrove Martin (NOR) 25.49,
 26) Jørgensen Henrik (DEN) 26.02,
 27) Leumann Andre (SUI) 26.06,
 28) Tichacek Radek (CZE) 26.08,
 29) Ainsoo Dag (EST) 26.10,

30) Modig Johan (SWE) 26.12,
 31) Troeng Mats (SWE) 26.14,
 32) Kullman Marcus (SWE) 26.26,
 33) Horst Ingo (GER) 26.33,
 34) Stachowiak Maciej (POL) 26.35,
 35) Aamand NilsAlbert (NOR) 26.37,
 36) Pasquasy Fabian (BEL) 26.41,
 37) Munck Martin (DEN) 26.55,
 38) Libant Frantisek (SVK) 27.02,
 39) Serini Antonio (ITA) 27.25,
 40) Prinda Lukas (CZE) 27.35,
 41) Rudzitis Rolands (LAT) 27.49,
 42) Jenkins David (GBR) 28.03,
 43) Mateju Michal (CZE) 28.10,
 44) Alexandrov Serguei (RUS) 28.18,
 45) Karner Olle (EST) 28.22,
 46) Patras Igor (SVK) 28.28,
 47) Ranonis Gedeminas (LTU) 28.36,
 48) Bloch Claus (DEN) 28.42,
 49) Rattray Ben (AUS) 28.50,
 50) Suppi Timo (EST) 28.54,
 51) Nomm Marek (EST) 29.13,
 52) Olaru Maricel (ROM) 29.45,
 53) Kolasinski Lukasz (POL) 29.56,
 54) Tas David (HUN) 30.13,
 55) Buselli Francesco (ITA) 30.48,
 56) Hammer Juraj (SVK) 32.26,
 57) Gavrilenko Vitali (UKR) 32.40,
 58) Dittmann Robert (GER) 36.04,
 Disq. Lakanen Jonne (FIN),
 Disq. Salmelin Jarno (FIN),
 Disq. Doubinine Mikhail (RUS)

Classic Distance (11 July)

Women 7, 8 km

1) LUDER Simone (SUI) 53:36,
 2) HEISKANEN Hanna (FIN) 54:42,
 3) HULLIGER Regula (SUI) 56:00,
 4) KUUSELO Riina (FIN) 57:28,
 5) JOHANSSON Jenny (SWE) 57:49,
 6) JURENIKOVA Eva (CZE) 58:04,
 7) HAAPAKOSKI Paula (FIN) 59:02,
 8) MIKSOVA Katerina (CZE) 59:27,
 9) KAZYMOVA Ksenia (RUS) 59:31,
 10) HERREMANS Sofie (BEL) 1:00:21,
 11) FEY Eniko (ROM) 1:00:28,
 12) PERELIAEVA Tatiana (RUS) 1:00:32,
 13) ANNUS Anu (EST) 1:00:33,
 14) ASP Catarina (SWE) 1:00:49,
 15) KOSTYLEVA Tatiana (RUS) 1:01:21,
 16) F HOKSRUD Aasne (NOR) 1:01:53,
 17) PATEJKO Kinga (POL) 1:01:55,
 18) BERNHARD Regula (SUI) 1:02:04,
 19) SMITH Rachel (NZL) 1:02:21,
 20) STARA Zdenka (CZE) 1:03:19,
 21) WEGMUELLER Sara (SUI) 1:03:20,
 22) BIRO Alma (HUN) 1:03:23,
 23) PERBET Audrey (FRA) 1:03:36,
 24) SZIGETI Agnes (HUN) 1:03:41,
 25) KLEMPERE Agita (LAT) 1:04:12,
 26) PAZNOKAITE Rasa (LTU) 1:04:14,
 27) WEEDS Abi (GBR) 1:04:15,
 28) FREDERIKSSON Gabriella (SWE) 1:04:22,
 29) BIGUM Merete (DEN) 1:04:31,
 30) LEOMAN Val,rie (FRA) 1:04:38,
 31) GIGON Michaela (AUT) 1:04:51,
 31) VOSYLIUTE Diana (LTU) 1:04:51,
 33) RANDOJA Mirja (EST) 1:05:08,
 34) PAKKALA Mirkka (FIN) 1:05:12,
 35) JUAN Annick (SUI) 1:05:19,
 36) KARGER Luise (GER) 1:05:28,
 37) MANISSOLLE Chloe (FRA) 1:05:32,
 38) ENGSTRAND Emma (SWE) 1:05:33,
 39) UZULE Agnese (LAT) 1:05:52,
 40) HECZ Katalin (HUN) 1:05:54,
 41) HOILUND Randi (NOR) 1:06:16,
 42) GALL ENIKO (ROM) 1:06:18,
 43) HAUSNER Helene (DEN) 1:06:20,
 44) VARTON Lilian (EST) 1:07:02,
 45) SAMUELSSON Karolina (SWE) 1:07:10,
 46) JUKKOLA Heli (FIN) 1:07:11,
 47) PIETILÄ Eveliina (FIN) 1:07:12,
 48) NORDSTRAND Karine (NOR) 1:07:36,
 49) Miklosova Jana (SVK) 1:07:39,
 50) TUTZER Christine (ITA) 1:07:43,
 51) WILLIAMS Claire (GBR) 1:07:44,
 51) ZSEBEHAZY Eszter (HUN) 1:07:44,
 53) GALKINA Galina (RUS) 1:08:39,
 54) HUSEN Marianne (DEN) 1:09:14,
 55) STEVENSON Jo (GBR) 1:09:34,
 56) SKAMMELSEN Stinne (DEN) 1:09:46,
 57) FILET Pauline (FRA) 1:09:52,
 58) FRISCHI Astrid (SUI) 1:09:54,
 59) FAIRFAX Kirsten (AUS) 1:10:11,
 60) SKOUMALOVA Michaela (CZE) 1:10:20,
 60) BERTAZZO Silvia (ITA) 1:10:20,
 62) KAVIKAS Kaari (EST) 1:10:34,
 63) HUSEN Pernille (DEN) 1:10:47,
 63) DASAL Natalia (POL) 1:10:47,
 65) VORONINA Irina (UKR) 1:10:52,
 66) FRISTAD Ingunn (NOR) 1:11:01,
 67) KLEMPERE Aija (LAT) 1:11:32,
 68) RENAAS Marte (NOR) 1:11:49,
 69) KLECHOVA Vendula (CZE) 1:12:00,
 70) JOHANSSON Christine (SWE) 1:12:45,
 71) PLODOVITOVA Anastassia (RUS) 1:13:44,
 72) KOUZNETSOVA Elizaveta (RUS) 1:13:59,
 73) ASHTON Christine (GBR) 1:14:04,
 74) GEERS Sanna (NED) 1:14:13,
 75) SCARAVONATI Laura (ITA) 1:14:22,
 76) DRESEN Elisa (GER) 1:14:39,
 77) DICKER Emily (BEL) 1:15:17,
 78) WHITEHEAD Jenny (GBR) 1:15:20,
 79) THOMAS Melissa (AUS) 1:15:39,
 80) MULLER Christine (AUT) 1:15:54,
 81) MACUCHOVA Zuzana (CZE) 1:16:18,
 82) GOC Renata (POL) 1:17:09,
 83) ZWIKKER Olga (NED) 1:17:10,
 84) SCHLÖSSER Beate (GER) 1:17:27,
 85) TSONEVA Denitsa (BUL) 1:17:37,
 86) DURCOVA Alena (SVK) 1:17:51,
 87) FARKAS Zsuzsa (HUN) 1:18:27,
 88) MATTICK Anja (GER) 1:18:38,
 89) FAUNER Renate (ITA) 1:18:54,
 90) TREWIN Cassie (AUS) 1:19:09,
 91) NEGOITA Alina Alex (ROM) 1:19:15,
 92) SCHUTJES Elisabeth (BEL) 1:19:37,
 93) BOLYACHEVSKA Oleksandra (UKR) 1:20:11,
 94) MANELYTE Laura (LTU) 1:20:18,

95) MINTY Julia (AUS) 1:20:33,
 96) OEYEN Greet (BEL) 1:20:36,
 97) DITRYCH Lucie (GER) 1:21:11,
 98) WENDLER Wiebke (GER) 1:21:24,
 99) HENSMAN Janine (GBR) 1:21:50,
 100) SMITH Rebecca (NZL) 1:22:27,
 101) NICOLAESCU Ioana (ROM) 1:22:43,
 102) B. CHRISTENSEN Rie (DEN) 1:24:20,
 103) GYALOG Zsuzsa (HUN) 1:24:41,
 104) BLEKEN Anne M (NOR) 1:25:12,
 105) O'DONOVAN Toni (IRL) 1:27:28,
 106) PRIME Emma (AUS) 1:28:50,
 107) MINTY Rebecca (AUS) 1:29:10,
 108) SPAAIUK Maria (UKR) 1:29:23,
 109) COSTA Sara (ITA) 1:29:49,
 110) STANKIEWICZ Malgorzata (POL) 1:29:52,
 111) GLAGOLIC Sasa (CRO) 1:30:09,
 112) VANDERMEULEN Muriel (BEL) 1:30:16,
 113) EISL Andrea (AUT) 1:30:26,
 114) MUSTRA Sonja (CRO) 1:32:16,
 115) BALJEU Anieke (NED) 1:32:23,
 116) Mc DIARMID Andrea (NZL) 1:32:55,
 117) SAKAI Mayumi (JPN) 1:35:03,
 118) JESOVNIK Ana (CRO) 1:35:11,
 119) MAIORRESCU Irena Gabr (ROM) 1:36:40,
 120) BARR Madeleine (NZL) 1:40:17,
 121) MULDER Michele (RSA) 1:40:20,
 122) ISHIKAWA Aya (JPN) 1:41:56,
 123) ALMEIDA Malfalda (POR) 1:46:04,
 124) MARTINEZ Leonor (ESP) 1:52:24,
 125) KONDO Hiroko (JPN) 1:52:52,
 126) PAJARO Maria (ESP) 1:55:57,
 127) ITO Kyoko (JPN) 2:00:26,
 128) GIL Esther (ESP) 2:00:56,
 129) TAKAHASHI Hitomi (JPN) 2:01:08,
 130) GIL Amparo (ESP) 2:06:05,
 131) RUA Rafaela (POR) 2:36:06,
 Disq. HEUNINCKX Sofie (BEL),
 Disq. DIATCHENKO Lesia (UKR),
 Disq. BARANOVA Maria (SVK),
 Disq. VAN OPSTAL Lieke (NED),
 Disq. RINALDI Sabrina (ITA),
 Disq. SABO Angelica E (ROM),
 Disq. MEIN Joanne (IRL)

Men 11,9 km

1) MODIG Johan (SWE) 1:00:51,
 2) LUCAN Vladimir (CZE) 1:03:33,
 3) DAVIDIK Marian (SVK) 1:04:10,
 4) TROENG Mats (SWE) 1:04:28,
 5) ROSTRUP Jorgen (NOR) 1:04:35,
 6) OBERG Per (SWE) 1:05:25,
 7) PILBLAD Jonas (SWE) 1:05:37,
 8) HORACEK Michal (CZE) 1:06:03,
 9) CALUORI Corsin (SUI) 1:06:15,
 10) SALMENOJA Samuli (FIN) 1:07:01,
 11) KOLASINSKI Lukasz (POL) 1:07:28,
 12) HARJU Antti (FIN) 1:08:05,
 13) LEPPÄVUORI Ilkka (FIN) 1:08:06,
 14) OMDAL HansGunnar (NOR) 1:08:09,
 15) LEUMANN Andr (SUI) 1:08:27,
 16) STELMAH Maxim (UKR) 1:08:44,

- 17) PRINDA Lukas (CZE) 1:08:53,
 18) LAKANEN Jonne (FIN) 1:09:04,
 19) PASQUASY Fabian (BEL) 1:09:36,
 20) GAVRILENKO Vitali (UKR) 1:09:48,
 21) GONON Francois (FRA) 1:09:52,
 22) GUNNARSSON Rikard (SWE) 1:10:01,
 23) RANONIS Gedeminas (LTU) 1:10:30,
 24) GRECU Horatiu C (ROM) 1:10:34,
 25) MATEJU Michal (CZE) 1:10:41,
 26) HAMALISTO Sami (FIN) 1:10:44,
 27) BLOCH Claus (DEN) 1:11:05,
 28) DOUBININE Mikhail (RUS) 1:11:08,
 29) ANDRIUSKEVICIUS Mantas (LTU) 1:11:09,
 30) STACHOWIAK Maciej (POL) 1:11:16,
 31) SALMELIN Jarno (FIN) 1:11:19,
 32) ANDREYEV Mihail (UKR) 1:11:34,
 33) BEZZI Giuseppe (ITA) 1:11:38,
 34) CSERPAK Zsolt (HUN) 1:12:10,
 35) LUBINA Alexander (GER) 1:12:31,
 36) NOMM Marek (EST) 1:12:43,
 37) AAMAND NilsAlbert (NOR) 1:13:33,
 38) NIELSEN Christian (DEN) 1:13:35,
 39) BERNARD Christoph (BEL) 1:13:53,
 40) CECH Radek (CZE) 1:14:03,
 41) JØRGENSEN Henrik (DEN) 1:14:04,
 42) BAGINSKAS Marius (LTU) 1:14:07,
 43) GUEORGIOU Thierry (FRA) 1:14:21,
 44) KARNER Olle (EST) 1:14:47,
 45) BUSELLI Francesco (ITA) 1:14:54,
 46) TICHACEK Radek (CZE) 1:15:06,
 47) KRAAS Andreas (EST) 1:15:21,
 48) GAVILOV Evgueni (RUS) 1:15:34,
 49) BALJEU Erik (NED) 1:15:37,
 50) PATRAS Igor (SVK) 1:15:38,
 51) HORST Ingo (GER) 1:15:43,
 52) STUDER Beat (SUI) 1:15:59,
 53) BREITSCHÖDEL Thobias (AUT) 1:16:37,
 54) SQUIRE Anthony (GBR) 1:16:52,
 55) KLAUSER Hubert (SUI) 1:16:56,
 56) KULLMAN Marcus (SWE) 1:17:09,
 57) EENSAAR Silver (EST) 1:17:28,
 58) BLOZE Gintautas (LTU) 1:17:34,
 59) OLARU Maricel (ROM) 1:17:36,
 60) GRASSI Paolo Mari (ITA) 1:17:54,
 61) BENTZ Felix (SUI) 1:17:59,
 62) KALNINS Reinis (LAT) 1:18:05,
 63) DAHL Kjetil (NOR) 1:18:07,
 64) MUNCK Martin (DEN) 1:18:09,
 65) KOUDRIAVYI Pavel (RUS) 1:18:22,
 66) VAJDA Zsolt (HUN) 1:18:23,
 67) ZAZGORNİK Jan (AUT) 1:18:47,
 68) FELDMANN Robert (SUI) 1:18:53,
 69) BREITSCHÖDEL Felix (AUT) 1:19:00,
 70) MAHONEY Doug (CAN) 1:19:05,
 71) CHTCHERBAKOV Alexandre (RUS) 1:19:20,
 72) TAMOSIUNAS Tomas (LTU) 1:19:24,
 73) RATRAY Ben (AUS) 1:19:30,
 74) LIBANT Frantisek (SVK) 1:19:33,
 75) BALA Radoslaw (POL) 1:19:39,
 76) SKROVE Martin (NOR) 1:19:46,
 77) SABO Mikulas (SVK) 1:19:50,
 78) MYHRREN John Are (NED) 1:20:19,
 79) SIMKENS Geert (BEL) 1:20:26,
 80) FRIEDRICH Gabor (HUN) 1:20:35,
 81) FINK Bernhard (AUT) 1:21:12,
 82) VENON Loic (FRA) 1:21:26,
 83) WALKER Jr Ken (USA) 1:21:51,
 84) HAMMER Juraj (SVK) 1:22:00,
 85) SERINI Antonio (ITA) 1:22:01,
 86) SHEPHERD David (AUS) 1:22:02,
 87) DOVZHENKO Mykola (UKR) 1:22:12,
 88) DITTMANN Robert (GER) 1:22:13,
 89) NORDBERG Anders (NOR) 1:22:21,
 90) GALINDOMS Austris (LAT) 1:22:41,
 91) GLOWACKI Michel (NZL) 1:23:09,
 92) PARZEWSKI Michal (POL) 1:23:20,
 93) PEYVEL Benoît (FRA) 1:23:37,
 94) MILLS Fraser (NZL) 1:23:52,
 95) SCHÖENE Martin (GER) 1:23:58,
 96) TENANI Alessio (ITA) 1:24:12,
 97) ORNSHOLT Kristian (DEN) 1:24:28,
 98) VLIEGEN Eric (BEL) 1:24:56,
 99) SUPPI Timo (EST) 1:25:06,
 100) DURKIN Dmitro (UKR) 1:25:15,
 101) FURTNER Istvan (HUN) 1:25:16,
 102) GODFREE Chris (GBR) 1:26:02,
 103) GIGON Christian (AUT) 1:26:10,
 104) JENKINS David (GBR) 1:26:16,
 105) LAKI Balazs (HUN) 1:26:21,
 106) DOROBANTU Florin A. (ROM) 1:27:07,
 107) OGURCAK Jaroslav (SVK) 1:27:45,
 108) TAS David (HUN) 1:28:37,
 109) LEGAT Peter (GER) 1:28:38,
 110) PRESTON Rob (AUS) 1:28:43,
 111) CALABRO Lorenzo (AUS) 1:28:45,
 112) KANETA Ryotaro (JPN) 1:28:57,
 113) NASH Ed (GBR) 1:29:00,
 114) ISHII Yasuaki (JPN) 1:30:18,
 115) de HAAS Troy (AUS) 1:30:43,
 116) CASAL Roger (ESP) 1:30:56,
 117) SCHULZ Ben (AUS) 1:31:01,
 118) KARGER Wieland (GER) 1:31:13,
 119) SARTORI Michele (ITA) 1:31:26,
 120) UENO Daigo (JPN) 1:31:31,
 121) GAMBERGER Marko (CRO) 1:32:02,
 122) SPENCE Chad (CAN) 1:32:14,
 123) FABIJANIC Daniel (CRO) 1:32:52,
 124) HUDSON Mark (NZL) 1:34:23,
 125) DEFERM Sam (BEL) 1:34:41,
 126) EDWARDS Brent (NZL) 1:34:47,
 127) ONODA Yusuke (JPN) 1:34:55,
 128) DELOBEL Bart (BEL) 1:35:20,
 129) OLIVEIRA Bruno (POR) 1:35:58,
 130) ALON Tamir (ISR) 1:37:08,
 131) AINSOO Dag (EST) 1:37:28,
 132) COHEN Zach (ISR) 1:37:39,
 133) BOBACH Claus (DEN) 1:37:56,
 134) ESPINO Carlos (ESP) 1:38:00,
 135) HOHENWARTER Michael (AUT) 1:41:20,
 136) BARR Stu (NZL) 1:41:27,
 137) SHINOHARA Takeo (JPN) 1:44:38,
 138) BARRY Connor (IRL) 1:44:51,
 139) GONCALVES Bruno (POR) 1:46:30,
 140) INNES Mark (CAN) 1:47:51,
 141) LOCKINGTON Ian (IRL) 1:49:12,
 142) KANAYA Toshiyuki (JPN) 1:52:16,
 143) MULDER Nicholas (RSA) 1:52:22,
 144) SWINKELS Arno (NED) 1:53:32,
 145) YANIV Oren (ISR) 1:55:57,
 146) MELZ Avi (ISR) 1:56:59,
 147) HAVEMANN Andrew (RSA) 2:01:36,
 148) LARA Raul (ESP) 2:02:47,
 149) FILIPE Daniel (POR) 2:04:40,
 150) LEGAC Lino (CRO) 2:05:54,
 151) TOT Nikola (CRO) 2:07:17,
 152) ALMEIDA ANTONIO (POR) 2:32:26,
 Disq. HART Tom (GBR),
 Disq. GOULD Sigmund (GBR),
 Disq. DRAVITSKY Karl (NZL),
 Disq. RUDZITIS Rolands (LAT),
 Disq. ALEXANDROV Serguei (RUS),
 Disq. SIDIARENKO Jakov (UKR),
 Disq. JIMINEZ Pedro (ESP)

Relay (12 July)

Women

- 1) SWE 1 (Engstrand Emma, Johansson Jenny, Asp Catarina) 2:06.59,
 2) CZE 2 (Macuchova Zuzana, Klechova Vendula, Skoumalova Michaela) 2:10.47,
 3) SUI 1 (Wegmueller Sara, Hulliger Regula, Luder Simone) 2:11.33,
 4) RUS 2 (Plodovitova Anastass, Kouznetsova Elizavet, Galkina Galina) 2:16.23,
 5) FIN 1 (Kuuselo Riina, Jukkola Heli, Heiskanen Hanna) 2:17.17,
 6) NOR 1 (Nordstrand Karine, Hoiland Randi, F Hoksrud Aasne) 2:17.32,
 7) EST (Annus Anu, Varton Lilian, Randoja Mirja) 2:21.11,
 8) HUN 1 (Zsebehazy Eszter, Szigeti Agnes, Hecz Katalin) 2:25.05,
 9) UKR (Diatchenko Lesia, Voronina Irina, Spaiuk Maria) 2:29.35,
 10) GER 1 (Mattick Anja, Karger Luise, Schlösser Beate) 2:29.47,
 11) GBR 1 (Stevenson Jo, Williams Claire, Weeds Abi) 2:31.15,
 12) ROM 2 (Negoita Alina Alex, Gall Eniko, Fey Eniko) 2:31.24,
 13) FRA (Perbet Audrey, Manissolle Chloe, Leoman Valerie) 2:31.29,
 14) DEN 2 (Skammelsen Stinne, Husen Pernille, B. Christensen Rie) 2:31.37,
 15) SVK (Miklusova Jana, Baranova Maria, Durcova Alena) 2:33.19,
 16) AUT (Eisl Andrea, Muller Christine, Gigon Michaela) 2:33.33,
 17) BEL 1 (Herremans Sofie, Dicker Emily, Schutjes Elisabeth) 2:36.35,
 18) ITA 1 (Bertazzo Silvia, Scaravonati Laura, Tutzer Christine) 2:38.09,
 19) NED (Geers Sanna, Zwikker Olga, Van Opstal Lieke) 2:38.24,
 20) LAT (Klempere Agita, Uzule Agnese, Klempere Aija) 2:39.10,
 21) NZL (Smith Rachel, Smith Rebecca, Barr Madeleine) 2:39.40,
 22) LTU (Manelyte Laura, Paznokaite Rasa, Vosyliute Diana) 2:46.33,
 23) AUS 1 (Trewin Cassie, Fairfax Kirsten, Minty

Julia) 2:50.03,
 24) CRO (Musta Sonja, Glagolic Sasa, Jesovnik Ana) 3:18.53,
 25) JPN 1 (Sakai Mayumi, Kondo Hiroko, Ishikawa Aya) 3:19.34,
 26) SWE 2 (Johansson Christine, Samuelsson Karolina, Frederiksson Gabriel) 2:11.01,
 27) SUI 2 (Juan Annick, Frischi Astrid, Bernhard Regula) 2:16.49,
 28) CZE 1 (Stara Zdenka, Miksova Katerina, Jurenikova Eva) 2:19.06,
 29) RUS 1 (Kostyleva Tatiana, Kazymova Ksenia, Pereliaeva Tatiana) 2:21.01,
 30) FIN 2 (Haapakoski Paula, Pietila Eveliina, Pakkala Mirkka) 2:25.04,
 31) GER 2 (Wendler Wiebke, Ditrych Lucie, Dresen Elisa) 2:31.35,
 32) HUN 2 (Biro Alma, Farkas Zsuzsa, Gyalog Zsuzsa) 2:35.25,
 33) DEN 1 (Husen Marianne, Hausner Helene, Bigum Merete) 2:37.19,
 34) GBR 2 (Ashton Christine, Hensman Janine, Whitehead Jenny) 2:38.09,
 35) ROM 1 (Nicolaescu Ioana, Sabo Angelica E, Maiorrescu Irena Gab) 2:42.37,
 36) BEL 2 (Heuninckx Sofie, Vandermeulen Muriel, Oeyen Greet) 2:45.15,
 37) FRA-POL-UKR (Filet Pauline, Goc Renata, Bolyachevskia Oleksan) 2:49.29,
 38) AUS 2 (Minty Rebecca, Thomas Melissa, Prime Emma) 2:52.03,
 39) ITA-ITA-EST (Rinaldi Sabrina, Costa Sara, Kavikas Kaari) 2:53.23,
 40) BUL-JPN-JPN (Tsoneva Denitsa, Ito Kyoko, Takahashi Hitomi) 3:19.46,
 Disq. POL (Stankiewicz Malgorza, Patejko Kinga, Dasal Natalia) 2:24.36,
 Disq. ESP (Gil Esther, Gil Amparo, Pajaro Maria) 3:06.00,
 Disq. POR-POR-ESP (Rua Rafaela, Almeida Malfalda, Martinez Leonor) 3:47.30

Men

1) SWE 1 (Pilblad Jonas, Modig Johan, Oberg Per) 2:09.42,
 2) CZE 1. (Prinda Lukas, Horacek Michal, Lucan Vladimir) 2:14.34,
 3) SVK 1 (Libant Frantisek, Patras Igor, Davidik Marian) 2:14.51,
 4) NOR1 (Nordberg Anders, Omdal Hans Gunnar, Rostrup Jorgen) 2:14.55,
 5) UKR 1 (Sidiarenko Jakov, Gavrilenko Vitali, Stelmah Maxim) 2:14.58,
 6) FIN 1 (Salmenoja Samuli, Lakanen Jonne, Leppavuori Ilkka) 2:15.31,
 7) SUI 1 (Feldmann Robert, Caluori Corsin, Klauser Hubert) 2:16.09,
 8) GER 1 (Lubina Alexander, Legat Peter, Horst Ingo) 2:18.20,
 9) LTU (Andriuskevicius Mantas, Bloze Gintautas, Ranonis Gediminas) 2:18.23,
 10) DEN 1 (Bobach Claus, Jorgensen Henrik, Bloch Claus) 2:19.29,
 11) EST 1 (Kraas Andreas, Nomm Marek, Karner Olle) 2:19.37,
 12) HUN 1 (Tas David, Vajda Zsolt, Cserpak Zsolt) 2:23.02,
 13) GBR (Jenkins David, Squire Anthony,

Gould Sigmund) 2:23.06,
 14) FRA (Gonon Francois, Peyvel Benoit, Gueorgiou Thierry) 2:23.22,
 15) RUS 1 (Gavilov Evgueni, Doubinine Mikhail, Chtcherbakov Alexand) 2:25.46,
 16) BEL 1 (Pasquasy Fabian, Simkens Geert, Bernard Christoph) 2:27.00,
 17) ROM (Olaru Maricel, Dorobantu Florin A., Grecu Horatiu C) 2:27.17,
 18) AUT 1 (Breitschadel Felix, Zazgornik Jan, Breitschadel Thobias) 2:28.19,
 19) ITA 1 (Grassi Paolo, Mari Buselli Francesco, Bezzi Giuseppe) 2:29.41,
 20) AUS 2 (Ratray Ben, Shepherd David, De Haas Troy) 2:31.05,
 21) LAT (Kalnins Reinis, Rudzitis Rolands, Galindoms Austris) 2:36.58,
 22) NZL 1 (Mills Fraser, Glowacki Michel, Edwards Brent) 2:44.17,
 23) CAN (Mahoney Doug, Innes Mark, Donaldson Dave) 2:50.47,
 24) JPN 1 (Kaneta Ryotaro, Ishii Yasuaki, Ueno Daigo) 2:52.14,
 25) NED (Myhrren John Are, Swinkels Arno, Baljeu Erik) 2:55.56,
 26) ISR (Cohen Zach, Melz Avi, Alon Tamir) 2:59.54,
 27) ESP (Jimenez Pedro, Espino Carlos, Casal Roger) 3:04.25,
 28) POR (Filipe Daniel, Oliveira Bruno, Goncalves Bruno) 3:08.11,
 29) CRO (Fabijanic Daniel, Gamberger Marko, Legac Lino) 3:33.47,
 30) SWE 2 (Kullman Marcus, Troeng Mats, Gunnarsson Rikard) 2:12.33,
 31) SUI 2 (Studer Beat, Bentz Felix, Leumann Andre) 2:18.55,
 32) CZE 2 (Cech Radek, Mateju Michal, Tichacek Radek) 2:21.48,
 33) LTU-LTU-FRA (Tamosiunas Tomas, Baginskas Marius, Venon Loic) 2:23.48,
 34) DEN 2 (Munck Martin, Ornsholt Kristian, Nielsen Christian) 2:27.04,
 35) FIN 2 (Hamalisto Sami, Salmelin Jarno, Harju Antti) 2:28.05,
 36) RUS-RUS-POL (Koudriavyi Pavel, Alexandrov Serguei, Parzewski Michal) 2:28.48,
 37) GBR 2 (Hart Tom, Godfree Chris, Nash Ed) 2:31.19,
 38) SVK 2 (Ogurcak Jaroslav, Sabo Mikulas, Hammer Juraj) 2:31.58,
 39) UKR 2 (Andreyev Mihail, Dovzhenko Mykola, Durkin Dmitro) 2:35.03,
 40) BEL 2 (Vliegen Eric, Deferm Sam, Delobel Bart) 2:38.47,
 41) ITA 2 (Serini Antonio, Sartori Michele, Tenani Alessio) 2:44.44,
 42) AUT 2 (Fink Bernhard, Hohenwarter Michael, Gigon Christian) 2:47.03,
 43) HUN 2 (Furtner Istvan, Laki Balazs, Friedrich Gabor) 2:49.32,
 44) IRL-IRL-CAN (Barry Connor, Lockington Ian, Spence Chad) 3:05.05,
 45) RSA-USA-ISR (Mulder Nicholas, Walker Jr, Ken Yaniv Oren) 3:06.02,
 46) JPN 2 (Onoda Yusuke, Kanaya Toshiyuki, Shinohara Takeo) 3:20.59

Veteran World Cup in foot-orienteeing: Minnesota, USA (29 September - 4 October)

Women

W90A

1) Paananen Kaarina (SWE) 2:38.02

W85A

1) Crawford Ruth (USA) DNF,

W80A

1) Lowdin Inga (SWE) 0.57.43

W75A

1) Andersson Astrid (SWE) 0.43.42,
 2) Finke Luise (GER) 0.50.56,
 3) Andersson Gertrud (SWE) 0.52.40

W70A

1) Reth Karin (SWE) 0.43.23,
 2) Nieminen Sole (FIN) 0.44.25,
 3) Lindberg Anna (SWE) 0.46.03

W65A

1) Bergström Maja-Lisa (SWE) 0.43.55,
 2) Adrian Kerstin (SWE) 0.44.38,
 3) Ek Clarie (SWE) 0.44.52

W60A

1) Olsson-Steen Eivor (SWE) 0.43.26,
 2) Vamnes Inger E. (NOR) 0.49.46,
 3) Seip Tirill Liby (NOR) 0.50.29

W55A

1) von Heine Eva (SWE) 0.40.51,
 2) Norberg Ulla (SWE) 0.43.17,
 3) Thompson Jenny (GBR) 0.43.57

W50A

1) Crawford Sharon (USA) 0.51.35,
 2) Aspin Patrica (NZL) 0.52.33,
 3) Bergman Gunilla (SWE) 0.54.08

W45A

1) Laine Irmeli (FIN) 0.46.22,
 2) McBride Beatrice (USA) 0.56.07,
 3) Kauppinen Kyllikki (FIN) 0.57.18

W40A

1) Bojko Tatiana (UKR) 0.54.14,
 2) Sporild Kjellrun (NOR) 0.54.54,
 3) Fantova Libuse (CZE) 0.58.41

W35A

1) Somers-Cocks Charlotte (GBR) 1.09.47,
 2) Viirmann Marje (EST) 1.11.26,
 3) Bengtsson Britt-Mari (SWE) 1.12.53

Men

M90A

- 1) Lindkvist Arthur (SWE) 0.50.46

M85A

- 1) Jaaskelainen Tauno (FIN) 1.00.52

M80A

- 1) Fridell Eskil (SWE) 1.06.55,
- 2) Widman Sven (SWE) 1.13.24,
- 3) Johansson Sigvard (SWE) 1.18.49

M75A

- 1) Johansson Gunnar (SWE) 0.48.59,
- 2) Zackari Sten (SWE) 0.51.01,
- 3) Johansson Tage (SWE) 0.55.40

M70A

- 1) Imark Arvid (SWE) 0.53.28,
- 2) Majoinen Arvo (FIN) 0.54.31,
- 3) Borg Bengt (SWE) 0.56.30

M65A

- 1) Pystynen Paavo (FIN) 0.43.12,
- 2) Aronsson Stig (SWE) 0.44.52,
- 3) Salmenkyla Juhani (FIN) 0.46.41

M60A

- 1) Nisula Alpo (FIN) 0.48.01,
- 2) Puusaari Kalevi (FIN) 0.48.39,
- 3) Rasmussen Tore S. (NOR) 0.49.06

M55A

- 1) Härjung Bengt (SWE) 0.54.05,
- 2) Berge Stig (NOR) 0.54.47,
- 3) Franko Stanislav (SLO) 0.55.18

M50A

- 1) Gagarin Peter (USA) 0.57.31,
- 2) Holm Per (NOR) 0.59.29,
- 3) Jokinen Leo (FIN) 1.00.20

M45A

- 1) Karlsen Tom A. (NOR) 0.59.44,
- 2) Jacobsen Svein S. (NOR) 1.01.43,
- 3) Paivanranta Pertti (FIN) 1.02.09

M40A

- 1) Nilsson Per (SWE) 1.01.36,
- 2) Dalby Morten (NOR) 1.01.47,
- 3) de St Croix Ted (CAN) 1.04.00

M35A

- 1) Musgrave Jonathan (SCO) 1.08.01,
- 2) Hederskog Tord (SWE) 1.10.22,
- 3) Kopland Jens-Kristian (NOR) 1.11.34

World Cup 1997 in Ski Orienteering - Final Standings

Event 1 and 2 - Orsa Grönklitt, Sweden, Long Distance on 9 January and Short Distance on 11 January

Event 3 - Windischgarstner Tal, Austria, 27 January (Short Distance)

Event 4 and 5 - Nove Mesto na Morave, Czech Republic, Long Distance on 30 January and Short Distance on 1 February

Event 6 - Syktyvkar, Russia, 2 March (Long Distance)

Event 7 and 8 - Krasnojarsk, Russia, Long Distance on 6 March and Short Distance on 8 March

Men

Place and Name	Nat.	1 SWE	2 SWE	3 AUS	4 CZE	5 CZE	6 RUS	7 RUS	8 RUS	Total
1 Vesa Mäkipää	FIN	27	37	31	35	35	33	35	37	179
2 Pekka Varis	FIN	37	40	28	33	40	11	-	-	178
3 Bertil Nordqvist	SWE	29	19	37	37	33	40	29	30	177
4 Raino Pesu	FIN	40	33	25	31	29	21	28	35	168
5 Björn Lans	SWE	28	7	33	19	31	31	33	40	168
6 Vladislav Kormstchikov	RUS	31	25	35	22	27	27	40	33	166
7 Kalle Junnikkala	FIN	-	-	40	4	28	35	25	28	156
8 Claes Turesson	SWE	35	31	14	7	24	19	30	29	149
9 Nicolo Corradini	ITA	26	3	29	40	9	6	31	22	148
10 Viktor Kortchagin	RUS	22	30	27	29	-	37	22	16	145
11 Pär-Ove Bergquist	SWE	-	15	30	26	37	29	20	21	143
12 Matti Keskinarkaus	FIN	33	35	26	5	27	20	21	20	142
13 Lars Lystad	NOR	6	22	20	24	25	30	27	31	137
14 Arto Lilja	FIN	30	29	22	30	21	9	23	19	134
15 Nikolai Bondar	RUS	2	25	19	-	16	28	37	23	132
16 Jonas Jonsson	SWE	25	15	24	28	19	16	24	12	120
17 Jan Pecka	CZE	18	19	13	27	30	24	11	13	119
18 Raul Kudre	EST	24	29	13	21	17	22	-	-	113
19 Sergei Komlev	RUS	13	26	17	25	5	26	18	17	112
20 Andreas M. Edvardsen	NOR	17	-	11	11	23	18	16	27	101
21 Anatoli Krilov	RUS	7	13	10	17	-	25	19	25	99
22 Eduard Khrennikov	RUS	-	-	16	-	3	23	26	26	94
23 Nerijus Sulcys	LIT	12	20	23	8	22	5	12	17	94
24 Tommy Olsen	NOR	21	23	-	23	7	10	-	15	92
25 Mikael Lindmark	SWE	8	27	19	9	15	17	-	-	87
26 Luigi Girardi	ITA	11	5	9	20	12	13	7	25	81
27 Ander Ojandu	EST	16	16	21	13	2	15	-	-	80
28 Jakub Vodrazka	CZE	19	-	5	-	21	14	14	9	76
29 Anders Hauge	NOR	9	17	15	-	18	-	-	-	59
30 Luc Beguin	SUI	-	-	8	16	14	3	13	5	56
31 Walter Seber	ITA	-	-	-	14	9	7	9	7	46
32 Anders Garfve	SWE	23	21	-	-	-	-	-	-	44
33 Lukas Stoffel	SUI	-	2	6	-	6	8	15	8	43
34 Milan Venhoda	CZE	1	10	-	18	13	-	-	-	42
35 Jaroslav Rygl	CZE	3	11	-	15	12	-	-	-	41
36 Andrei Nosov	RUS	-	-	-	-	-	12	18	10	40
37 Morten Eliassen	NOR	16	6	2	2	4	-	-	-	30
38 Pör Höök	SWE	14	12	-	-	-	-	-	-	26
39 Alexander Otinov	RUS	-	-	-	-	-	-	8	15	23
40 Jan Beguin	SUI	-	-	-	6	1	-	10	6	23
41 Vladimir Krilov	RUS	20	-	-	-	-	-	-	-	20
42 Jan Lauerman	CZE	-	-	-	10	10	-	-	-	20
43 Jukka Lanki	FIN	10	9	-	-	-	-	-	-	19
44 Manfred Winter	AUT	-	-	3	12	-	-	-	-	15
45 Andreas Bauer	AUT	-	8	7	-	-	-	-	-	15
46 Christian Faoro	ITA	-	-	1	-	-	4	6	2	13
47 Mika Kulmala	FIN	-	-	-	-	-	-	-	11	11
48 Remigijus Arlauskas	LTU	-	-	-	-	-	2	4	4	10
49 Christian Hohl	SUI	-	-	-	-	-	-	5	3	8
50 Peter Fredricsson	SWE	5	-	-	-	-	-	-	-	5
51 Falk Höhnle	GER	4	2	-	-	-	-	-	-	5
52 Peter Mosiman	SUI	-	-	4	-	-	-	-	-	4
53 Jan Vrestal	CZE	-	-	-	3	-	-	-	-	3
53 Thierrey Jeanneret	SUI	-	-	-	-	-	-	3	-	3
55 Philippe Jeanneret	SUI	-	-	-	-	-	-	2	-	2
56 Miroslav Seidl	CZE	-	-	-	1	-	-	-	-	1
56 Egor Sorokin	RUS	-	-	-	-	-	1	-	-	1
56 Carl Fey	USA	-	-	-	-	-	-	1	-	1
56 Olivier Villars	SUI	-	-	-	-	-	-	-	1	1

Women

Place and Name	Nat.	1 SWE	2 SWE	3 AUS	4 CZE	5 CZE	6 RUS	7 RUS	8 RUS	Total
1 Hilde G. Pedersen	NOR	31	27	40	37	35	35	40	40	192
2 Liisa Anttila	FIN	40	31	37	40	40	-	-	-	188
3 Terhi Holster	FIN	35	40	31	33	30	33	24	33	174
4 Valborg Madslien	NOR	26	35	33	26	37	23	25	28	159
5 Mervi Anttila	FIN	24	37	28	30	1	28	30	31	156
6 Svetlana Khaustova	RUS	21	13	25	24	25	30	37	37	154
7 Mall Alev	EST	37	24	35	29	26	-	-	-	151
8 Arja Nuolioja	FIN	28	33	30	25	31	19	23	29	151
9 Lena Hasselström	SWE	33	30	27	27	33	-	-	-	150
10 Natalia Frei	RUS	27	20	20	23	28	29	28	35	147
11 Tatjana Naumova	RUS	10	23	12	22	20	37	35	26	143
12 Arja Hannus	SWE	30	22	26	35	19	-	-	-	132
13 Oksana Isavnina	RUS	-	-	11	19	-	40	33	25	128
14 Ulrica Swärd	SWE	19	28	10	21	4	24	26	24	123
15 Ann-Charlotte Carlsson	SWE	20	21	23	31	27	-	-	-	122
16 Hanne Sletner	NOR	25	19	29	11	24	21	19	19	118
17 Hanna Kosonen	FIN	23	3	-	-	-	31	31	22	110
18 Annika Björk	SWE	-	8	5	17	22	27	20	24	110
19 Maret Vaher	EST	6	29	23	28	21	-	-	-	107
20 Elena Kapitonova	RUS	17	14	7	10	16	26	18	27	104
21 Ekaterina Petrova	RUS	18	18	18	9	13	25	22	20	103
22 Susanne Petersson	SWE	22	27	17	5	18	-	-	-	89
23 Laura Bettiga	ITA	-	4	21	2	-	17	27	18	87
24 Anu Flöjt	FIN	-	-	24	20	29	-	-	-	73
25 Ruth Vaher	EST	16	11	13	18	15	-	-	-	73
26 Stine H. Kirkevik	NOR	15	16	8	8	23	-	-	-	70
27 Irina Onischenko	RUS	-	-	-	-	-	-	29	30	59
28 Mervi Väisänen	FIN	29	25	-	-	-	-	-	-	54
29 Claire-Lise Chiffelle	SUI	-	-	6	6	6	18	-	17	53
30 Hana Ryglova	CZE	12	2	9	13	17	-	-	-	52
31 Jolanta Vosyliute	LTU	-	-	4	14	10	-	-	-	45
32 Natalia Tomilova	RUS	-	-	-	-	-	-	21	21	42
33 Terhi Hämäläinen	FIN	-	-	19	7	14	-	-	-	40
34 Tereza Kucharova	CZE	3	-	15	15	5	-	-	-	38
35 Barbora Chudikova	CZE	-	7	-	16	12	-	-	-	36
36 Kristin Hasle	NOR	14	17	-	-	-	-	-	-	31
37 Ramune Arlauskienė	LTU	7	15	1	-	7	-	-	-	30
38 Katarina Kralova	SVK	-	-	14	-	11	-	-	-	25
39 Lenka Razkova	CZE	5	-	-	12	8	-	-	-	25
40 Natalia Naumova	RUS	-	-	-	-	-	22	-	-	22
41 Anna Fadeeva	RUS	-	-	-	-	-	20	-	-	20
42 Anne M. Haugen	NOR	8	10	-	-	-	-	-	-	18
43 Katrin Renger	GER	-	-	16	-	-	-	-	-	16
44 Vilma Rudzenskaite	LTU	4	9	-	1	2	-	-	-	16
45 Anna K. Segerlund	SWE	13	1	-	-	-	-	-	-	14
46 Olga Borozova	RUS	2	12	-	-	-	-	-	-	14
47 Ingela Pettersson	SWE	9	5	-	-	-	-	-	-	14
48 Jana Souckova	CZE	-	-	-	4	9	-	-	-	13
49 Zsuzsa Fey	ROM	-	-	2	3	3	-	-	-	8
50 Mirka Seidlova	SVK	-	-	3	-	-	-	-	-	3

World Cup 1997 in Ski Orienteering - Final Relay Standings

Relay 1 - Orsa Grönklitt, Sweden, 12 January

Relay 2 - Windischgarstner Tal, Austria, 28 January

Relay 3 - Syktyvkar, Russia, 3 March

Women

Nation	1 SWE	2 AUS	3 RUS	Total	Place
FIN	20	(17)	20	40	1
NOR	17	20	(15)	37	2
RUS	(10)	15	17	32	3
EST	15	11	0	26	4
SWE	13	13	0	26	5
CZE	9	10	0	19	6
LTU	11	0	0	11	7
SUI	0	9	0	9	8
SVK	0	8	0	8	9
GER	0	7	0	7	10
AUS	0	6	0	6	11
ROM	0	5	0	5	12

Men

Nation	1 SWE	2 AUS	3 RUS	Total	Place
SWE	(17)	20	20	40	1
FIN	20	17	(15)	37	2
RUS	15	(13)	17	32	3
ITA	(11)	15	13	28	4
NOR	13	(11)	11	24	5
EST	10	0	10	20	6
SUI	(8)	9	9	18	7
CZE	9	8	0	17	8
AUS	6	10	0	16	9
FRA	7	7	0	14	10
JPN	4	4	0	8	11
SVK	0	8	0	8	12
AUT	3	3	0	6	13
GER	5	0	0	5	14
ROM	0	5	0	5	14

IOF Events in 1998

WOC in ski-orienteeing: Windischgarsten, Austria (19-25 January)

Short Distance (21 January)

Women 8,6 km

- 1) Annika Zel I (SWE) 46:06,
- 2) Hasselström Lena (SWE) 47:02,
- 3) Anttila Liisa (FIN) 47:17,
- 4) Hannus Arja (SWE) 47:28,
- 5) Khaustova Svetlana (RUS) 48:14,
- 6) Holster Terhi (FIN) 48:58,
- 7) Naumova Tatiana (RUS) 49:30,
- 8) Sletner Hanne (NOR) 50:17,
- 9) Alev Mall (EST) 51:46,
- 10) Carlsson Ann-Charlotte (SWE) 52:13,
- 11) Frei Natalia (RUS) 52:20,
- 12) Anttila Mervi (FIN) 52:46,
- 13) Kosonen Hanna (FIN) 53:03,
- 14) Pedersen Hilde G. (NOR) 54:56,
- 15) Kirkevik Stine H. (NOR) 56:13,
- 16) Vaher Maret (EST) 57:08,
- 17) Madslie Valborg (NOR) 57:34,
- 18) Kucharova Tereza (CZE) 58:46,
- 19) Rudzenskaite Vilma (LIT) 58:51,
- 20) Vaher Ruth (EST) 59:23,
- 21) Bornhak Antje (GER) 60:54,
- 22) Ryglova Hana (CZE) 60:56,
- 23) Bettiga Laura (ITA) 61:53,
- 24) Arlauskienė Ramune (LIT) 63:16,
- 25) Chudikova Barbora (CZE) 63:45,
- 26) Iff Barbara (SUI) 64:21,
- 27) Vosyliute Jolanta (LIT) 64:37,
- 28) Renger Katrin (GER) 66:20,
- 29) Nuolioja Arja (FIN) 66:21,
- 30) Isavnina Oksana (RUS) 67:25,
- 31) Parakova Maria (SLK) 68:28,
- 32) Naef Pia (SUI) 68:53,
- 33) Rigoni Angela (ITA) 69:26,
- 34) Bader Iris (SUI) 70:09,
- 35) Chiffelle Claire-Lise (SUI) 71:33,
- 36) Slamova Jana (SLK) 73:50,
- 37) Farmer Julie (GBR) 73:54,
- 38) Dura Magdalena (POL) 76:26,
- 39) Kralova Katarina (SLK) 79:44,
- 40) Kotryova Lucia (SLK) 79:57,
- 41) Razkova Lenka (CZE) 80:50,
- 42) Mitkova Milena (BUL) 81:00,
- 43) Sakai Yoshiko (JPN) 83:02,
- 44) Allwinger Judit (HUN) 84:26,
- 45) Hering Anne (GER) 86:25,
- 46) Crawford Sharon (USA) 86:26,
- 47) Hechl Raphaela (AUT) 90:00,
- 48) Kober Monika (AUT) 91:02,
- 49) Belomagieva Stefania (BUL) 93:15,
- 50) Magis Gabrielle (BEL) 94:26,
- 51) Rand Jacquie (AUS) 97:52,
- 52) Urban Katalin (HUN) 97:54,
- 53) Kiue Sanae (JPN) 98:15,
- 54) Andreyskalvelina (BUL) 111:08,

- 55) Csucs Monika (ROM) 112:49,
- 56) Renard Francoise (BEL) 118:23,
- 57) Nagy Orsolya (HUN) 121:56,
- 58) Yamaura Tomoko (JPN) 126:12,
- 59) Purdam Margaret (AUS) 132:07,
- 60) Wathelet Genevieve (BEL) 134:07,
- 61) Pasciak Pam (USA) 136:01,
- 62) Detroux Martine (BEL) 136:08,
- 63) Strnad Sonja (SLO) 157:59,
- 64) Raines Candice (USA) 196:13,
- Disq. Maltscheva Theodora (BUL),
- Disq. Berman Sara Mae (USA)

Men 10,8 km

- 1) Raino Pesu (FIN) 44:30,
- 2) Sulcys Nerijus (LIT) 45:46,
- 3) Ulven Kjetil (NOR) 47:29,
- 4) Korchagin Victor (RUS) 47:50,
- 5) Turesson Claes (SWE) 47:58,
- 6) Lystad Lars (NOR) 48:05,
- 7) Nordquist Bertil (SWE) 48:34,
- 8) Girardi Luigi (ITA) 48:41,
- 9) Olsen Tommy (NOR) 49:02,
- 10) Corradini Nicolo (ITA) 49:19,
- 11) Kudre Raul (EST) 50:01,
- 12) Bondar Nikolai (RUS) 50:10,
- 13) Pecka Jan (CZE) 50:12,
- 14) Junnikkala Kalle (FIN) 50:49,
- 15) Khrennikov Eduard (RUS) 51:01,
- 16) Kugler Johann (AUT) 51:17,
- 16) Mäkipää Vesa (FIN) 51:17,
- 18) Stoffel Lukas (SUI) 51:34,
- 19) Lans Björn (SWE) 52:00,
- 20) Beguin Jan (SUI) 52:32,
- 21) Ojandu Ander (EST) 52:36,
- 22) Persson Ola (SWE) 52:57,
- 23) Kormshtchikov Vladislav (RUS) 53:19,
- 24) Beguin Luc (SUI) 54:17,
- 25) Varis Pekka (FIN) 54:22,
- 26) Zvontsov Igor (BLR) 54:38,
- 27) Lindmark Mikael (SWE) 55:22,
- 28) Männel Harald (GER) 55:32,
- 29) Vodrazka Ondrej (CZE) 58:21,
- 30) Buchtele Markus (AUT) 58:26,
- 31) Kazimieraitis Romas (LIT) 58:28,
- 32) Rygl Jaroslav (CZE) 58:55,
- 33) Hauge Anders (NOR) 59:49,
- 34) Sargan Stefan (SLK) 60:02,
- 35) Hohl Christian (SUI) 60:42,
- 36) Dechavanne Franck (FRA) 60:49,
- 37) Drazdauskas Laimis (LIT) 61:37,
- 38) Seber Walter (ITA) 61:46,
- 39) Arlauskas Remigijus (LIT) 62:20,
- 40) Lescovs Viktors (LAT) 63:56,
- 41) Pleban Scott (USA) 64:00,
- 42) Bernard Pierre (FRA) 64:52,
- 43) Mogg Andreas (AUT) 65:19,
- 44) Navratil Tomas (SLK) 66:02,
- 45) Maruyama Tetsushi (JPN) 66:35,
- 46) Kalniev Todor (BUL) 66:46,
- 47) Bruns Eike (GER) 67:14,
- 48) Kivikas Eero (EST) 67:41,
- 49) Bruns Thilo (GER) 68:11,
- 50) Habenicht Max (AUT) 68:40,
- 51) Kouyama Toshikatsu (JPN) 69:17,
- 52) Kosmacevs Andris (LAT) 75:11,

- 53) Dimitrov Nikolai (BUL) 76:41,
- 54) Andrejevs Dmitrijs (LAT) 78:26,
- 55) Cole Max (GBR) 78:43,
- 56) Mitkov Kostadin (BUL) 78:45,
- 57) Sonnenberg Sergej (GER) 79:16,
- 58) Motoki Satoru (JPN) 83:34,
- 59) Sundquist Jon (USA) 85:31,
- 60) Costantino Larry (USA) 85:48,
- 61) Navratil Rostislav (SLK) 86:11,
- 62) Petkovlvo (BUL) 86:18,
- 63) Csucs Andras (ROM) 92:46,
- 64) Vliegen Erik (BEL) 98:07,
- 65) Cegioka Jan (POL) 99:49,
- 66) Munakata Tatsunori (JPN) 101:41,
- 67) Laugesen Jens (DEN) 102:46,
- 68) Little Hughes (AUS) 109:03,
- 69) Hennes Michael (BEL) 113:13,
- 70) Brackett Gary (USA) 115:35,
- 71) Strnad Stanislav (SLO) 117:36,
- 72) Pavelka Bela (HUN) 140:14,
- 73) Heikoo Mark (NED) 151:40,
- 54) Värton Canter (EST)
- Disq. Lovrec Nenad (CRO),
- Disq. Viguier Fabien (FRA),
- Disq. Faoro Christian (ITA),
- Disq. Mougin Sylvain (FRA),
- Disq. Eyen Pierre (BEL),
- Disq. Patras Andrej (SLK),
- Disq. Vodrazka Jakub (CZE),
- Disq. Wathelet Alain (BEL),

Long Distance (24 January)

Women 15,6 km

- 1) Anttila Liisa (FIN) 1:24:27,
- 2) Zell Annika (SWE) 1:26:42,
- 3) Hasselström Lena (SWE) 1:27:13,
- 4) Hannus Arja (SWE) 1:28:14,
- 5) Frei Natalia (RUS) 1:29:16,
- 6) Khaustova Svetlana (RUS) 1:30:34,
- 7) Alev Mall (EST) 1:32:38,
- 8) Carlsson Ann-Charlotte (SWE) 1:33:35,
- 9) Pedersen Hilde G. (NOR) 1:34:59,
- 10) Rudzenskaite Vilma (LIT) 1:35:58,
- 11) Onishtchenko Irina (RUS) 1:37:50,
- 12) Chudikova Barbora (CZE) 1:38:09,
- 13) Sletner Hanne (NOR) 1:38:15,
- 14) Holster Terhi (FIN) 1:39:08,
- 15) Kosonen Hanna (FIN) 1:39:36,
- 16) Kirkevik Stine H. (NOR) 1:39:42,
- 17) Vaher Maret (EST) 1:40:47,
- 18) Vaher Ruth (EST) 1:41:43,
- 19) Hasle Kristin (NOR) 1:42:03,
- 20) Nuolioja Arja (FIN) 1:42:07,
- 21) Naumova Tatiana (RUS) 1:43:28,
- 22) Segerlund Anna-Karin (SWE) 1:44:56,
- 23) Bettiga Laura (ITA) 1:50:08,
- 24) Kucharova Tereza (CZE) 1:50:14,
- 25) Ryglova Hana (CZE) 1:50:25,
- 26) Arlauskienė Ramune (LIT) 1:51:01,
- 27) Bornhak Antje (GER) 1:51:30,
- 28) Habenicht Regina (AUT) 1:53:04,
- 29) Razkova Lenka (CZE) 1:53:59,
- 29) Kotryova Lucia (SLK) 1:53:59,
- 31) Parakova Maria (SLK) 1:54:12,

32) Vosyliute Jolanta (LIT) 1:54:18,
 33) Iff Barbara (SUI) 1:57:02,
 34) Kralova Katarina (SLK) 1:57:16,
 35) Naef Pia (SUI) 1:57:26,
 36) Renger Katrin (GER) 1:57:29,
 37) Bader Iris (SUI) 1:59:24,
 38) Farmer Julie (GBR) 2:01:33,
 39) Rigoni Angela (ITA) 2:03:26,
 40) Belomagieva Stefania (BUL) 2:05:07,
 41) Hering Anne (GER) 2:06:39,
 42) Lauenstein Janine (SUI) 2:07:18,
 43) Slamova Jana (SLK) 2:10:36,
 44) Mitkova Milena (BUL) 2:12:22,
 45) Rand Jacquie (AUS) 2:22:11,
 46) Urban Katalin (HUN) 2:24:37,
 47) Allwinger Judit (HUN) 2:25:09,
 48) Kober Monika (AUT) 2:27:18,
 49) Renard Francoise (BEL) 2:33:15,
 50) Crawford Sharon (USA) 2:34:31,
 51) Sakai Yoshiko (JPN) 2:35:04,
 52) Magis Gabrielle (BEL) 2:37:28,
 53) Kue Sanae (JPN) 2:38:58,
 54) Nagy Orsolya (HUN) 2:40:32,
 55) Pasciak Pam (USA) 2:47:34,
 56) Andreyskalvelina (BUL) 2:50:38,
 57) Detroux Martine (BEL) 3:15:46,
 58) Wathelet Genevieve (BEL) 3:22:33,
 59) Yamaura Tomoko (JPN) 3:22:40,
 60) Purdam Margaret (AUS) 3:27:15,
 61) Raines Candice (USA) 4:50:23,
 Disq. Strnad Sonja (SLO),
 Disq. Csucs Monika (ROM),
 Disq. Maltscheva Theodora (BUL),
 Disq. Dura Magdalena (POL)

Men 21 km

1) Korchagin Victor (RUS) 1:20:38,
 2) Varis Pekka (FIN) 1:20:49,
 3) Corradini Nicolo (ITA) 1:20:50,
 4) Nordquist Bertil (SWE) 1:20:58,
 5) Pesu Raino (FIN) 1:21:11,
 6) Kormshtchikov Vladislav (RUS) 1:22:02,
 7) Junnikkala Kalle (FIN) 1:23:02,
 8) Lans Björn (SWE) 1:23:19,
 9) Lystad Lars (NOR) 1:24:11,
 10) Bondar Nikolai (RUS) 1:24:41,
 11) Girardi Luigi (ITA) 1:24:45,
 12) Kudre Raul (EST) 1:24:58,
 13) Stoffel Lukas (SUI) 1:25:03,
 14) Turesson Claes (SWE) 1:26:32,
 15) Olsen Tommy (NOR) 1:26:48,
 16) Pecka Jan (CZE) 1:27:05,
 17) Ulven Kjetil (NOR) 1:27:53,
 18) Komlev Sergei (RUS) 1:27:55,
 19) Rygl Jaroslav (CZE) 1:29:54,
 20) Keskinarkaus Matti (FIN) 1:30:37,
 21) Vodrazka Jakub (CZE) 1:30:45,
 22) Sulcys Nerijus (LIT) 1:31:31,
 23) Halvarsson Joakim (SWE) 1:31:58,
 24) Hauge Anders (NOR) 1:33:10,
 25) Männel Harald (GER) 1:33:24,
 26) Buchtele Markus (AUT) 1:33:50,
 27) Lauenstein Stefan (SUI) 1:33:51,
 28) Seber Walter (ITA) 1:34:01,
 29) Ojandu Ander (EST) 1:34:04,

30) Selle Mario (ITA) 1:34:24,
 31) Kugler Johann (AUT) 1:35:05,
 32) Kalniev Todor (BUL) 1:35:12,
 33) Venhoda Milan (CZE) 1:36:22,
 34) Beguin Jan (SUI) 1:36:23,
 35) Mosimann Peter (SUI) 1:36:27,
 36) Bauer Andreas (AUT) 1:38:26,
 37) Drazdauskas Laimis (LIT) 1:38:46,
 38) Mougain Sylvain (FRA) 1:38:59,
 39) Zvontsov Igor (BLR) 1:39:12,
 40) Kazimieraitis Romas (LIT) 1:41:34,
 41) Faoro Christian (ITA) 1:41:59,
 42) Arlauskas Remigijus (LIT) 1:42:08,
 43) Bernard Pierre (FRA) 1:42:53,
 44) Dechavanne Franck (FRA) 1:44:22,
 45) Vaher Vallo (EST) 1:46:38,
 46) Hones Josef (AUT) 1:47:01,
 47) Mitkov Kostadin (BUL) 1:47:51,
 48) Kivikas Eero (EST) 1:49:22,
 49) Sonnenberg Sergej (GER) 1:50:53,
 50) Surgan Stefan (SLK) 1:51:07,
 51) Pleban Scott (USA) 1:52:27,
 52) Bruns Thilo (GER) 1:53:16,
 53) Kouyama Toshikatsu (JPN) 1:54:18,
 54) Navratil Tomas (SLK) 1:55:22,
 55) Valnov Nikolai (BUL) 1:55:38,
 56) Lescovs Viktors (LAT) 1:55:47,
 57) Kosmacevs Andris (LAT) 1:56:15,
 58) Navratil Rostislav (SLK) 1:57:24,
 59) Andrejevs Dmitrijs (LAT) 1:57:51,
 60) Maruyama Tetsushi (JPN) 1:57:57,
 61) Vliegen Erik (BEL) 1:59:50,
 62) Dimitrov Nikolai (BUL) 2:00:19,
 63) Csucs Andras (ROM) 2:01:14,
 64) Kiyoshi Seki (JPN) 2:01:17,
 65) Fewster Jon (USA) 2:01:29,
 66) Bruns Henning (GER) 2:03:52,
 67) Costantino Larry (USA) 2:06:45,
 68) Cole Max (GBR) 2:09:07,
 69) Laugesen Jens (DEN) 2:17:27,
 70) Hennes Michael (BEL) 2:21:05,
 71) Eyen Pierre (BEL) 2:22:46,
 72) Cegieka Jan (POL) 2:25:23,
 73) Brackett Gary (USA) 2:28:28,
 74) Pavelka Bela (HUN) 2:29:37,
 75) Wakai Kataro (JPN) 2:32:04,
 76) Lovrec Nenad (CRO) 2:39:52,
 77) Heikoop Mark (NED) 3:01:55,
 78) Little Hughes (AUS) 3:15:06,
 79) Strnad Stanislav (SLO) 3:19:44,
 Disq. Wathelet Alain (BEL)

Relay (23 January)

Women

1) FIN (Anttila Mervi, Holster Terhi, Anttila Liisa) 1:09:53,
 2) SWE (Zell Annika, Hannus Arja, Hasselström Lena) 1:10:48,
 3) NOR (Sletner Hanne, Madslien Valborg, Pedersen Hilde G.) 1:10:58,
 4) RUS (Naumova Tatiana, Frei Natalia, Khaustova Svetlana) 1:11:20,
 5) EST (Vaher Ruth, Vaher Maret, Alev Mall) 1:16:09,
 6) LIT (Arlauskiene Ramune, Vosyliute

Jolanta, Rudzenskaite Vilma) 1:16:39,
 7) CZE (Ryglova Hana, Chudikova Barbora, Kucharova Tereza) 01:22:45,
 8) GER (Bornhak Antje, Renger Katrin, Hering Anne) 1:28:14,
 9) SUI (Bader Iris, Naef Pia, Chiffelle Claire-Lise) 1:33:59,
 10) SVK (Kotryova Lucia, Parakova Maria, Slamova Jana) 1:34:00,
 11) ITA (Bettega Laura, Rigoni Angela, Crepez Mita) 1:34:53,
 12) AUT (Habenicht Regina, Hechl Raphaela, Kober Monika) 1:43:22,
 13) BUL (Mitkova Milena, Belomajeva Stefania, Andreinskalvelina) 1:51:22,
 14) HUN (Allwinger Judit, Urban Katalin, Nagy Orsolya) 2:00:46,
 15) JPN (Sakai Yoshiko, Kue Sanae, Yamaura Tomoko) 2:10:22,
 16) BEL (Magis Gabrielle, Renard Francoise, Wathelet Genevieve) 2:20:18,
 17) USA (Crawford Sharon, Pasciak Pam, Raines Candice) 2:39:51

Men

1) RUS (Bondar Nikolai, Khrennikov Eduard, Korchagin Victor, Kormshtchikov Vladislav) 1:50:50,
 2) SWE (Lans Björn, Lindmark Mikael, Turesson Claes, Nordqvist Bertil) 1:52:43,
 3) FIN (Lanki Jukka, Keskinarkaus Matti, Pesu Raino, Mäkipää Vesa) 1:53:59,
 4) NOR (Eduardsen Andreas, Ulven Kjetil, Olsen Tommy, Lystad Lars) 1:56:52,
 5) CZE (Vodrazka Jakub, Rygl Jaroslav, Pecka Jan, Vodrazka Ondrej) 1:59:44,
 6) SUI (Beguin Luc, Mosimann Peter, Stoffel Lukas, Lauenstein Stefan) 2:04:10,
 7) EST (Värton Canter, Ojandu Ander, Vaher Vallo, Kudre Raul) 2:07:52,
 8) ITA (Seber Walter, Girardi Luigi, Faoro Christian, Corradini Nicolo) 2:09:44,
 9) LIT (Arlauskas Remigijus, Drazdauskas Laimis, Kazimieraitis Romualdas, Sulcys Nerijus) 2:11:03,
 10) AUT (Kugler Johann, Buchtele Markus, Bauer Andreas, Habenicht Max) 2:13:56,
 11) FRA (Dechavanne Franck, Bernard Pierre, Viguier Fabien, Mougain Sylvain) 2:18:07,
 12) GER (Brunns Eike, Männel Harald, Sonnenberg Sergej, Bruns Thilo) 2:27:50,
 13) BUL (Dimitrov Nikolei, Kalniev Todor, Mitkov Kostadin, Valkov Nikolai) 2:29:56,
 14) SVK (Surgan Stefan, Navratil Tomas, Navratil Rostislav, Nemec Juraj) 2:37:08,
 15) JPN (Maruyama Tetsushi, Kouyama Toshikatsu, Seki Kiyoshi, Wakai Kataro) 2:39:30,
 16) USA (Pleban Scott, Fewster Jon, Sundquist Jon, Costantino Larry) 2:53:38,
 17) BEL (Vliegen Eric, Hennes Michael, Eyen Pierre, Wathelet Alain) 4:08:14

JWOC in ski-orienteering: Velogozh, Russia (24-28 February)

Long Distance (25 February)

Women 9,2 km

- 1) Erja Jokinen (FIN) 42.52,
- 2) Katja Rajaniemi (FIN) 43.16,
- 3) Hannele Valkonen (FIN) 43.51,
- 4) Asta Flöjt (FIN) 44.08,
- 5) Anna Ustinova (RUS) 44.50,
- 6) Marte Reenaas (NOR) 44.58,
- 7) Marie Lund (SWE) 45.17,
- 8) Tatjana Lotoshkina (RUS) 45.22,
- 9) Ida Wikström-Holmgren (SWE) 45.56,
- 10) Natalia Shipitsina (RUS) 47.04,
- 11) Anna Vorobieva (RUS) 48.36,
- 12) Barbora Chudikova (CZE) 48.43,
- 13) Miroslava Seidlova (SVK) 48.58,
- 14) Maria Bergqvist (SWE) 49.02,
- 15) Heidi Ackenhausen (NOR) 49.43,
- 16) Ingrid Sahlin (SWE) 49.44,
- 17) Paula Kolarova (CZE) 51.19,
- 18) Yvonne Gantenbein (SUI) 51.39,
- 19) Dana Javurkova (CZE) 52.20,
- 20) Anne-Martine Rustad (NOR) 52.25,
- 21) Siri-Janne Koht (NOR) 55.16,
- 22) Teodora Maltcheva (BUL) 55.40,
- 23) Gabriela Savicova (CZE) 58.41,
- 24) Ivelina Andreynska (BUL) 1.04.11,
- 25) Monika Oswald (SUI) 1.04.31,
- 26) Natalia Dimitrova (BUL) 1.06.32,
- 27) Monika Holkova (SVK) 1.06.52,
- 28) Kristina Dimitrova (BUL) 1.07.22,
- 29) Irina Rovinskaya (BLR) 1.16.52,
- 30) Lenka Ondrejškova (SVK) 1.17.35,
- 31) Valentina Nedilya (UKR) 1.20.23,
- 32) Olga Kostjuk (UKR) 1.21.19,
- 33) Elena Fedorovskaya (UKR) 1.23.34,
- 34) Yana Popovich (UKR) 1.26.10,
- Disq. Kristina Znotianaite (LTU)

Men 12,2 km

- 1) Ruslan Gritsan (RUS) 54.29,
- 2) Sergei Osipov (RUS) 55.27,
- 2) Vitali Khomchenko (RUS) 55.27,
- 4) Canter Vörton (EST) 56.45,
- 5) Markus Kainu (FIN) 56.53,
- 6) Stefan Surgan (SVK) 56.55,
- 7) Topi Suomalainen (FIN) 57.08,
- 8) Jari Sillman (FIN) 57.41,
- 9) Jörgen Sigfride (SWE) 58.26,
- 10) Harri Pitkänen (FIN) 58.34,
- 11) Trygve Hermansen (NOR) 59.00,
- 12) Johan Nordlund (SWE) 59.08,
- 13) Konstantin Zhdanov (RUS) 59.32,
- 14) Todor Kalniev (BUL) 1.00.44,
- 15) Margus Hallik (EST) 1.00.56,
- 15) Lubomir Tomecek (CZE) 1.00.56,
- 17) Johan Granath (SWE) 1.01.23,
- 18) Geir Odegard (NOR) 1.01.27,
- 19) Peter Dahlberg (SWE) 1.01.45,
- 20) Arne Roste (NOR) 1.02.04,

- 21) Petr Junek (CZE) 1.02.28,
- 22) Marc Lauenstein (SUI) 1.03.40,
- 23) Sergey Trus (LTU) 1.04.15,
- 24) Mattis Myhre (NOR) 1.05.05,
- 25) Taavi Nurm (EST) 1.06.04,
- 26) Maksim Shtelmah (UKR) 1.06.54,
- 27) Ales Razek (CZE) 1.07.02,
- 28) Boris Fischer (SUI) 1.07.06,
- 29) Nikolay Dimitrov (BUL) 1.07.14,
- 30) Igor Patras (SVK) 1.08.18,
- 31) Ivan Nimchuk (UKR) 1.08.24,
- 32) Laimis Raudeliunas (LTU) 1.08.28,
- 33) Zdenek Prochazka (CZE) 1.08.42,
- 34) Rouslan Bajanski (BLR) 1.09.16,
- 35) Andrej Patras (SVK) 1.09.18,
- 36) Mihai Trif (ROM) 1.09.38,
- 37) Vasile Zete (ROM) 1.10.11,
- 38) Dmitri Andeev (LAT) 1.11.11,
- 39) Darius Sadeckas (LTU) 1.12.25,
- 40) Plamen Mestansky (BUL) 1.13.28,
- 41) Sandro Rimondini (SUI) 1.14.30,
- 42) Radu Nicolae Zete (ROM) 1.15.10,
- 43) Gerald Holler (AUT) 1.17.17,
- 44) Andrey Tuz (UKR) 1.19.00,
- 45) Thomas Eyer (SUI) 1.19.42,
- 46) Stephan Varga (AUT) 1.19.49,
- 47) Hristo Todorov (BUL) 1.24.59,
- 48) Dmitri Durkin (UKR) 1.25.15,
- 49) Bernd Kohlschmidt (GER) 1.29.32,
- 50) Felix Meizer (AUT) 1.31.29

Short Distance (27 February)

Women 4,5 km

- 1) Anna Ustinova (RUS) 24.45,
- 2) Maria Bergqvist (SWE) 24.47,
- 3) Anna Vorobieva (RUS) 25.01,
- 4) Erja Jokinen (FIN) 25.37,
- 5) Ida Wikström-Holmgren (SWE) 25.40,
- 6) Marie Lund (SWE) 25.42,
- 7) Katja Rajaniemi (FIN) 26.09,
- 8) Hannele Valkonen (FIN) 26.14,
- 9) Tatjana Lutoshkina (RUS) 26.41,
- 10) Ingrid Sahlin (SWE) 27.13,
- 11) Marte Reenaas (NOR) 27.21,
- 12) Natalia Shipitsina (RUS) 27.25,
- 13) Miroslava Seidlova (SVK) 27.40,
- 14) Heidi Ackenhausen (NOR) 29.00,
- 15) Siri-Janne Koht (NOR) 29.10,
- 16) Anne M. Rustad (NOR) 29.20,
- 17) Barbora Chudikova (CZE) 29.52,
- 18) Gabriela Savicova (CZE) 30.37,
- 19) Kristina Znotianaite (LTU) 31.07,
- 20) Pavla Kolarova (CZE) 31.59,
- 21) Yvonne Ganteinbein (SUI) 33.31,
- 22) Dana Javurkova (CZE) 33.52,
- 23) Lenka Ondrejškova (SKV) 37.52,
- 24) Monika Oswald (SUI) 38.16,
- 25) Monika Holkova (SVK) 38.46,
- 26) Kristina Dimitrova (BUL) 42.59,
- 27) Irina Rovinskaya (BLR) 43.19,
- 28) Nataliya Dimitrova (BUL) 46.00,
- 29) Teodora Maltcheva (BUL) 47.39,
- 30) Ivelina Andreynska (BUL) 48.45,
- 31) Yana Popovich (UKR) 56.11,

- 32) Olga Kostjuk (UKR) 1.00.43,
- Disq. Elena Fedorovskaya (UKR),
- Disq. Valentina Ndeilya (UKR), hyl,
- DNF Asta Flöjt (FIN)

Men 5,6 km

- 1) Ruslan Gritsan (RUS) 25.23,
- 2) Markus Kainu (FIN) 25.25,
- 3) Vitali Khomchenko (RUS) 25.28,
- 4) Johan Nordlund (SWE) 25.49,
- 5) Jari Sillman (FIN) 25.58,
- 6) Harri Pitkänen (FIN) 26.05,
- 7) Sergei Osipov (RUS) 26.13,
- 8) Jörgen Sigfrids (SWE) 26.23,
- 9) Topi Suomalainen (FIN) 26.46,
- 10) Lubomir Tomecek (CZE) 27.12,
- 11) Trygve Hermansen (NOR) 27.14,
- 12) Peter Dahlberg (SWE) 27.22,
- 13) Todor Kalniev (BUL) 27.45,
- 14) Boris Fischer (SUI) 28.01,
- 15) Arne Roste (NOR) 28.05,
- 16) Johan Granath (SWE) 28.20,
- 17) Stefan Surgan (SVK) 28.59,
- 18) Canter Vörton (EST) 29.20,
- 19) Sergey Trus (LTU) 29.28,
- 20) Geir Odegard (NOR) 29.50,
- 21) Ales Razek (CZE) 29.56,
- 22) Marc Lauenstein (SUI) 29.57,
- 23) Margus Hallik (EST) 30.01,
- 24) Vasile Zete (ROM) 30.37,
- 25) Taavi Nurm (EST) 30.50,
- 26) Thomas Eyer (SUI) 31.04,
- 27) Andrej Patras (SVK) 31.17,
- 28) Konstantin Zhdanov (RUS) 31.34,
- 29) Zdenek Prochazka (CZE) 31.54,
- 30) Mihai Trif (ROM) 31.59,
- 31) Maksim Stehlman (UKR) 32.19,
- 32) Darius Sadeckas (LTU) 32.24,
- 33) Mattis Myhre (NOR) 32.28,
- 34) Igor Patras (SVK) 33.04,
- 35) Petr Junek (CZE) 33.12,
- 36) Rouslan Bajanski (BLR) 34.28,
- 37) Laimis Raudeliunas (LTU) 34.29,
- 38) Radu Nicolae Zete (ROM) 34.41,
- 39) Andreev Dmitri (LAT) 34.59,
- 40) Dmitri Durkin (UKR) 35.33,
- 41) Felix Meizer (AUT) 35.42,
- 42) Sandro Rimondini (SUI) 35.53,
- 43) Ivan Nimchuk (UKR) 36.50,
- 44) Stephan Varga (AUT) 39.20,
- 45) Plamen Mestansky (BUL) 40.17,
- 46) Andrey Tuz (UKR) 40.41,
- 47) Gerald Holler (AUT) 41.49,
- 48) Bernd Kohlschmidt (GER) 43.06,
- 49) Hristo Todorov (BUL) 43.18,
- 50) Nikolay Dimitrov (BUL) 44.34

Relay (28 February)

Women

- 1) FIN (Hannele Valkonen, Erja Jokinen, Katja Rajaniemi) 1.22.38,
- 2) SWE (Maria Bergqvist, Ida Holmgren-Wikström, Marie Lund) 1.26.53,
- 3) NOR (Heidi Ackenhausen, Anne M. Rustad, Marte Reenaas) 1.33.14,

- 4) CZE (Pavla Kolarova, Gabriela Savicova,
Barbora Chudikova) 1.34.15,
5) SVK (Miroslava Seidlova, Lenka
Ondrenjkova, Monika Holkova) 2.01.08,
6) UKR (Valentina Nedilya, Yana Popovich,
Elena Fedorovskaya) 2.23.15,
Disq.: BUL, RUS

Men

- 1) SWE (Peter Dahlberg, Jörgen Sigfrids,
Johan Nordlund) 1.37.29,
2) NOR (Arne Roste, Geir Odegard, Trygve
Hermansen) 1.39.10,
3) EST (Margus Hallik, Taavi Nurm, Canter
Võrton) 1.41.59,
4) RUS (Sergei Osipov, Vitali Khomchenko,
Ruslan Gritsan) 1.42.44,
5) SUI (Marc Lauenstein, Sandro
Rimondini, Boris Fischer) 1.49.45,
6) CZE (Zdenek Prochazka, Petr Junek,
Lubomir Tomecek) 1.57.04,
7) SVK (Andrej Patras, Igor Patras, Stefan
Surgan) 2.00.35,
8) ROM (Radu Nicolae Zete 39.24, Mihai
Trif 41.49, Vasile Zete 39.51) 2.01.04,
9) LTU (Sergey Trus, Laimis Raudeliunas,
Darius Sadeckas) 2.06.55,
10) BUL (Nikolay Dimitrov, Plamen
Mestansky, Hristo Todorov) 2.14.15,
11) AUT (Gerald Holler, Felix Meizer,
Stephan Varga) 2.37.44,
Disq.: FIN, UKR

Honorary Members

Horst Stubenrauch (GER), Inga Löwdin (SWE), Lasse Heideman (FIN), Willy Mathys (SUI), Erik Tobé (SWE), Bengt Saltin (SWE) and Heinz Tschudin (SUI).

Pins of Honour

Silver

1) Erik Tobé (SWE) - 1981, 2) Inga Löwdin (SWE) - 1981, 3) Lasse Heideman (FIN) - 1981, 4) Miroslav Hlavacek (CZE) - 1981, 5) Olaf Andersen (DEN) - 1981, 6) Edelfrid Buggel (GER) - 1981, 7) Rolf Nuescheler (SUI) - 1981, 8) Willy Mathys (SUI) - 1981, 9) Ludvig Steff-Pedersen (NOR) - 1981, 10) Frank Lindbergh (SWE) - 1981, 11) Kjell Staxrud (NOR) - 1981, 12) Horst Stubenrauch (GER) - 1982, 13) Atle Sundelin (NOR) - 1982, 14) P.-O. Bengtsson (SWE) - 1985, 15) Ingvar Rittsel (SWE) - 1986, 16) Herbert Hartmann (GER) - 1988, 17) P.-E. Birk-Jakobsen (DEN) - 1988, 18) Sue Harvey (GBR) - 1990, 19) Rolf Heinemann (GER) - 1990, 20) Björn Kjellström (USA) - 1990, 21) Yvonne Caspari (SUI) - 1992, 22) Kalevi Tarvainen (FIN) - 1992, 23) Peter Gehrmann (GER) - 1994 and 24) Sarolta Monspart (HUN) - 1996.

Bronze

1) Horst Stubenrauch (GER) - 1981, 2) John Disley (GBR) - 1981, 3) Atle Sundelin (NOR) - 1981, 4) Ingvar Rittsel (SWE) - 1981, 5) Ib E. Nielsen (DEN) - 1981, 6) Herbert Hartmann (GER) - 1981, 7) Ragnar Pettersson (SWE), 8) Osmo Niemelä (FIN) - 1981, 9) Hasse Hedlund (SWE) - 1981, 10) Björn Kjellström (USA) - 1981, 11) Sue Harvey (GBR) - 1981, 12) Martin Dikov (BUL) - 1981, 13) Rolf Heinemann (GER) - 1981, 14) Edgar Bächtold (SUI) - 1981, 15) Sigurd Edholm (SWE) - 1981, 16) P.O. Bengtsson (SWE) - 1981, 17) Jouko Purontakanen (FIN) - 1986, 18) Gordon Hunter (CAN) - 1986, 19) Jan Söderberg (SWE) - 1986, 20) P.E. Birk-Jakobsen (DEN) - 1986, 21) Benito Cavini (ITA) - 1988, 22) Ernst Gruhn (GER) - 1990, 23) Robin Harvey (GBR) - 1990, 24) Flemming Nörgaard (DEN) - 1990, 25) Ernő Szarka (HUN) - 1990, 26) Nicolae Stroescu (ROM) - 1992, 27) Brian Watkins (GBR) - 1992, 28) Bertil Nordenfelt (SWE) - 1993, 29) Edmond Szechenyi (FRA) - 1994, 30) John Pearson (BEL) - 1994, 31) Per Stensby (USA) - 1994, 32) Martin Kronlund (ESP) - 1996 and 33) Einar Undstad (NOR) - 1996.

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BIENNIAL REPORT 1996-1998

APPENDIX

REPORTS FROM IOF CHAMPIONSHIPS

Foot Orienteering:

**1997 WOC in Norway
1996 JWOC in Romania
1997 JWOC in Belgium**

Ski Orienteering:

**1998 WOC in Austria
1998 JWOC in Russia**

WOC '97 - Controller's final report

WOC '97 was on the whole a very successful competition which has set exceedingly high standards for future WOCs. However, certain points should be noted as they may have some significance for major orienteering events.

Maps

The maps were up to required standards. The 1:10,000 scale maps were simple enlargements of the 1:15,000 scale maps (symbol enlargement of 50%) as recommended by ISOM. The organisers originally wished to print with a symbol enlargement of only 35% but the final result was held to be very satisfactory by all. These maps on very detailed terrain can be put forward as references for 1:10,000 scale maps.

Courses

- The courses for the qualification races were designed to be technically simpler than those of the finals so as to allow the less experienced competitors to have a chance of qualification. This was successful in that a large number of countries managed to qualify runners for all the finals.
- The courses for the short distance finals were excellent giving predicted winning times. The classic finals were too long, in particular for the men. This excessive length was compounded by the unexpected heat to give exceedingly demanding courses with a men's winning time 10 minutes in excess of predictions.
- The relay courses also turned out to be longer than predicted. They were also more difficult than expected judging from the large time differences between teams.

Course lengths were discussed at length during the year prior to WOC. Statistics from earlier competitions on similar terrain tended to suggest shorter courses than those that were planned. However, the course planners determined the winners' average running speeds on the basis of extensive test runs which were difficult to fault. The obvious lesson here is that statistics in this respect should not be neglected, and in particular if they suggest shorter distances than test runs.

Accommodation

The accommodation was of the required standards. However, some difficulties were experienced due to full booking which gave the organisers no lee-way to deal with a number of unexpected situations.

The jury

The jury had to deal with a number of protests. Most were simple with regard to the rules. A number of « punching » problems occurred. The fact that these always concerned less experienced countries shows that the EMIT system still allows for miss-punching. The general complaint is that there is no signal to witness a correct « punch ».

By far the most difficult and sensitive jury decision concerned the « counting down » by the speaker problem which everyone will remember. The judgement given by the jury seems to have satisfied a good majority of the orienteers present at WOC. It is clear that the very short time differences in short distance events call for more accurate timing. The EMIT system allows this if the units are used to their full capacity as timing equipment from start to finish. This use of the equipment was suggested to the organisers but they did not wish to depart so radically from standard practice.

Ceremonies

All the ceremonies were of a high standard. Unfortunately the organisers forgot to give 4th to 6th place prizes at the classic event prize-giving in spite of having been reminded. This was very elegantly made up for at the next prize-giving ceremony.

General

The error at the classic prize-giving was symptomatic of a number of less visible organisational problems that occurred during the events. It is useful to analyse the reasons for these.

The organisation was well structured according to the main tasks. In the run up to the event each responsible person worked very autonomously with his group to prepare his part of the organisation. These people were very competent but did not always have sufficient relations with each other which sometimes lead to a lack of harmonisation and ignorance of the requirements of others. In short, the organisation lacked a « chief executive officer » who would have had a centralised and detailed overview of all the aspects of the organisation. Fortunately, during the WOC week, the Chairman of the organising committee was available permanently and gave strong leadership.

Edmond Szechenyi

ORGANISER'S REPORT

JUNIOR WORLD ORIENTEERING CHAMPIONSHIPS

ROMANIA, GOVORA, 8-14 JULY 1996

Date: 8-14 July 1996

Organiser: Romanian Orienteering Federation

Events:

10th July	SHORT DISTANCE	
Map	MALUL ALB	1996, scale 1:10.000 / 5 m.
Courses:	Men	4.715 m / 220 m / 12 controls
	Women	3.790 m / 185 m / 9 controls
11th July	CLASSIC	
Map	SIRINEASA	1996, scale 1:10.000 / 5 m.
Courses:	Men	11.400 m / 440 m / 23 controls
	Women	7.150 m / 225 m / 18 controls
13th July	RELAY	
Map	MIHAIESTI	1996, scale 1:10.000 / 5 m.
Courses:	Men	3x7.250 m / 3x275 m / 3x15 controls
	Women	3x4.700 m / 3x225 m / 3x10 controls

Officials:

Technical Director	Nicolae Stroescu
Event Directors	Natalia Badea
	Ciprian Coman
IOF Controller	Felix Moser
National Controller	Gelu Costin
Courses Controller	Dumitru Cioban
	Niculina Maiorescu
	Ioan Kuszalik
Planners	Dionisie Rosca
	Gabriel Maiorescu
	Marian Cotarta
	Stefan Foldi
	Daniel Barkasz
Jury	Australia
	Belgium
	Denmark

The seventh edition of the JWOC'96 was held in Romania, at Govora (Valcea country). It was for the first time when Romania organised a world orienteering competition and we appreciate this event as a great challenge that was successful.

The Competition Centre of the event was the "Oltenia" hotel, one of the biggest hotel from Govora. All the competitors, team officials and organisers from the Information Desk were accommodated there, so it was possible for all to be in a permanent touch. The "Oltenia" hotel was a fortunate choice as it was situated among the three competition areas and also situated at 10 min. walking to the model event map.

The transport to the competition areas strictly respected the timetable scheduled. The maximum transport time to the competition areas was 50 min.

The maps were appreciated as very good and the terrain as very difficult from the technical point of view (especially the Classic and Model Event terrain's).

The courses were appreciated as very technical but too long (for Classic event). In the classic event (both men and Women courses), the realised winner time overdone the calculated winner time with 10 - 13 %. The reasons for this were: a) the undergrowth very developed in some areas because of the very wet last season; b) the rain during the course which made the terrain very muddy; c) the technical difficulty of the terrain.

There were organised four official meetings of about 20' - 30' for spreading useful information and holding the problems of the participants in order to be solved as quickly and as better as possible.

During the Relay event we had one verbal complain from the Croatia official leader. The last leg of the second team of Croatia who started within the mass start of the delayed latest legs (12h.20) got lost at the end of the course. One hour and a half after the team officials mass start (12h.30), after all the team official competitors passed through all the controls, some of the controls were removed, so that the runner from Croatia2 didn't find one control. Because that control was indeed removed before the runner to arrive there, we decided to not disqualify the runner (and the team). This decision didn't affect the ranking, the Croatia2 being anyway the last ranked in the Relay event.

There were not protests during the JWOC'96.

Conclusions: We consider the JWOC'96 - Romania to be successful.

Bucharest, 19th July 1996



Gelu Costin
National Controller



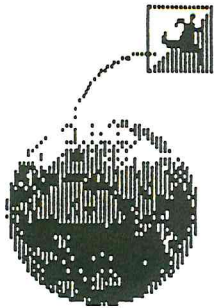
Nicolae Stroescu
Technical Director



Ciprian Coman
Event Director



Natalia Badea
Event Director



A. B. S. O. - B. V. O. S.

Belgium O Federation

Brussels, 01/07/1998.

Mrs President, Members of Council, Dear O Friends,

This is the report of the main things we remember from JWOC 1997.

Two years ago, in Jerusalem, we promised a organisation with friendly atmosphere, help from the belgian army and ... sun. The sun was shining ... (everybody will remember that it might be even warm in Leopoldsburg as in Israël !)

IOF asked us to perform a JWOC 97 where every nation could be together in a very friendly environment. It started immediately during the opening ceremony, each Junior discovering the other, whatever the nations, the languages, the O experience, etc... This special atmosphere continued during the meals, the evenings, and the competition itself.

Another important objective was to organise a JWOC at a reasonable cost. With the help of the Belgian Army, we succeed.

Geir Tveit, IOF controller, gave us big help, asking some modifications difficult to implement but always judicious (like the decision to switch the maps scheduled for short distance and classic). The JWOC where interesting also due to this Geir's work.

The 3 terrains (sandy with a lot of contours and a lot of paths) lead to Junior World Champions without contest.. From a Belgian point of view, one girl and one men where along the best, at a right place.

Problems ? Let us remember the 2 first days when it took a little bit to much time to received the meal ...

Our thanks to a Doctor, member of the Finish delegation who gave the first help to one of the competitors. In the future, we, and every organisator, will take more and more attention to the medical problems.

Thanks a lot to all the Juniors because, finally, they made from this organisation a big success. In the same way we wish an equal success to our French friends for their JWOC organisation this year !

We, in Belgium, from the North to the South of the country, hope to meet a lot of young (and, why not oldiers) orienteers during our next organisations.

Eric Hully,
Secretary general.

Association belge des Sports d'Orienteering Belgische Vereniging voor Oriëntatie Sporten Belgischer Verband für Oriëntierungs Sporte

c/o Secrétariat général Eric Hully avenue des Pinsons 17 - B 1640 Rhode-Saint-Genèse - Belgium

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SKI-O World Championships 1998

REPORT

location:	Windischgarsten/Austria
dates:	January 19th to 25th, 1998
number of participating nations:	28
IC IOF:	Anssi Juutilainen, FIN
General Manager and Event Organiser:	Karl Lex, AUT
Sprint planner:	Wolfgang Pötsch, AUT
National controller sprint:	Wolfgang Kradischnig, AUT
Relay planner:	Wolfgang Pötsch and Michael Melcher, both AUT
National controller relay:	Wolfgang Kradischnig, AUT
Long distance planner:	Wolfgang Kradischnig, AUT
National controller long distance:	Wolfgang Pötsch, AUT
Chief OCAD cartographers:	Alois Mair and Franz Klopf, both AUT
Surveyors:	Janos and Marton Söter, both HUN
Map editors:	Karl Lex, Alois Mair, Michael Melcher, all AUT
Chief track makers:	Markus Kössler and Ulrich Lackner, both AUT
Head of event centre:	Johann Luttenberger, AUT
Press officer:	Franz Hartinger, AUT
Commentators:	Franz Hartinger and Günter Kradischnig, both AUT
Interpreters and translators:	Giles Tilling, GB, and Johannes Schenk, AUT
Helpers:	120 volunteers from all over Austria and 50 soldiers from the Austrian Army.

Introduction:

In spite of lack of snow to start off with, the 1998 World Championships could be held in their entirety. The organisers had prepared alternative venues at higher altitude, which had to be turned to due to a shortage of snow in the valley. This also accounted for the program being changed: first the sprint event, then the relay, finishing with the long-distance. IOF IC Anssi Juutilainen ensured that the World Championship events ran smoothly; thanks to his vast experience there were no problems.

Sprint event (January 21st, 1998)

The sprint event was held at the famous downhill world cup location Hutterer Höss in Hinterstoder, which is at 1500 m above sea level. The area is reached via gondola cable car, and the competitors had to take a drag lift to the start. The weather was windy with snowfall, which was why the winning times in both the women's and men's classes were 10 to 15 minutes longer than specified by the IOF. The top racers won though; no medals were taken by coincidence.

Map (colour copy), „Hutterer Böden“: scale 1:10,000, contour interval 5 m, last survey January 20th, 1998.

Relay (January 23rd, 1998)

The relay was held in the Egglalm area on the Hengst pass. A shuttle bus transported the competitors to the start/finish area from the car park. The men's race started at 10:00 and the women's race at 10:15. Due to the change in program, and on the agreement of the IOF IC Anssi Juutilainen and the jury, the courses were shortened. A marquee large enough for 500 people was set up at the start/finish area for changing. Thanks to a massive effort by everybody involved, this race was also carried out without problems or any complaints.

Map (colour copy), „Egglalm“: scale 1:15,000, contour interval 5 m, last survey January 22nd, 1998.

Long distance (January 24th, 1998)

The final race of the 1998 World Championships in ski orienteering was the long distance event, which was also held in the Egglalm area on the Hengst pass. This time a larger area was used to take in Püglalm and Laussabauernalm. What was special about this event was the sheer distance between controls, providing an interesting choice of routes, and the amount of climbing! The start/finish area was the same as for the relay event. This race was also carried out without any problems or protests.

Map (colour copy), „Egglalm“: scale 1:15,000, contour interval 5 m, last survey January 22nd, 1998

Opening ceremony (January 20th, 1998):

The 1998 World Championships were opened on the main square in Windischgarsten in the presence of a number of personalities. The national teams were greeted individually as they processed into the square. In addition to the addresses and music, Dr. Leidl, the Assistant Governor of the province of Upper Austria, officially opened the championships. As Vice President of the federation, Hugh Cameron from Australia then welcomed the 28 participating nations on behalf of the IOF. Doughnuts and hot drinks were served to the participants during a fireworks display that formed the finale of the ceremony.

Prize giving ceremony, closing ceremony:

The prize giving ceremonies were held on Lanzaplatz in Windischgarsten in the evening after each event. The appropriate national anthems for the champions were played live by the Windischgarsten brass band. During the closing ceremony the mayor Franz Hufnagl handed over the 100 year-old IOF baton to the President of the IOF Sue Harvey. Event Organiser and General Manager Karl Lex also handed the World Championship flag over to Sue Harvey.

As requested by the participants, the event finished with an evening in the night club.

Doping:

A total of 18 doping samples were taken during the World Championships by the ÖDAC; all samples proved negative.

Mascot:

The event mascot was a bear called „SKIO“, who turned out to be very popular with the participants and spectators. SKIO attracted more attention from photographers than anything or anybody else.

Music:

The „World Championship March“ was written especially for this event by the well-known Spittal am Pyhrn composer Bruno Sulzbacher.

Other attractions:

A number of local organisations helped stage additional attractions such as a hunting museum, an exhibition of stamps from all 30 nations that registered to compete, and a church service for the participants held by the Austrian „Sport Bishop“ Dr. Kurt Krenn. Unfortunately most participants found there was little time in our tightly scheduled race program for many of these attractions.

Ready for the Olympics:

At the invitation of the organisers the promises made at the IOF congress in Varna, BUL in 1994 were kept: for the first time more than 25 nations - 28 to be precise - attended.

Press:

The Austrian press gave the event more coverage than would normally be expected (see attached). Austrian television made a number of short reports during the World Championships week, and transmitted a 20 minute summary of the event during coverage of the Olympics in Nagano. The championships received attention from radio stations for a period of 14 days.

General Manager of the World Championships

Karl Lex

Attached:

results lists

maps

articles from the press

PR article

REPORT

by *Stanislav Elakhovsky* - controller of the Ski-Junior World Orientiring Championship-98, Russia, Tula region, Velegozh, February 23-28, 1998.

Ski-JWOC-98 was arranged on the high level of organisation. Accommodation, food, short distances to start and finish areas, opening and closing ceremonies, rewarding ceremonies, information service for participants and spectators, cultural programme, referee level, representation of IOF officials - in total was in accordance with modern international standards and the Competition Rules for IOF Events.

From sport-technical point of view Ski-JWOC-98 was perfectly arranged with excellent maps and routes preparation. All participants had possibility to train on the large training area that was very similar to the event area. This training area was then used in maps and routes of all event days. This way of training organisation for participants as "model event" has already applied to large Ski-O events (for example to the North Countries Ski-O Junior Championship in 1994, Rovaniemi, Finland) and can be considered as rather successful.

As non-homogeneous qualification structure of Ski-JWOC-98 participants had been awaited, technically rather simple routes was prepared. Different weather conditions was taken into consideration for routes planning including situation of frosty weather just after thaw, when hard snow cover forms. Such weather in fact took place during Ski-JWOC-98. This made event routes technically more difficult bringing additional factors in route choice task - that is clear from the winners ways on event maps, presented in Ski-JWOC-98 Report, and also from route time schedule of participants, printed on back side of maps and given them during event.

Should be underlined that sunny and frosty weather, hard snow cover and hard ski tracks (there were no tracks left by previous participants) provided ideal conditions of fair sport during all event days. It is confirmed by the fact, unique for such large-scale Ski-O event, that among the best ten results and even among the medalists were sportsmen from the beginning of the start list.

The resolution passed by referee board on abolishment of Russian women team and Finish men team results in relays in cause of infringement the p.20.7 of the Competition Rules for IOF Events was right and fair. This resolution was then confirmed by jury.

Mr. Plamen Denev, IOF representative, managed with his duties rather successful as higher qualified specialist.

Conclusions and recommendations:

1. Ski-JWOC-98 was arranged on the high organisational and sport-technical level.
2. Tula Orienteering Federation, Ski-JWOC-98 officials, routes planners and referees showed themselves as responsible and qualified specialists who are able to arrange on the modern level any large-scale international event, as winter as summer.
3. The use of the same area as for the main event as for the model event in a day before should be considered as right and laying in the mainstream of the current development tendencies of Ski-O and orienteering on the whole. It's worth-while to recommend to do by the same way arranging large-scale events including international events and even to expand model event area till to the *whole* main event area. I think it more corresponds to the principles of fair sport and economized event arrangement than outside training area.



10.04.98.

S. Elakhovsky