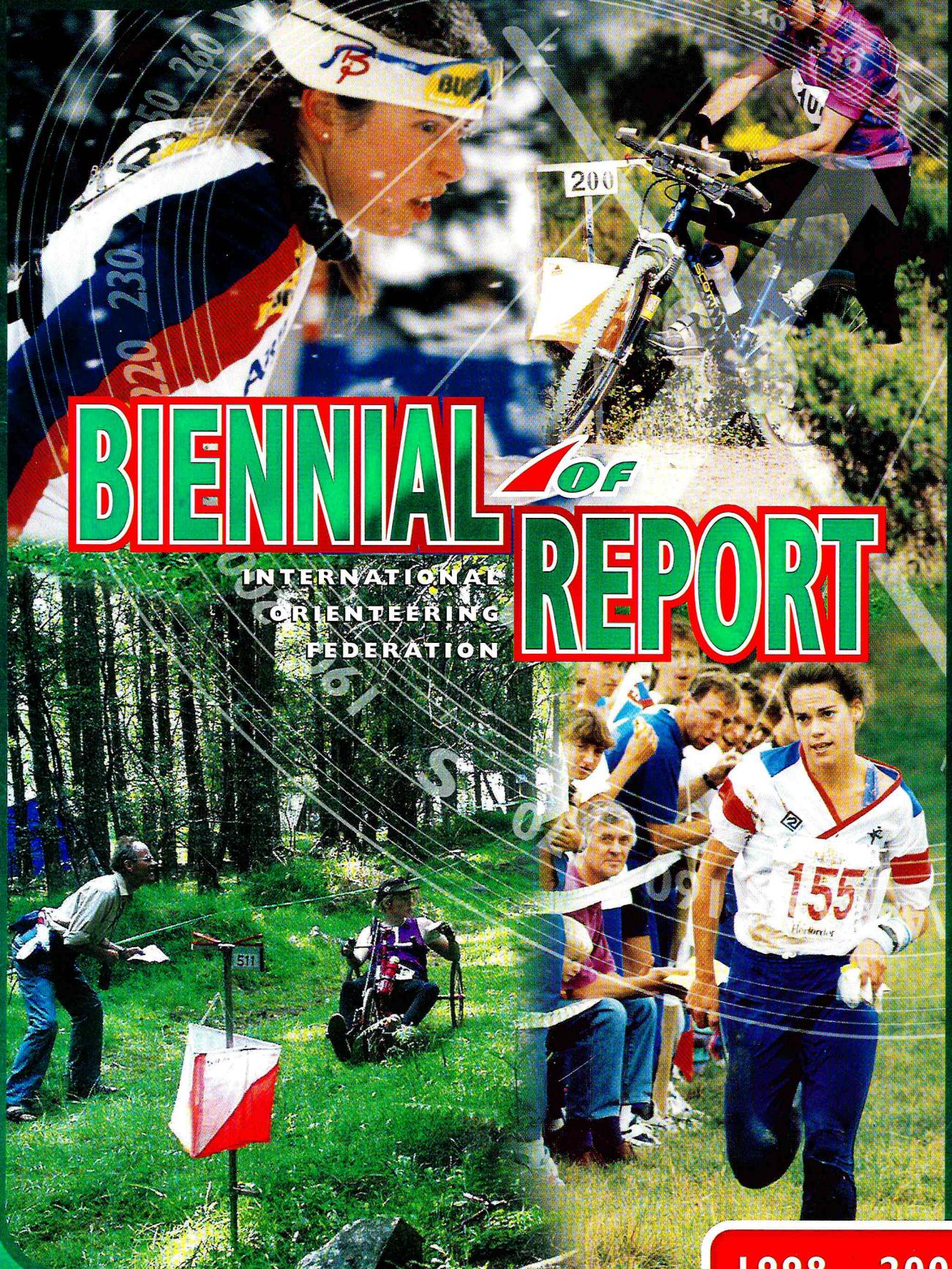


IOF



BIENNIAL *of* REPORT

INTERNATIONAL
ORIENTEERING
FEDERATION

1998 – 2000



Biennial Report 1998–2000

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Biennial Report 1998–2000

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President's Greeting

The following Biennial Report contains a full and detailed account of the activities of the IOF during the last 2 years. I should like to highlight a few points which in my view are of particular significance.

The first is the growth of membership of the IOF – now at 58. This is in line with IOF's objectives for the period, and is at least partly due to specific efforts made by the IOF through our Development Assistant and others.

The second is the securing for orienteering of a place in the programme of the World Games and the World Masters Games. Though we might strive for Olympic participation, with its financial and media rewards, these World Games are an important step in our programme to increase the profile of the sport. The decision by some National Olympic Committee to fully fund participation in the World Games attests to the importance attributed to that event.

The third is the link-up with Worldsport.com. It is still too early to see results, but I believe this co-operation will be significant in helping to provide orienteering with the profile it needs.

Also on profile of the sport, IOF's new publication, "The World of Orienteering" has been widely commended within orienteering and in particular, outside it. This, together with the Media Guides and "Orienteering World", provides an enhanced outward face to the sport.

Turning to technology, we can note its impact in administration, as email makes IOF's communication vastly more convenient and effective, and in competition, through the spread of electronic punching.



Still with competition, work has begun during this Congress period on an extensive rethink of the programme of elite events for foot orienteering. This will be a major subject of discussion at this Congress. Also an important topic here will be the quality improvement programme for major events in all disciplines. There is still much work to be done, but once completed, these two measures should both enhance the media profile and support the development of greater depth in elite orienteering world-wide. At this point may I take the opportunity to pay tribute to the dedication of elite orienteers everywhere, whose performances provide the showcase of our sport.

Finally, may I sincerely thank everyone working in the IOF at all levels and in all countries for your contribution – your time, your energy and your skills are what makes IOF happen.

Sue Harvey

Council's Report

Council meetings and working methods

The present Council, elected at the 1998 General Assembly for the period 1998–2000, has convened seven times during the Congress period. The meetings have been held in Sintra, Portugal; Hämeenlinna, Finland; Copenhagen, Denmark; Inverness, Scotland, U.K.; Chaumontel, France; Helsinki, Finland, and Leibnitz, Austria.

Enabled by the new IOF Statutes approved by the General Assembly in 1998, Council has used electronic communication in order to increase the efficiency of its work. This new working method has made the work more flexible and allowed Council to react quickly to any issues requiring immediate action and decision-making.

The President, the Senior Vice President and the two Vice Presidents have constituted the President's Working Group (PWG), the purpose of which has been to initiate discussion on new ideas, to prepare Council meetings and to lead Council forward in its work.

To answer to the needs of the growing federation, Council has agreed to introduce a new management model in which the Senior Vice President takes a larger role in the leadership of the federation. The basic division of responsibilities is that the President takes care of external relations, whilst the Senior Vice President takes responsibility for managing internal activities.

This management model is used in a number of other international sports federations. It enables the IOF to continue to develop a strong external profile whilst maintaining good internal management and make the most of the contributions of the volunteers. The new working model was put into effect in early 2000.

Registration of the IOF as a legal body

The application for registration of the IOF as a legal body in Finland was approved by the Finnish National Board of Patents and Registration on 10 December, 1998.

The registration is in line with recommendations of GAISF (The General Association of International Sports Federations). It provides a formal legal status for the organisation and the people who are involved with it.

Environmental group established

During the Congress period, Council has formed a number of working groups, some of which have

been temporary while some have assumed a more permanent character.

To secure the implementation of the IOF environmental policy, adopted at the 1998 IOF Congress, an environmental group was formed and the group's terms of reference were approved in December 1999. The group has recently been assembling a database of all reports and observations on the environmental impact of orienteering. Additionally, the group is in the process of identifying officers responsible for environmental matters in member nations and of compiling a register of contacts.

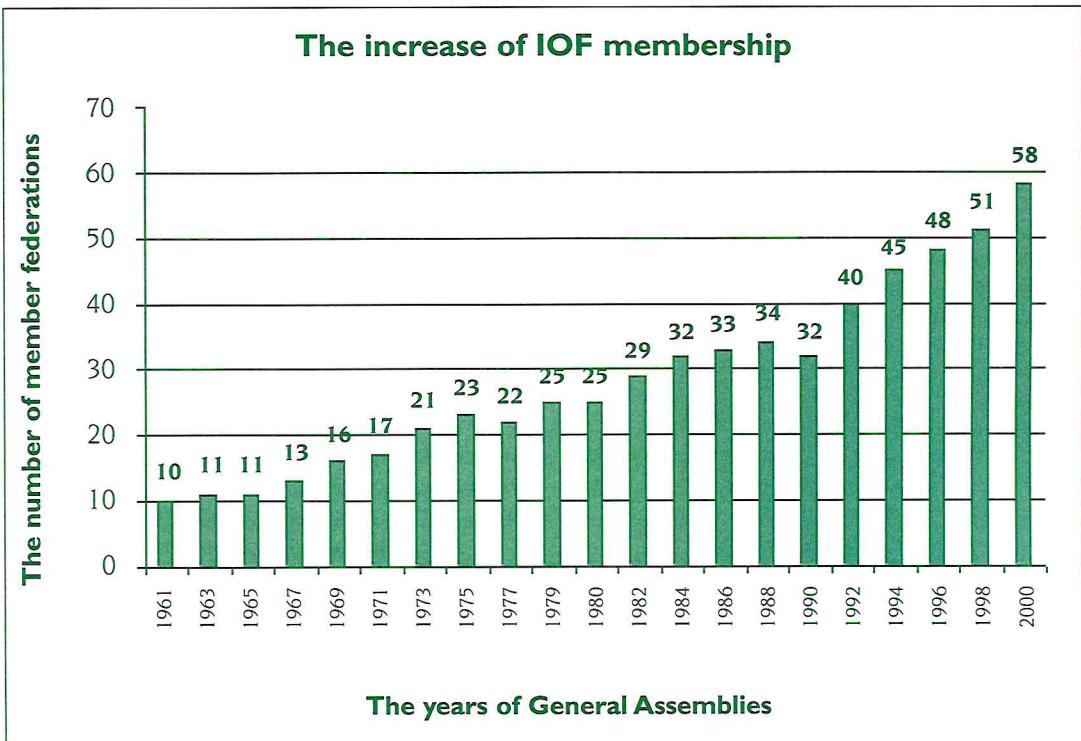
The main task of the Medical Advisory Group has been the revision of the current IOF Anti-Doping Rules to be consistent with the new Olympic Movement Anti Doping Code. With the purpose of assessing the current situation in the member federations before planning future activities in the anti-doping field, the group intends to circulate an enquiry on doping issues in the near future.

Believing that continental championships can assist in raising the profile of orienteering, Council decided to form a Continental Championships Group. The group shall consist of one person from each continent even if, due to the present situation, not all continents will be represented from the start. The group will be formed once the member countries have decided on their respective regional representatives.

Noting the international growth of orienteering marathon events, Council decided to encourage the member federations to take interest in such events and to include them in their calendars. A Marathon Orienteering Working Group was formed with the task of establishing a medium and long-term plan for the development of orienteering marathons, monitoring the activity worldwide, and setting up a World Orienteering Marathon Trophy event. The group is a sub-group of the Foot Orienteering Committee.

Towards the long term goal

The long term and continuing goal of the IOF is the further spread of orienteering, that is, more people in more places more times each year. In order to move significantly towards achieving this goal, priority has been given to activities in the fields of raising the profile of the sport, recruitment, and improving the quality of major IOF events.



Since the 1998 IOF Congress, seven new countries, namely Colombia, D.P.R. Korea, Greece, Jamaica, Pakistan, Uruguay and Venezuela, have been admitted by Council as provisional associate members. Their membership will be proposed for ratification at the 2000 IOF General Assembly.

In December 1999, Council provisionally approved an application for full membership from the former associate member Brazil.

As of 30th April 2000 the IOF counts 58 member countries (42 full and 16 associate members). IOF has the target of 64 members by the end of 2000. Among countries expected to file an application in the near future are e.g. Costa Rica, Cyprus and Thailand.

Development towards the Olympics

The Olympic Project was initiated in 1997. A project group was formed and a full time Development Assistant was employed in the beginning of 1998. A detailed strategy and a working scheme were elaborated and approved by the 1998 General Assembly. The project aimed at increasing the number of members in the IOF, improving our presence and visibility within the Olympic Movement and raising the profile of orienteering.

The job of the Development Assistant focussed on geographical spread and on increasing and strengthening IOF membership. The work done within the 75 Nations Project created a good

basis for a continued further spread of orienteering and the establishment of orienteering federations in a number of countries. The Development Assistant's two-year employment concluded at the end of 1999. The continuation of the 75 Nations Project has been included in the job description of the Assistant employed in January 2000.

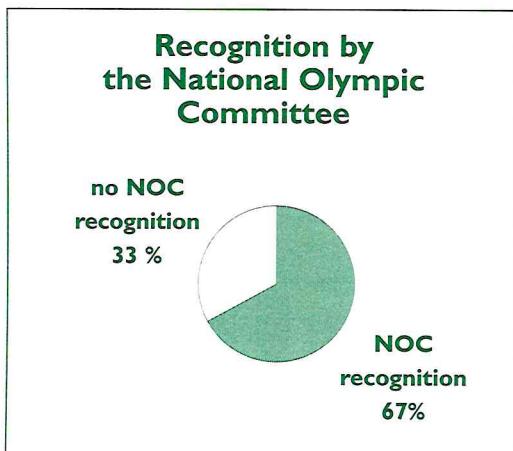
The basic vehicle to raise the profile of orienteering has been the PR brochure "The World of Orienteering". Some 6,000 copies of the brochure have been circulated since the first edition was published in July 1998. The new PR style Orienteering World has been used as a means of raising the awareness of orienteering and the profile of the sport within the Olympic Movement.

With the aim of making the IOF and orienteering more visible in international sports circles, the President and the Secretary General have participated in a large number of international meetings, conferences and seminars. Additionally, they have, on several occasions, had informal meetings with representatives of the IOC. IOF representatives have also paid visits to a number of National Olympic Committees in countries not having a national orienteering federation, such as Thailand, the Philippines, Cyprus and Costa Rica, and also in countries recently having joined the IOF, i.e. Colombia, Costa Rica, Jamaica, Uruguay and Venezuela.

The ski orienteering application to be included in the 2002 Olympic Winter Games was not accept-

ed. The negative outcome was due to a number of reasons, among them the internal problems faced by the Salt Lake City Organising Committee.

Italy was awarded the Olympic Winter Games in 2006, and the IOF has submitted to the IOC its formal application for inclusion of ski orienteering in the programme of those Games.



Orienteering in multi-sport Games

Multi-sport Games are the shop window of sport. The IOC decision to extend Olympic patronage to the World Games made the inclusion of orienteering in the programme of the Games even more important.

In late autumn 1998, the IWGA confirmed that foot orienteering will be included in the programme of the 2001 World Games in Akita, Japan. The number of participants allotted to the IOF is 80 athletes and 20 officials, i.e. a total of 100 persons. The IWGA Executive and the 2001 World Games organiser gave the green light for three orienteering events: an individual event for both women and men and a mixed relay with an equal number of both gender.

On the basis of the 1999 World Championships relay event, twelve nations have qualified and are allowed to enter a team of 2 men and 2 women. Those nations are: Norway, Finland, Sweden, Switzerland, Great Britain, Lithuania, Czech Republic, Australia, France, Germany, Denmark and Estonia.

Additionally, as the host nation, Japan is allowed to enter 2 + 2 runners. The final results of the 2000 World Cup will be used to determine the remaining places.

Orienteering is one of the core sports included in the programme of the World Masters Games from the very beginning. In order to raise orien-

teering's profile as part of this big international multi-sport event, Council decided that the World Masters Orienteering Championships (WMOC) be incorporated with the World Masters Games every fourth year, providing that the organiser is suitable and that the relevant national orienteering federation is willing and capable of organising the event. As a result of this decision, the 2002 WMOC will be held as part of the World Masters Games in Melbourne, Australia. Orienteering will be among the three biggest sports on the programme.

IOF President elected member of ARISF Council

The IOF is a member of GAISF (General Association of International Sports Federations), ARISF (Association of Recognized International Sports Federations), IWGA (International World Games Association), IMGA (International Masters Games Association), and a recognized federation of the IOC (International Olympic Committee).

During the Congress period, the work on becoming more visible in international sports circles within the Olympic Movement has been intensified. IOF representatives have taken part in international meetings, conferences and seminars, such as the Congress and General Assembly of the GAISF, the IOC World Conference on Doping in Sport, the IOC Sport for All Congress, and the meetings of the Association of Summer Olympic International Federations (ASOIF), to mention only a few.

The IOF has systematically sought opportunities to have people elected to key positions in international sports organisations.

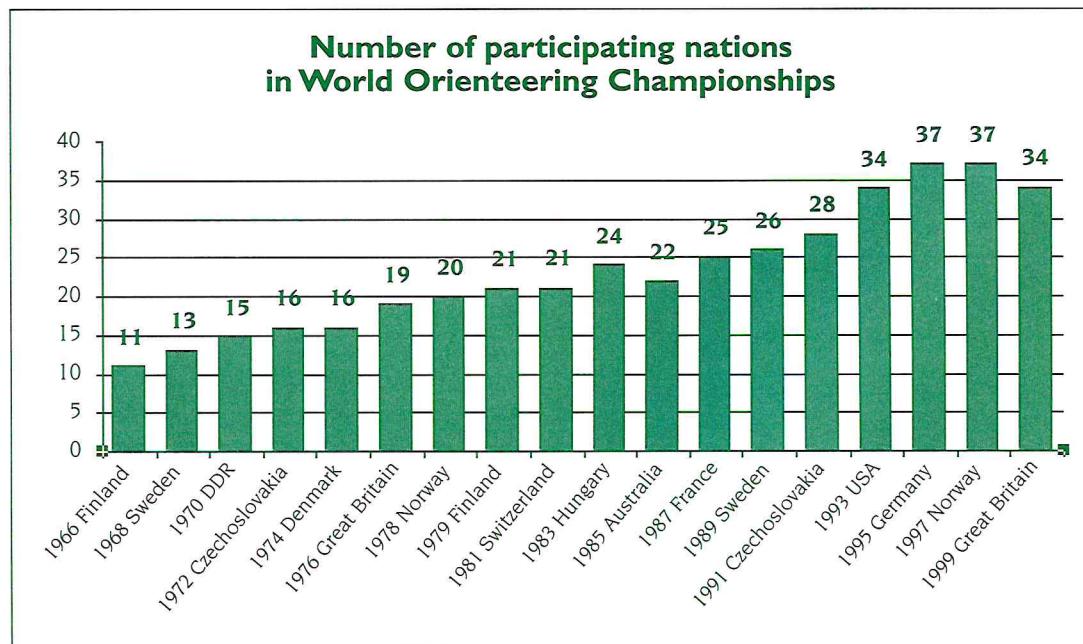
At the 1999 General Assembly of ARISF, the IOF President was elected member of the ARISF Council. The Council consists of six persons, namely a President, a Vice President, a Secretary General and three Directors, all from different member federations. The IOF President also is a member of the IMGA Board of Governors.

Event quality improvement

Following the Congress decision to revise the composition of the international elite event programme, Council formed a working group to take the lead in making an evaluation of the present situation, proposing a possible way forward and elaborating guidelines for programme planning. The results of a questionnaire circulated to elite runners, coaches and media representatives were presented at the Presidents' Conference held in conjunction with the 1999 World Orienteering Championships.

In parallel with the work of the above mentioned project group and to complement the work of the Event Standards Committee, the Foot Orienteering Committee has begun an events quality improvement programme with the aim of making events more spectator and media friendly. The main focus is on the World Championships and the World Cup events. The full results of this work will be seen only after some years, but as a first attempt to implement

and test the new ideas, the application procedure for the World Championships and the World Cup in foot orienteering has undergone a change. The development work is being done within the foot orienteering committee, but it is applicable to all the IOF disciplines. With the purpose of raising the profile of major IOF events and assisting the organisers with professional advice on outside-forest matters (image, media etc.), Council took the decision to hire a professional event adviser.



Improving the image of orienteering

In order to establish an appropriate image for orienteering world-wide, and to promote and market the sport, an orienteering message was elaborated and launched. This message was included in the brochure "The World of Orienteering" for use by the IOF and its national federations as a promotional tool in their communication with National Olympic Committees, authorities, sponsors and other similar organisations.

In early 1998, Council had taken the decision to change the Orienteering World magazine into a new, promotional style magazine to be used as a tool for communication between the IOF, its members and external target groups. The first issue of the re-launched magazine was published in April 1999. So far, the magazine has been devoted to the themes of recruitment (April 1999), technology development and orienteering (October 1999) and environmental issues (May 2000).

The magazine has been well received and it has proved to be a good vehicle for delivering the message of orienteering to the intended target groups.

Media Guides provide insight into the sport

Since 1999, the IOF has published two yearly media guides, one on ski orienteering and one on foot orienteering. The guides aim to provide essential information about the respective discipline and the IOF events programme, and to provide some insight into the sport.

The role of the internal newsletter IOF Headlines has grown significantly during the past two years. In 1998, the newsletter was published only four times whilst the number of issues grew to 11 in 1999. From the beginning of the year 2000, the newsletter has been circulated electronically to all those recipients having e-mail access.

The aim of the Scientific Journal of Orienteering is to give an international and interdisciplinary review of actual research in orienteering. It is directed at coaches, athletes and scientists from all fields and it is also meant to serve as a reference base for students, libraries, sports institutes, orienteering federations, and clubs.

IOF joins **Worldsport.com**

Electronic communication, Internet technology and web casting offer new possibilities to raise

the profile of orienteering. At its meeting in December 1999, Council agreed that the issue of how to further develop the IOF Internet web site had largely become a question of marketing the sport.

Following a thorough evaluation of the bids of several service providers, it was decided to enter into a co-operation agreement with WorldSport Networks Ltd. Joining this multi-sport web site was believed to provide the IOF with the best available possibilities for marketing and raising the profile of orienteering.

The co-operation agreement also provides the IOF with connectivity, access to a secure server system, global Intranet and participation in a free e-mail programme for orienteers world-wide.

The work to establish the new IOF web site is currently underway, and the migration of the current site into the WorldSport environment is underway.

New recruits key to future health of orienteering

The IOF activity plan 1998–2000 defined recruitment as one of the long term goals of the IOF. In late 1998, a project on school/youth orienteering was initiated to support exchange of expertise between the member federations.

To highlight the high priority given to this project, "Programmes for School/Youth Orienteering" was a topic at the Presidents' Conference held in conjunction with the 1999 World Orienteering Championships. The current situation in IOF member nations had been assessed by means of a questionnaire, and the results were presented

at the conference. The presentation was followed by presentations on successful recruitment campaigns carried out in Italy, Norway, France, Spain, South Africa and the U.S.A.

As a further means of spreading new recruitment ideas, one issue of the newsletter Headlines was devoted to recruitment projects.

World Championships and World Cup events

During the Congress period, the following World Championships and World Cup events have been held:

1998: World Cup in Orienteering (IRL, GBR, SWE, POL, SVK, EST, FIN), Junior World Orienteering Championships (FRA), World Masters Orienteering Championships (CZE).

1999: World Cup in Ski Orienteering (SUI, ITA, FIN, EST, BUL), Junior World Ski Orienteering Championships (BUL), World Masters Ski Orienteering Championships (RUS), World Orienteering Championships (GBR), Junior World Orienteering Championships (BUL), World Masters Orienteering Championships (DEN), World Cup in Mountain Bike Orienteering (AUT, CZE, ESP), World Cup in Trail Orienteering (GBR).

2000: World Masters Orienteering Championships (NZL), World Ski Orienteering Championships (RUS), World Cup in Ski Orienteering (FIN, AUT, SVK, RUS), Junior World Ski Orienteering Championships (SVK), World Masters Ski Orienteering Championships (BUL).

The reports from the above events have been submitted to the IOF as required in the relevant competition rules.

Activities of the Committees

Foot Orienteering Committee

After the congress in Sintra, the Foot Orienteering Committee was restructured and extended, the main aim of which was to provide the resources needed to carry out the continuously growing workload.

In order to attract more media coverage, sponsors and spectators, the quality of major IOF events needs to be further improved. The maps and the courses are already of high standard, but a lot still remains to be done with regard to the layout of the event and the service for spectators and media. Therefore, the committee has decided on a five year event quality programme, with the aim of ensuring a better overall quality of events.

As a first step to implement the programme, a new application procedure has been introduced, giving the applicants a better understanding of IOF's perception of the different events. The application form is more detailed and provides the committee with more information when selecting the organiser. Additionally, the applicants are visited and a written agreement must be signed between the applicant and the IOF prior to the final appointment of the organiser. This is a way of ensuring that both the organiser and the IOF are aware of the terms and conditions related to the event.

At the 1998 Congress, the World Cup programme was criticised as being too extensive and onerous, both financially and for the athletes. Because of the time scale, it was not possible to reduce the 2000 programme, but from 2002 onwards, there will be only three World Cup rounds.

As the World Ranking System has now been in operation for two years the committee has made a first attempt to test it as a qualification system. In 2000, it has been used to provide one of the criteria for selection to the new red start group at World Cup events.

It is very important to keep the Junior World Orienteering Championships as a low-cost event, thus enabling as many IOF members as possible to send participants. The technical standard of the competition shall be high, whereas the accommodation standard can be modest in order to lower the costs. The social aspect of the event is important as well. In conjunction with the championship, a team leader meeting is held

with the purpose of asking future organisers to inform the team leaders about their plans, including the size of the entry fee.

A Marathon Orienteering Working Group which, among other things, is responsible for the World Orienteering Marathon Trophy event, has now been established as a sub-group under the Foot Orienteering Committee.

MTB Orienteering Committee

During the past two years, the MTB orienteering discipline has continued to grow. The number of countries participating in events has increased, and so has the number of applications to organise World Cup events. In parallel, several countries not yet participating in the World Cup, have developed a national events programme.

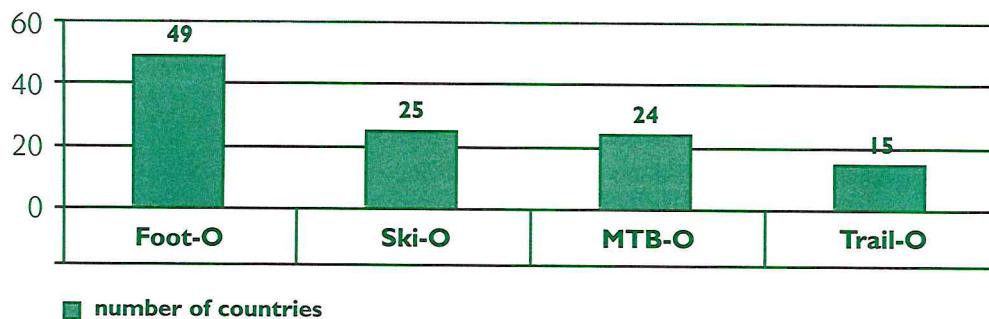
The MTB Orienteering Committee has met four times. When the international MTB orienteering programme was first established, the rules permitted an unlimited number of participants in order to ensure enough competitors. The discipline now having developed, and the number and the level of athletes and countries having increased, the test period has come to an end. The work to establish international MTB orienteering rules which are in harmonisation with the rules for other IOF disciplines has now been finalised.

The World Cup event series was created in 1998, and was made up of events in three countries, namely Czech Republic, Slovakia and Spain. In 1999, the organising countries were Austria, Czech Republic and Spain. In 2000, the World Cup programme has been extended to comprise a total of 11 events in five countries.

The first ever World MTB Orienteering Championships will be held in France in 2002. One of the main tasks of the committee has been to develop the championship schedule, to decide on the type and the number of events and the categories that are to be official championship classes.

To secure the quality of the events, IOF controllers will in future be appointed for the major IOF MTB orienteering events as for the other disciplines. During the Congress period, the standards for MTB orienteering maps have been developed and are now included in the new International Standard for Orienteering Maps booklet (ISOM/2000).

Number of countries having activities in each discipline



Ski Orienteering Committee

The committee has focussed on the Olympic project with the aim of having ski orienteering included in the programme of the Olympic Winter Games in 2002 in Salt Lake City, USA, and in 2006 in Turin, Italy.

Due to a number of reasons, some of which were related to logistics and to the event arena, the application for inclusion in the 2002 programme was unsuccessful. From the point of view of marketing ski orienteering to the 2006 Games, the project, produced an important marketing tool, a ski orienteering map of the Olympic arena. This map, showing how the ski orienteering events can be organised in the existing ski stadium, utilising the permanent or specially designed network of ski tracks, is now being used to support the 2006 application.

A visit to Sestriere, Italy, in September 1999, showed that the venue and the terrain of the biathlon competition is well suited for a high quality ski orienteering event. In order to support the Olympic application, there is a need for an improvement of the total quality of IOF ski orienteering events and for well co-ordinated lobbying activities.

As a tool for development of the sport, the committee analysed previous ski orienteering seasons, in particular the 1998/99 season, and current development trends. The results of the analysis underline the necessity for change – now included in the ski orienteering strategy developed and adopted in 1999. A number of concrete measures to improve the quality have already been put into practice.

The new rules for international ski orienteering events came into force at the beginning of 1999. The rules made it possible to implement changes to the events. Experiments with increased openness at the Junior Ski Orienteering World Championships held in Bulgaria and Slovakia

proved that this might be one way forward. New forms of ski orienteering are being introduced internationally. After the 2000 World Ski Orienteering Championships in Krasnojarsk, a park ski orienteering event was held in Moscow. At least one super sprint event will be included in the World Cup 2001 programme, a park ski tour is being developed and a world ranking system is planned to be introduced in 2001.

To support further quality improvement, more detailed guidelines for organisers will be prepared. Equally, increased attention will be paid in order to improve the quality of the controlling of events, and to maintain the participation costs as low as possible.

The committee is increasingly putting efforts into activities aimed at marketing the sport. Some results are already visible, such as the improved quality of the ski orienteering information on the IOF web page and the ski orienteering media guides for 1999 and 2000. The social aspects of major events have also been improved, the best example being the 2000 World Championships held in Russia.

Trail Orienteering Committee

The Trail Orienteering Committee and the recognised associate members have worked hard to stimulate wider interest in the discipline, which has a recruitment potential from a different clientele, with a series of development/planning clinics and demonstration courses at multi day international events.

The inaugural World Cup held in conjunction with the 1999 World Orienteering Championships attracted teams from five nations, with a further twelve nations represented in the associated Open competition.

Fifteen people from 10 nations attended the Trail Orienteering Controllers' Clinic in Scotland and six people representing four countries are now licensed IOF Controllers for Trail Orienteering.

There has been input on mapping for Trail Orienteering to the work done by the Mapping Committee on the International Specification for Orienteering Maps (ISOM2000).

The web site www.trailo.org has all the material prepared for the Controllers' Clinic available to anyone and contains ideas on developing orienteering with the use of permanent courses – in particular for school and youth groups. There are links to other known national Trail Orienteering web sites.

In 2000 there are World Cup stages with the European Trail Orienteering Championships in Truskavets, Ukraine, and at the O-Ringen event in Örebro, Sweden.

Event Standards Committee

The four members of the Event Standards Committee have worked extremely hard during this period, both as committee members and IOF Controllers, to carry out successfully their remit of ensuring 'dependable standards of event organisation'. A particular target has been the 2001 Akita World Games.

Major achievements over the two years included:

- in conjunction with the Foot Orienteering Committee, revision of the Competition Rules to facilitate the production of customised versions for Championships, World Cup events and World Ranking Events, and preparation of the Special Rules for the 2000 World Cup.
- in conjunction with the Mountain Bike Orienteering Committee, development of harmonised rules for MTBO.
- continued expansion of the controller licensing scheme for Foot O and Ski O: at the end of 1999 there were over 140 IOF Foot O Controllers (from 34 federations) and 13 IOF Ski O Controllers (from 6 federations). A scheme of accreditation for 'high level controllers' is currently being finalised.
- in association with the Trail Orienteering Committee, introduction of a licensing scheme for Trail O Controllers, with 5 (from as many countries) already licensed.
- in conjunction with the Technological Development Committee, monitoring of developments in electronic punching and timing and consequent appropriate modification of competition rules.

The Committee has sought to ensure that an international perspective is maintained in policies and actions pertaining to elite foot orienteering.

Finally, our thanks to the controllers of IOF events over the past 2 years. It is not uncommon for the Controller of a major event to have to devote weeks, and even months, of his/her time to the task. It is particularly pleasing, then, to be able to report that there are many new (and younger) faces in the recent round of controller appointments for the 2002 World Cup in Foot Orienteering, with a wider geographical representation than has been traditional.

However, it is of great concern that, although the number of member federations is steadily increasing, the lack of growth in many federations means that fewer federations can cope with the ever-increasing demands placed on organisers of major events.

Map Committee

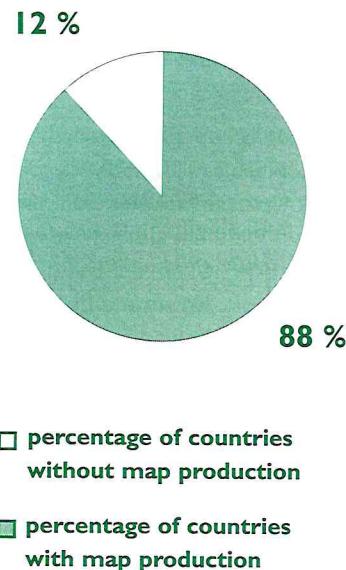
The Map Committee is responsible for all matters related to maps for the four orienteering disciplines administered by the IOF. The tasks include standardisation, development, education and communication. The committee is the deciding body in matters related to deviations from the IOF Competition Rules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

During the Congress period the International Standard for Orienteering Mapping (ISOM) revision 2000, has been finalised. In November 1999 the Foot Orienteering section was published on the Internet. During the first quarter of 2000 the harmonised version for all disciplines, and guidelines for park orienteering maps, was published and printed. The task has been accomplished by a Project Team under the Map Committee. In all, experts from 10 nations have taken part in the work.

The modernisation of the Instructors Kit was finalised during 2000. The material is available on CD-ROM media for use by instructors giving clinics in new as well as in experienced orienteering countries. The material is also available on the Internet. It is open material and can be translated into local languages. In 1998, a mapping clinic attracting eight participants was organised in Ukraine.

The 8th ICOM (International Conference for Orienteering Mapping) was held in conjunction with the 1999 World Orienteering Championships in Inverness, Scotland. The conference was the largest ever, with delegates from 17 countries. The two-day programme included standardisation, trail orienteering mapping, technical development and new printing techniques. An extensive presentation of the final suggestions for the ISOM/2000 standard concluded the conference.

Map production in 1999



The committee has held four regular meetings and two provisional meetings during the Congress period. Some minor matters have been decided on by using the means of electronic communication. The "public window" has been the IOF home page and the Map Committee Official Information Centre on the Internet.

Another important step in the development of the orienteering map has been taken. Being the 5th update of the ISOM since 1969, the 2000 version is the first to include all the IOF orienteering disciplines. It concludes four years of hard work for the Map Committee and it deserves to be well received and extensively used.

Technology Development Committee

Over the last couple of years, the Internet has continued its explosive growth, and – through the World Wide Web technology – has become a mass media in its own right. From being solely a source of "static" information, the "net" now also broadcasts real-time news – live sound and pictures. This is called Web Casting.

Web Casting is not limited to audio and video. Imagine an orienteering map with moving dots depicting competitors moving on the screen (Real-time Position Monitoring) – Web Casting is the ideal media to broadcast this, with endless possibilities to promote orienteering.

One of the most important tasks of the Technology Development Committee is to promote the use of advanced internet technology within the orienteering community.

Another priority task for the committee is to disseminate information on the use of technology in orienteering. This activity should be seen in the context of IOF's goal of strengthening its members and helping to raise the standard of events.

During the WOC week in Scotland, the TDC organised a successful and well-attended seminar where some of the foremost people who work with technology and orienteering presented their work. Web Casting took a prominent place at this occasion.

The programme included presentations of the marketing opportunities and the technology, and punching system vendors were in place to show their latest models, and to explain their future plans. Reports were also given on the progress of the 2001 World Championships organiser's web casting and Real-time Position Monitoring project, and on the work undertaken so far within the TDC Standard Interfaces project.

Organising an orienteering event is becoming an increasingly complex task, not least because of the number of computer systems involved. As a first step to build a foundation to help make future systems compatible and thus simplify the task for the organisers, the committee launched the Standard Interfaces project in late 1998.

The project was given the task of coming up with a standard way of communication between the software systems that are being used at orienteering events. Quite a few federations as well as systems vendors showed their support for the project, and sent experts to a workshop held in Oslo in October 1998, laying a good foundation for the further work.

However, further progress on the project proved difficult, mainly because of the scarce resources among the expert team. The project has now been restructured and efforts to reach a result are again underway.

The Technology Development Committee has provided assistance to the Events Standards Committee in developing performance and approval criteria for electronic punching systems. The draft criteria have been handed over to the Event Standards Committee for implementation.

Income and expenditure account 1998

1.1.-31.12.1998
FIM

1.1.-31.12.1997
FIM

REGULAR ACTIVITIES

Income		
Participation fees	0,00	1 739,90
Other income	10 596,13	26 914,38
Income total	10 596,13	28 654,28
Expenditure		
Staff costs		
Salaries and fees	-380 796,50	-284 678,86
Indirect staff costs	-81 342,32	-69 966,63
Staff costs total	-462 138,82	-354 645,49
Rents and leasing	-31 561,00	-32 824,69
Other expenditure		
External services	-234 409,54	-112 109,71
Travel and accommodation expenses	-542 023,36	-348 349,74
Material costs	-185 324,95	-130 644,41
Other operating charges	-239 382,39	-159 470,67
Other expenditure total	-1 201 140,24	-750 619,53
Expenditure total	-1 694 840,06	-1 138 089,71
Sub-total	-1 684 243,93	-1 109 435,43

FUNDING

Income		
Membership fees	545 626,76	-549 500,00
Sponsor agreements	293 500,00	301 500,00
Other income	407 738,00	223 679,28
Donations	7 037,00	0,00
Income total	1 253 901,76	1 074 679,28
Expenditure		
Other funding expenditure	-85 053,40	-50 549,96
Expenditure total	-85 053,40	-50 549,96
Funding total	1 168 848,36	1 024 129,32
Sub-total	-515 395,57	-85 306,11

FINANCING YIELDS & COSTS

Income	5 486,99	1 067,17
Expenditure	4 709,46	3 464,97
Financing yields & costs total	777,53	2 397,80
Sub-total	-514 618,04	-87 703,91

GENERAL GRANTS

Government grants	300 000,00	300 000,00
Other general grants	64 369,80	52 231,00
General grants total	364 369,80	352 231,00
Sub-total	-150 248,24	264 527,09
Depreciation	-20 557,10	-17 517,65
Result of the financial period	-170 805,34	247 009,44
Decrease in reserves	0,00	236 180,00
Deficit/surplus of the financial period	-170 805,34	483 189,44

Balance sheet 1998

	31.12.1998 FIM	31.12.1997 FIM
Assets		
FIXED ASSETS AND OTHER NON-CURRENT INVESTMENTS		
Intangible assets		
Other capitalized expenditure	2 314,40	3 086,40
Tangible assets		
Machinery&equipment	22 824,50	33 491,30
Receivables		
Trade receivables	94 525,85	134 295,50
Prepaid exp, acc income	71 875,05	17 248,98
Receivables total	166 400,90	151 544,48
Cash in hand and at banks	289 570,45	519 241,10
ASSETS TOTAL	481 110,25	707 363,28
Liabilities		
CAPITAL AND RESERVES		
Accumulated results	-523 180,36	-39 990,92
Deficit/surplus of the financial period	170 805,34	-483 189,44
	-352 375,02	-523 180,36
CREDITORS		
Current		
Advances received	-47,23	-21 164,47
Trade payables	-21 442,33	-16 848,75
Accrued liabilities	-107 245,67	-146 169,70
	-128 735,23	-184 182,92
LIABILITIES TOTAL	-481 110,25	-707 363,28

Notes to the Accounts

	1998 FIM	1997 FIM
--	---------------------------	---------------------------

INCOME, TOTAL	1 634 354,68	1 692 811,73
EXPENDITURE, TOTAL	-1 805 160,02	-1 209 622,29
DEFICIT/SURPLUS	-170 805,34	483 189,44

STAFF COSTS

Salaries	380 796,50	284 678,86
Pension insurance	63 238,79	39 038,11
Other indirect staff costs	18 103,53	30 928,52
	462 138,82	354 645,49

MACHINERY AND EQUIPMENT

Book value 1.1.	33 491,30	0,00
Increase	<u>9 118,30</u>	<u>50 236,95</u>
Sub-total before depreciations	42 609,60	50 236,95
Depreciation	<u>-19 785,10</u>	<u>-16 745,65</u>
Book value 31.12.	22 824,50	33 491,30

OTHER CAPITALIZED EXPENDITURE

Book value 1.1.	3 086,40	0,00
Increase	0,00	3 858,40
Depreciation	-772,00	-772,00
Book value 31.12.	2 314,40	3 086,40

Principles for depreciation on fixed assets:

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

CAPITAL

Accumulated results	523 180,36
Deficit of the financial period	-170 805,34
Capital 31.12.1998	352 375,02

Report of the Auditors

To the Members of the International Orienteering Federation, Kansainvälinen Suunnistusliitto ry

We have audited the accounts, the accounting records and the administration of the International Orienteering Federation, Kansainvälinen Suunnistusliitto ry for the 1998 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.

In our opinion the accounts, which show a deficit of FIM 170.805,34, 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, 12 April, 1999

Seppo Tervo
APA

Georg Gittmaier

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Income and Expenditure Account 1999

	1.1.-31.12.1999 FIM	1.1.-31.12.1998 FIM
REGULAR ACTIVITIES		
Income		
Other income	35 236,17	58 311,14
Expenditure		
Staff costs		
Salaries and fees	-408 908,98	-380 796,50
Indirect staff costs		
Pension costs	-76 007,64	-63 353,89
Other indirect staff costs	-21 650,24	-17 535,93
Indirect staff costs	-97 657,88	-80 889,82
Staff costs total	-506 566,86	-461 686,32
Depreciation	-23 482,10	-20 557,10
Other expenses		
Rents	-32 304,00	-31 561,00
External services	-308 226,90	-303 232,80
Travel and accommodation expenses	-416 527,59	-548 899,88
Material costs	-266 672,79	-256 006,44
Other operating charges	-234 404,36	-206 646,54
Other expenses total	-1 258 135,64	-1 346 346,66
Expenditure total	-1 788 184,60	-1 828 590,08
Sub-total	-1 752 948,43	-1 770 278,94
FUNDING		
Income		
Membership fees	540 800,00	545 626,76
Donations	0,00	7 037,00
Advertising	58 914,50	66 049,26
Sponsor agreements	293 500,00	293 500,00
Other funding income	418 034,00	407 738,00
Income total	1 311 248,50	1 319 951,02
Expenditure		
Other expenditure	-71 396,18	-85 728,40
Funding total	1 239 852,32	1 234 222,62
Sub-total	-513 096,11	-536 056,32
INVESTMENTS AND FINANCING		
Income		
Interest/current assets	32,09	4 943,27
Other investment and financing income	2 446,45	731,68
Income	2 478,54	5 674,95
Expenditure		
Other investment and financing costs	-558,00	-4 793,77
Investments and financing total	1 920,54	881,18
Sub-total	-511 175,57	-535 175,14
GENERAL GRANTS		
Special government grants	300 000,00	300 000,00
Other general grants	56 461,90	64 369,80
General grants total	356 461,90	364 369,80
Deficit of the financial period	-154 713,67	-170 805,34

Balance Sheet 1999

	31.12.1999 FIM	31.12.1998 FIM
--	---------------------------------	---------------------------------

Assets

FIXED ASSETS

Intangible assets		
A dp programmes	1 542,40	2 314,40
Tangible assets		
Machinery&equipment	11 814,40	22 824,50
Fixed assets total	13 356,80	25 138,90

CURRENT ASSETS

Receivables		
Trade receivables	304 199,73	101 857,85
Other receivables	71 861,93	2 847,81
Prepaid exp, acc income	52 511,67	86 406,16
Receivables	428 573,33	191 111,82
Cash in hand and at banks	150 117,72	286 722,64
Current assets total	578 691,05	477 834,46

ASSETS TOTAL

592 047,85

502 973,36

Liabilities

CAPITAL

Accumulated results	-352 375,02	-523 180,36
Deficit of the financial period	154 713,67	170 805,34
Capital total	-197 661,35	-352 375,02

CREDITORS

Current		
Advances received	-107 442,14	-47,23
Trade payables	-160 200,55	-37 485,03
Other liabilities	-96 408,81	-16 436,45
Accrued liabilities	-30 335,00	-96 629,63
Current	-394 386,50	-150 598,34

LIABILITIES TOTAL

-592 047,85

-502 973,36

Notes to the Accounts 1999

PRINCIPLES FOR PREPARING THE ANNUAL ACCOUNTS

Principles and methods used for valuation and periodised items

Fixed assets and depreciations

Fixed assets have been activated by using the acquisition cost.

Adp programmes: 5 years: 20 %/year

Machinery and equipment: appendix: depreciation plan

Changes in the presentation of the profit and loss account and the balance sheet

The changes required by the new accounting act have been made to the profit and loss account and the balance sheet, and the figures of the previous year have been similarly changed.

Information about the comparability

To allow a comparison between 1998 and 1999, the income and expenditure of Orienteering World in 1998 have been included in figures. In the 1998 annual accounts those were presented in a separate profit and loss account and balance sheet.

	1999 FIM	1998 FIM
FIXED ASSETS, CHANGES AND DEPRECIATIONS		
Machinery and equipment		
Book value 1.1.	22 824,50	33 491,30
Increase	<u>11 700,00</u>	<u>9 118,30</u>
Sub-total before depreciations	34 524,50	42 609,60
Depreciation	<u>-22 710,10</u>	<u>-19 785,10</u>
Book value 31.12.	<u>11 814,40</u>	<u>22 824,50</u>
Adp programmes		
Book value 1.1.	2 314,40	3 086,40
Depreciation	<u>-772,00</u>	<u>-772,00</u>
Book value 31.12.	<u>1 542,40</u>	<u>2 314,40</u>
CAPITAL		
Accumulated results	352 375,02	523 180,36
Deficit of the financial period	<u>-154 713,67</u>	<u>-170 805,34</u>
Capital 31.12.1999	<u>197 661,35</u>	<u>352 375,02</u>
INCOME, TOTAL	1 705 425,11	1 634 354,68
EXPENDITURE, TOTAL	<u>-1 860 138,78</u>	<u>-1 805 160,02</u>
DEFICIT	<u>-154 713,67</u>	<u>-170 805,34</u>

Report of the Auditors

To the Members of the International Orienteering Federation, Kansainvälinen Suunnistusliitto ry

We have audited the accounts, the accounting records and the administration of the International Orienteering Federation, Kansainvälinen Suunnistusliitto ry for the 1999 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 confirmity with the rules of the Association Act.

In our opinion the accounts, which show a deficit of 154.713,67 FIM, 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, April 28, 2000

Seppo Tervo
APA

Georg Gittmaier


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IOF Structure

IOF Council

Sue Harvey, President (GBR), Åke Jacobson, Senior Vice President (SWE), Hugh Cameron, Vice President (AUS), Edmond Széchenyi, Vice President (FRA), Thomas Brogli, Member (SUI), Higino Esteves, Member (POR), Jan-Erik Krusberg, Member (FIN), Iordanika Melnikliyska, Member (BUL) 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 Széchenyi, Vice President (FRA).

Discipline Committees:

Foot Orienteering Committee

Ove Gasbjerg, Chairman (DEN), Laszlo Deseö (HUN), Leho Haldna (EST), David May (GBR), Torgny Ottosson (SWE), Marcel Schiess (SUI), Luis Sergio (POR), Ted de St.Croix (CAN), Geir Tveit (DEN) and Knut Nord, Event adviser (SWE).

Sub-groups:

- Marathon Orienteering Working Group: Edmond Szechenyi, Chairman (FRA), Michel Devrieux (FRA), Dave Lotty (AUS), Thomas Prokes (CZE), Mark Seddon (GBR) and Peter Taylor (AUS)
- Senior Elite Programme Group: Ted de St.Croix (CAN), Laszlo Deseö (HUN), Ove Gasbjerg (DEN) and Marcel Schiess (SUI)
- Junior Elite Programme Group: Marcel Schiess (SUI) and Luis Sergio (POR)

Mountain Bike Orienteering Committee

Jean-Paul Hosotte, Chairman (FRA), Blake Gordon (AUS), Serge Ninanne (BEL), Colin Palmer (GBR), Jan Semik (CZE) and Jésus de Miquel Rey (ESP).

Ski Orienteering Committee

Juraj Nemec, Chairman (SVK), Tim Kankfelt (FIN), Kåre Kirkevik (NOR), Tord Nilsson (SWE), Igor Stolov (RUS), Daniel Sägesser (SUI) and (until 21st February 1999) Tullio Manzinello (ITA).

Trail Orienteering Committee

Anne Braggins, Chairman (GBR), Frank Kuhn (USA), Patrick Ng (HKG), Knud Vogelius (DEN) and Faith White (IRL).

Associate members:

Peter Gehrman (GER), Taro Koyama (JPN) and Bernard Legrand (BEL).

Cross-Discipline Committees:

Event Standards Committee

Barry McCrae, Chairman (AUS), Øivind Holt (NOR), Lars-Åke Larsson (SWE), David Rosen (GBR) and Tord Nilsson, ski-o contact (SWE).

Map Committee

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

Sub-group:

- ISOM2000 project team: Andreas Dresen (GER) project responsible, Lazlo Zentai (HUN) editor, Knut Olav Sunde (NOR), Alex Tarr (AUS), Flemming Nørgaard (DEN), Jorma Ake (FIN), Hans Steinegger (SUI), Lennart Karlsson (SWE), Håvard Tveite (NOR) and Pat Dunlavey (USA).

Technology Development Committee

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

Sub-group:

- Interface Standards project: Stefan Nordmark, project responsible (SWE), Ian Watson, project responsible (GBR), Magne Brekke (NOR), Bjarte Dyngeland (NOR), Björn Heinemann (GER), Hatori Kazushige (JPN), Gunnar Larsson (SWE), Pekka Linnainmaa (FIN), Sven Marty (NOR), Terje Mathisen (NOR), Olav Nedrelid (NOR), Pekka Pirilä (FIN), Siegfried Ritter (GER), Dag Olav Rønning (NOR), Ted de St. Croix (CAN) and Kell Sønnichsen (DEN).

Working Groups:

Medical Advisory Group

Bengt Saltin, Chairman (DEN) until 30th April 2000, Olli Heinonen, acting chairman (FIN) from 1st May 2000, Roger Aerts IOF Anti-Doping Controller (BEL), Wendy Dodds (GBR) and Marja Ramm-Schmidt (FIN).

Environment Group

Brian Parker, Chairperson (GBR), Åke Barklund (SWE), Ernst Gruhn (GER), David Hogg (AUS) and Maria Silvia Viti (ITA)

Olympic Project Group

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

Lobbying Group for Ski Orienteering

Sue Harvey, IOF President, Chairman (GBR), Juraj Nemec (SVK), Matti Salmenkylä (FIN), Igor Stolov (RUS) and Barbro Rönnberg, 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, Development Project Consultant, (DEN) and Sigitas Stasiulis (LTU).

IOF Controllers of World Championships and World Cup events

1998: World Cup in Orienteering: Øivind Holt (NOR), Geir Tveit (NOR), Marcel Schiess (SUI), Fred Strömsten (SWE), Jaroslav Dokoupil (CZE), Jorma Ake (FIN), Atle Dengerud (NOR). JWOC: Konrad Becker (SUI). WMOC: Gudrun Broman (SWE).

1999: World Cup in Ski Orienteering: Ivan Kuzmin (RUS), Leho Haldna (EST), Kristian Liljeström

(FIN), Juraj Nemec (SVK).

Ski-JWOC: Juraj Nemec (SVK).

Ski-WMOC: Tord Nilsson (SWE).

WOC: Lars-Åke Larsson (SWE).

JWOC: Felix Moser (SUI). WMOC: Jørgen Holmboe (NOR).

World Cup in Trail Orienteering: Brian Parker (GBR).

2000: WMOC 2000: Alex Tarr (AUS).

Ski-WOC: Plamen Denev (BUL).

World Cup in Ski Orienteering: Yngve Mobraathen (NOR), Hans Ruedi Häny (SUI), Wolf Eberle (AUT), Plamen Denev (RUS).

Ski-JWOC: Wolf Eberle (AUT).

Ski-WMOC: Lars Petter Lystad (NOR).

IOF Secretariat

Barbro Rönnberg, Secretary General (FIN)

Sigitas Stasiulis, Development Assistant (LTU until 31st December 1999)

Elina Savolainen, Assistant to the Secretary General (FIN) from 1st January 2000.

IOF Honorary Members

1) Horst Stubenrauch (GER), 2) Inga Löwdin (SWE), 3) Lasse Heideman (FIN). 4) Willy Mathys

(SUI), 5) Erik Tobé (SWE), 6) Bengt Saltin (SWE), 7) Heinz Tschudin (SUI).

 **Biennial Report**
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IOF Pins of Honour

(in chronological order)

Silver

1981: Erik Tobé (SWE), Inga Löwdin (SWE), Lasse Heideman (FIN), Miroslav Hlavacek (CZE), Olaf Andersen (DEN), Edelfrid Buggel (GER), Rolf Nuescheler (SUI), Willy Mathys (SUI), Ludvig Steff-Pedersen (NOR), Frank Lindbergh (SWE), Kjell Staxrud (NOR).

1982: Horst Stubenrauch (GER), Atle Sundelin (NOR),

1985: Per-Olof Bengtsson (SWE)

1986: Ingvar Rittsel (SWE)

1988: Herbert Hartmann (GER),

Poul-Erik Birk-Jakobsen (DEN)

1990: Sue Harvey (GBR),

Rolf Heinemann (GER),

Björn Kjellström (USA)

1992: Yvonne Caspari (SUI),

Kalevi Tarvainen (FIN)

1994: Peter Gehrman (GER)

1996: Sarolta Monspart (HUN)

1998: Flemming Nørgaard (DEN),

Veli-Markku Korteniemi (FIN), Geir Tveit (NOR),

Barry McCrae (AUS), Anne Braggins (GBR).

Bronze

1981: Horst Stubenrauch (GER), John Disley (GBR), Atle Sundelin (NOR), Ingvar Rittsel (SWE), Ib E.Nielsen (DEN), Herbert Hartmann (GER), Ragnar Pettersson (SWE), Osmo Niemelä (FIN), Hasse Hedlund (SWE), Björn Kjellström (USA), Sue Harvey (GBR), Martin Dikov (BUL), Rolf Heinemann (GER), Edgar Bächtold (SUI), Sigurd Edholm (SWE), Per-Olof Bengtsson (SWE).

1986: Jouko Purontakanen (FIN), Gordon Hunter (CAN), Jan Söderberg (SWE), Poul-Erik Birk-Jakobsen (DEN).

1988: Benito Cavini (ITA).

1990: Ernst Gruhn (GER), Robin Harvey (GBR), Flemming Nørgaard (DEN), Ernö Szarka (HUN).

1992: Nicolae Stroescu (ROM), Brian Watkins (GBR).

1993: Bertil Nordenfelt (SWE).

1994: Edmond Széchenyi (FRA), John Pearson (BEL), Per Stensby (USA).

1996: Martin Kronlund (ESP),

Einar Undstad (NOR).

1998: Clive Allen (GBR), Rimantas Mikaitis (LTU), Lars Petter Lystad (NOR), Birthe Helms (DEN).

General Statistics of IOF Member Federations – 1999

This information is based on a questionnaire circulated to all IOF member federations (membership as of 31 December 1999), i.e. a total of 55 members, out of which 49 had replied by 30 April 2000.

Clubs and membership

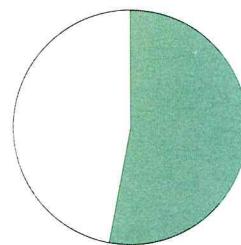
Total number of clubs: 4,100

Total number of club members: 350,000

Estimated number of active orienteers in total: 1 million.

National federations having regional associations (%)

without
regional
associations
47 %



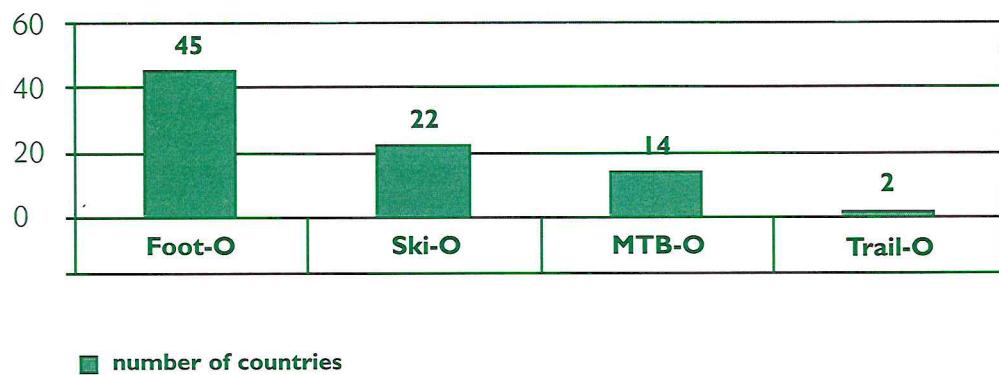
with
regional
association
53 %

Disciplines

Percentage of countries having activities in each discipline in 1999

- Foot O 100 %
- Ski O 51 %
- MTB O 49 %
- Trail O 31 %

Number of countries having national championships in each discipline



Percentage of countries with and without national championships out of those countries where the relevant discipline is practised.

	Foot O	Ski O	MTB O	Trail O
National championship	92 %	88 %	58 %	13 %
No national championship	8 %	12 %	42 %	87 %

National and international events

National events

More than 100 national events	16 countries (Australia, Belgium, Czech Republic, Finland, France, Great Britain, Germany, Hungary, Ireland, Italy, Japan, Norway, New Zealand, Poland, Switzerland, Sweden)
Less than 10 national events	6 countries

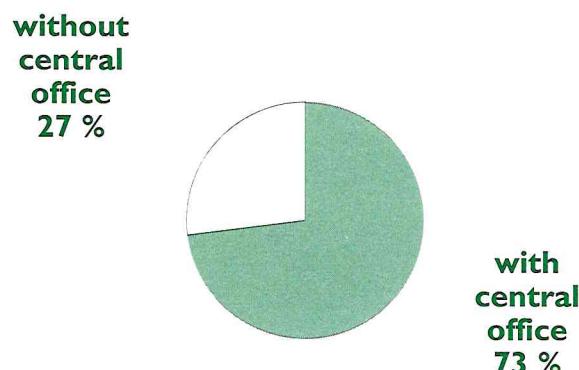
International events

More than 10 international events	19 countries (Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, Germany, Hungary, Israel, Italy, Japan, Lithuania, Norway, Slovenia, Switzerland, Slovakia, Sweden, Ukraine, United States of America)
No international events	9 countries

Employees

Total number of employees at central offices of the national federations: 84 full-time, 58 part-time.

Central offices of the national federations



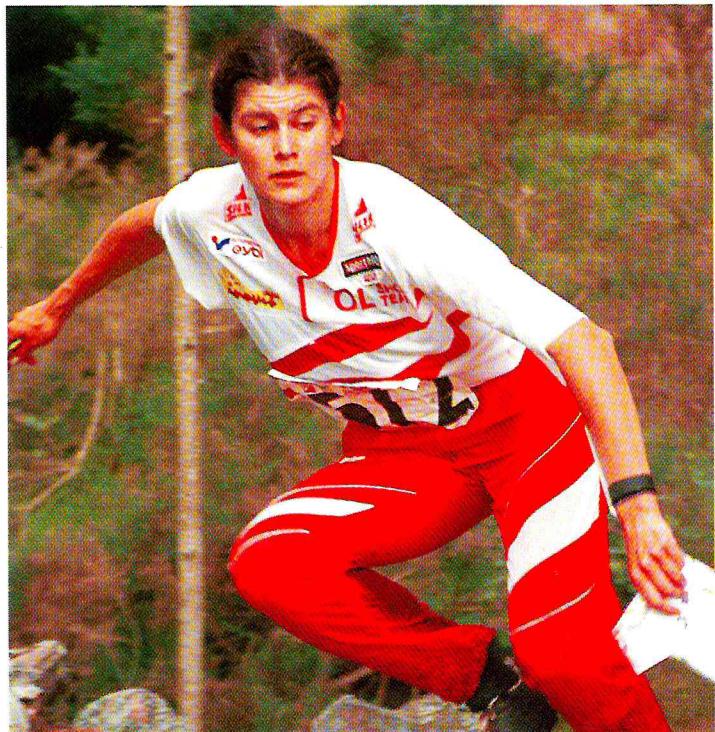




Photo: Tommi Roinela



Photo: Per Nylander



IOF Official Events 1998–2000

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2000

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World Masters Ski Orienteering Championships	50
World Ski Orienteering Championships	50

Junior World Orienteering Championships: Reims, France (13–18 July, 1998)

Classic Distance

Women

1) Hanna Heiskanen FIN 46.25, 2) Tatiana Perelieva RUS 46.42, 3) Eva Jurenikova CZE 50.15, 4) Regula Hulliger SUI 50.17, 5) Wioletta Konkol POL 50.59, 6) Eniko Gall ROM 51.49, 7) Simone Luder SUI 51.53, 8) Riina Kuuselo FIN 52.16, 9) Heli Jukkola FIN 52.50, 10) Ieva Sargautyt LTU 53.15, 11) Kirsten Fairfax AUS 53.29, 12) Natalia Skrzypko POL 53.48, 13) Katalin Hecz HUN 54.39, 14) Tatiana Kostyleva RUS 54.45, 15) Marina Libo RUS 55.20, 16) Diana Vosiliäté LTU 55.50, 17) Ingrid Bronebakk NOR 56.34, 18) Zdenka Stara CZE 57.24, 19) Audrey Perbet FRA 57.46, 20) Rose-Marie Forslund SWE 57.48, 21) Lesla Dyachenko UKR 58.00, 22) Anne-Konring Olesen DEN 58.28, 23) Laura Scaravonati ITA 58.32, 24) Agita Klempere LAT 58.39, 25) Zsuzsa Farkas HUN 58.43, 26) Rachel Elder GBR 58.53, 27) Kristin Johansson SWE 59.03, 28) Galina Galkina RUS 59.10, 29) Natalia Dasal POL 59.50, 30) Chloe Manissolle FRA 59.56, 31) Rasa Paznokaitė LTU 60.03, 32) Alma Biro HUN 60.13, 33) Elisa Dresen GER 60.18, 34) Linda Antonsen NOR 60.39, 35) Luise Karger GER 60.42, 36) Jenify Whitehead GBR 60.49, 37) Christine Raeber SUI 61.42, 38) Christine Tutzer ITA 61.47, 39) Salla Sukki FIN 61.50, 40) Natalia Potopalska UKR 62.02, 41) Anu Annus EST 62.29, 42) Eszter Zsebehazy HUN 62.54, 43) Maria Spasyuk UKR 63.03, 44) Amber Tomas AUS 63.19, 45) Zelma Korlova SVK 63.31, 46) Hanna Andersson SWE 63.50, 47) Vendula Klechova CZE 64.15, 48) Fruzsi Heijas AUT 64.47, 49) Ivelina Andreynska BUL 65.15, 50) Pauline Filet FRA 65.21, 51) Astrid Fritsch SUI 65.32, 52) Rie Baun Christensen DEN 65.34, 53) Elisabeth Schutjes BEL 65.35, 54) Sofie Herremans BEL 65.50, 55) Aija Klempere LAT 67.07, 56) Ingunn Fristad NOR 67.30, 57) Severin Vandermeulen BEL 67.33, 58) Jamie Doe GBR 67.39, 59) Lina Backstrom SWE 67.50, 60) Andrea Eisler AUT 67.56, 61) Penka Stoyanova BUL 68.19, 62) Rebecca Minty AUS 68.26, 63) Ilze Lapina LAT 68.40, 64) Maria Pajaro ESP 69.39, 65) Irina-

Gabr Maiorescu ROM 70.29, 66) Anja Mattick GER 70.44, 67) Toni O'Donovan IRL 70.53, 68) Zuzana Macuchova CZE 72.42, 69) Annieke Baljeu NED 72.49, 70) Katrin Gruber ITA 73.49, 71) Marianne Riddervold NOR 73.57, 72) Jo Stevenson GBR 74.11, 73) Lieke Van-Opstal NED 75.02, 74) Silvia Shandourkova BUL 76.27, 75) Michelle Nash NZL 79.07, 76) Ana Oliveira POR 79.39, 77) Stinne Skammelsen DEN 80.47, 78) Elisabet Hohenwarter AUT 85.20, 79) Cynthia Reece USA 85.21, 80) Jonine Nash NZL 86.17, 81) Sadie Zwicker NED 87.15, 82) Alexandrina Negoita ROM 89.06, 83) Sachiko Agematsu JPN 89.11, 84) Ana Jesovnic CRO 92.39, 85) Esther Gil ESP 94.36, 86) Cristina Estrela POR 101.13, 87) Rei Yamane JPN 105.28, 88) Amparo Gil ESP 110.06, 89) Wakako Ikeda JPN 127.46, 90) Mafalda Almeida POR 127.56, Disq. Marianne Husen DEN.

Men

1) Håkan Peterson SWE 56.17, 2) Thierry Gueorgiou FRA 57.11, 3) Jørgen Rostrup NOR 57.12, 4) Jostein Moe NOR 58.01, 5) Mats Troeng SWE 58.03, 6) Christian Nielsen DEN 58.23, 7) Henrik Jørgensen DEN 58.26, 8) Jonne Lakanen FIN 58.40, 9) Petr Losman CZE 59.46, 10) Francois Gonon FRA 60.10, 11) Sergei Detkov RUS 60.44, 12) Mykhailo Andreyen UKR 61.09, 12) Anders Nordberg NOR 61.09, 14) Felix Bentz SUI 61.16, 15) Darius Sadeckas LTU 61.18, 16) Gediminas Ranonis LTU 61.46, 17) Karl Dravitzki NZL 61.54, 18) Fabien Pasquasy BEL 61.58, 19) Lars Lindstrom DEN 62.03, 20) Rouslan Gritsan RUS 62.04, 21) Brent Edwards NZL 62.35, 22) Hubert Klauser SUI 62.41, 23) Szolt Cserpák HUN 63.42, 24) Pasi Ikonen FIN 63.47, 25) Andrej Maj SVK 63.52, 26) Robert Dittmann GER 64.05, 27) Troy Dehaas AUS 64.14, 28) Joakim Kaminsky SWE 64.16, 29) Petr Balabanov BLR 64.19, 30) Lukasz Kolasinski POL 64.26, 31) Yakiv Sidarenko UKR 64.37, 32) Mikulas Sabo SVK 64.45, 33) Rikard Gunnarsson SWE 65.13, 34) Lorenzo Calabro AUS 65.22, 35) Stefan Surgan SVK 65.24, 36) Roman Bespalov BLR 65.31, 37) Tomas Holas CZE 65.32, 37) Radek Cech CZE 65.32, 39) Silver Eensaar EST 65.48, 40) Jari Sillman FIN 65.49, 41) Andre Leumann SUI 66.08, 42) Michal Parzewski POL 67.09, 43) Andrei Jouravlev BLR 67.15, 44) Juris Zilko LAT 67.33, 45) Ulrik Lassen DEN 67.46, 45) Ed Nash GBR 67.46, 45) Serguei Merentsov RUS 67.46, 48) Vasile Zete ROM 67.48, 49) Pierre Kaltenbacher AUT 68.08, 50) Sami Hamalisto FIN 68.17, 51) Benoit Peyvel FRA 68.20, 52) Viktor Mateics LAT 68.21, 53) David Donaldson CAN 69.05, 54) Christian Ott SUI 69.45, 55) Robert Baker GBR 69.57, 56) Jurgis Krastins LAT 70.00, 57) Robin Lucia Semeniuc ROM 70.04, 58) Sven Meder GER 70.22, 59) Marius Baginskas LTU 70.26, 60) Igor Patras SVK 71.07, 61) David Colls AUS 71.12, 62) Vitaliy Gavrylenko UKR 71.42, 63) Ivar Haugen NOR 71.47, 64) Tobias Breitschadel AUT 73.55, 65) Bence Szash HUN 74.12, 66) Robert Heczko CZE 74.15, 67) Oliver Johnson GBR 74.37, 67) Erik Vliegen BEL 74.37, 69) Shunsuke Konno JPN 74.46, 70) Christian Gigon AUT 75.57, 71) Paul-Mariu Brabescu ROM 76.25, 72) Gabor Friedrich HUN 77.41, 73) Nicholas Mulder RSA 77.52, 74) Wieland Kaerger GER 78.00, 75) Daniel Grif ISR 78.04, 76) Wannes Hendrickx BEL 78.05, 77) Latchezar Iliev BUL 78.09, 78) Giacomo Seidenari ITA 78.16, 79) Nikolay Bonev BUL 78.32, 80) Petar Delic CRO 78.46, 81) Andreas Kraas EST 80.01, 82) Nikolay Dimitrov BUL 80.38, 83) Roger Casal ESP 81.04, 84) Giuseppe Bezzi ITA 81.23, 85) Valentin Erzen SLO 83.18, 86) Marek Nomr EST 83.27, 87) Gabor Lipcsey CAN 84.49, 88) Fraser Mills NZL 86.26, 89) Takeo Shinohara JPN 86.45, 90) Lino Legac CRO 87.55, 91) Ivan Nagy SLO 88.10, 92) Simon Miklavcic SLO 88.25, 93) Marco Bezzi ITA 89.18, 94) Timo Suppi EST 89.38, 95) JR Kenneth Walker USA 90.11, 96) Daniel Fabijanic CRO 92.12, 97) Bruno Oliveira POR 93.57, 98) Arno Swinkels NED 93.59, 99) Marcin Richert POL 95.41, 100) Raul Exposito ESP 96.30, 101) Liron Rigbi ISR 97.11, 102) Jose-Fco Navarro ESP 98.54, 103) Bruno Goncalves POR 99.51, 104) Greg Walker USA 108.53, 105)

David Anderson CAN 113.31, 106) Masashi Ikai JPN 116.38, 107)
Antonio Almeida POR 122.38, 108) Patrick Shannon USA
126.23, 109) Andrwe Quin IRL 133.24, Disq. Pavel Naumov RUS,
Disq. Maksim Shtelma UKR.

Short Distance

Women

1) Tatiana Pereliaeva RUS 26.33, 2) Astrid Fritschi SUI 28.35, 3)
Hanna Heiskanen FIN 28.45, 4) Regula Hulliger SUI 29.03, 5)
Rose-Marie Forslund SWE 29.18, 6) Ingrid Bronebakk NOR
29.48, 7) Eva Jurenikova CZE 30.15, 8) Ieva Sargautyt LTU
30.33, 9) Tatiana Kostyleva RUS 30.40, 10) Elisa Dresen GER
30.44, 11) Lina Backstrom SWE 31.08, 12) Riina Kuuselo FIN
32.02, 13) Angela Wild SUI 32.57, 14) Zdenka Stara CZE 33.03,
15) Christine Raeber SUI 33.35, 16) Eniko Gall ROM 33.53, 17)
Iryna Kupriyanova UKR 34.06, 18) Simone Luder SUI 34.12, 19)
Lena Gommesson SWE 34.16, 20) Diana Vosyliat LTU 34.23,
21) Hanna Andersson SWE 34.26, 22) Audrey Perbet FRA 34.31,
23) Marina Libo RUS 34.48, 24) Pauline Filet FRA 34.51, 25)
Galina Galkina RUS 35.23, 26) Anu Annus EST 35.25, 27)
Elisabeth Schutjes BEL 35.34, 28) Alma Biro HUN 35.35, 29)
Christin Johansson SWE 35.37, 30) Lesla Dyachenko UKR 35.41,
31) Luise Kaerger GER 36.17, 32) Anja Mattick GER 36.37, 33)
Elena Sofiskaia RUS 36.41, 34) Salla Sukki FIN 36.46, 35) Anni
Kulmala FIN 36.56, 36) Rasa Paznokait LTU 37.09, 37) Linda
Antonsen NOR 37.18, 38) Toni O'Donovan IRL 37.51, 39) Irina
Voronina UKR 38.20, 40) Ilze Lapina LAT 38.41, 41) Natalia
Dasal POL 38.42, 42) Katalin Hecz HUN 39.05, 43) Melissa
Thomas AUS 39.06, 44) Vendula Klechova CZE 40.17, 45) Katrin
Gruber ITA 40.35, 46) Andrea Eisl AUT 41.13, 47) Michaela
Mahdalova CZE 41.38, 48) Heli Jukkola FIN 42.10, 49) Malgorzata
Stankiewicz POL 42.17, 50) Natalia Libo RUS 43.17, 51) Linda
Karlsson SWE 44.04, 52) Jenny Whitehead GBR 44.45, 53)
Rachel Elder GBR 46.17, 54) Susanne Berchtold SUI 47.42, 55)
Kinga Patejko POL 50.40, 56) Irina-Gabriela Maiorescu ROM 54.30,
57) Marianne Riddervold NOR 54.37, 58) Agita Klempere LAT
54.49, 59) Christine Tutzer ITA 58.47, 60) Aija Klempere LAT
59.05.

Men

1) Jørgen Rostrup NOR 26.58, 2) Rikard Gunnarsson SWE
29.03, 3) Hakan Peterson SWE 29.24, 4) Jonne Lakanen FIN
29.53, 5) Samuli Salmenoja FIN 30.54, 6) Francois Gonon FRA
30.58, 7) Thierry Gueorgiou FRA 31.08, 8) Christian Ott SUI
31.08, 9) Beat Studer SUI 31.24, 10) Lukasz Kolasinski POL
31.41, 11) Pavel Naumov RUS 32.01, 12) Johan Nordlund SWE
32.12, 13) Maksim Shtelman UKR 32.26, 14) Ulrik Lassen DEN
32.31, 15) Mikko Heikela FIN 32.35, 16) Oliver Johnson GBR
32.39, 16) Radek Cech CZE 32.39, 18) Andreas Kraas EST 32.57,
19) Jari Sillman FIN 33.06, 20) Anders Nordberg NOR 33.10, 21)
Andre Leumann SUI 33.12, 22) Mikhail Senine RUS 33.13, 23)
Yakov Sidarenko UKR 33.18, 24) Robert Dittmann GER 33.28,
25) Petr Losman CZE 33.51, 26) Greger Tysk SWE 33.55, 27)
Tobias Breitschadel AUT 34.06, 28) Serguei Detkov RUS 34.27,
29) Mats Troeng SWE 34.29, 30) Lorenzo Calabro AUS 34.45,
31) Viktor Mateics LAT 34.51, 32) Gabor Lipcsey CAN 35.22, 32)
Serguei Osipov RUS 35.22, 32) Fabien Pasquasy BEL 35.22, 35)
Benoit Peyvel FRA 35.38, 36) Nikolay Dimitrov BUL 35.45, 37)
Felix Bentz SUI 35.58, 38) Marius Baginskas LTU 36.22, 38)
Michal Parzewski POL 36.22, 40) Christian Nielsen DEN 36.23,
41) Timo Suppi EST 36.31, 42) Gediminas Ranonis LTU 36.33,
43) Pasi Ikonen FIN 36.35, 44) Brent Edwards NZL 37.06, 45)
Antonio Serini ITA 38.05, 46) J-Baptiste Bourrin FRA 38.17, 47)
Joakim Kaminsky SWE 38.21, 48) Lars Lindstrom DEN 39.16,
49) Roman Bespalov BLR 40.02, 50) Martin Skrove NOR 40.33,
51) Petr Balabanov BLR 41.59, 52) Ben Chesters GBR 42.04, 53)
Zsolt Cserpak HUN 43.26, 54) Karl Dravitzki NZL 43.45, 55) Troy
Dehaas AUS 44.30, 56) Tore Linde DEN 44.44, 57) Lubomir
Tomecek CZE 46.22, 58) Vitaliy Gavrylenko UKR 48.50, 59)
Serguei Merentsov RUS 52.12, Disq. Radoslaw Bala POL.

Relay

Women

1) Finland-1 (Heli Jukkola, Riina Kuuselo, Hanna Heiskanen)
2.11.50, 2) Russia-1 (Tatiana Kostyleva, Galina Galkina, Tatiana
Pereliaeva) 2.16.16, 3) Switzerland-1 (Astrid Fritschi, Simone
Luder, Regula Hulliger) 2.16.29, 4) Norway-1 (Ingrid Bronebakk,
Linda Antonsen, Marianne Riddervold) 2.16.53, 5) Czech-1
(Vendula Klechova, Zdenka Stara, Eva Jurenikova) 2.21.11, 6)
Sweden-1 (Christin Johansson, Lina Backstrom, Rose-Marie
Forslund) 2.23.32, 7) Poland-1 (Malgorzata Stankiewicz, Natalia
Dasal, Natalia Skrzypek) 2.26.00, 8) Belgium-1 (Severin
Vandermeulen, Sofie Herremans, Elisabeth Schutjes) 2.35.42, 8)
Great Britain-1 (Amy Willis, Rachel Elder, Jenny Whitehead)
2.35.42, 10) France-1 (Chloe Manissolle, Audrey Perbet, Pauline
Filet) 2.36.21, 11) Ukraine-2 (Iryna Kupriyanova, Natalia
Potopalska, Viktoria Plohkenko) 2.37.00, 12) Austria (Fruzsi
Heijas, Elisabet Hohenwarter, Andrea Eisler) 2.37.47, 13) Germany-1
(Luise Kaerger, Anja mattick, Elisa Dresen) 2.46.01, 14)
Hungary-1 (Alma Biro, Eszter Zsebehazy, Katalin Hecz) 2.47.20,
15) Denmark-2 (Rie-Braun Christensen, Rikke Nygaard, Pernille
Sommer) 2.48.25, 16) Australia-1 (Kirsten Fairfax, Melissa
Thomas, Amber Tomas) 2.51.51, 17) Lithuania (Rasa Paznokaitė,
Diana Vosiliaté, Ieva Sargautyté) 2.54.20, 18) Romania
(Alexandrina Negoita, Irina-Gabriela Maiorescu, Eniko Gall) 2.55.09,
19) Latvia (Agita Klempere, Ilze Lapina, Aija Klempere) 3.00.19,
20) Netherlands (Annieke Baljeu, Sadie Zwicker, Lieke Van-
Opstal) 3.12.46, 21) Italy (Laura Scaravonati, Christine Tutzer,
Karin Grubek) 3.16.21, 22) Bulgaria (Ivelina Andreynska, Penka
Stoyanova, Silvia Shandourkova) 3.35.38, 23) Spain (Esther Gil,
Amparo Gil, Maria Pajaro) 4.02.37, 24) Japan-2 (Kimika Yokoe,
Keiko Katsuragi, Yoko Yamada) 4.30.40, 25) Portugal (Mafalda
Almeida, Cristina Estrela, Ana Oliveira) 5.01.47.

Men

1) Sweden-1 (Rikard Gunnarsson, Mats Troeng, Hakan Peterson)
2.15.09, 2) Finland-1 (Pasi Ikonen, Samuli Salmenoja, Jonne
Lakanen) 2.16.36, 3) France-1 (Thierry Gueorgiou, J-Baptiste
Bourrin, Francois Gonon) 2.17.21, 4) Norway-1 (Anders Nordberg,
Jostein Moe, Jørgen Rostrup) 2.17.55, 5) Poland-2 (Marcin Richert,
Wojciec Dwojak, Maciej Stachowiak) 2.20.16, 6) Switzerland-2
(Michael Rinhart, Beat Studer, Christian Ott) 2.22.27, 7) Czech-1
(Robert Heczko, Radek Cech, Petr Losman) 2.22.31, 8) Slovakia-1
(Mikulas Sabo, Igor Patras, Andrej Maj) 2.22.34, 9) New Zealand
(Brent Edwards, Fraser Mills, Karl Dravitzki) 2.22.35, 10) Ukraine-1
(Yakiv Sidarenko, Vitaliy Gavrylenko, Maksim Shtelman) 2.22.46,
11) Belgium-1 (Fabien Pasquasy, Erik Vliegen, Bart Delobel)
2.22.54, 12) Russia-1 (Mikhail Senine, Serguei Detkov, Rouslan
Gritsan) 2.26.15, 13) Germany-1 (Wieland Kaerger, Sven Meder,
Robert Dittmann) 2.26.24, 14) Belorussia (Petr Balabanov, Roman
Bespalov, Andrei Jouravlev) 2.27.57, 15) Estonia (Andreas Kraas,
Silver Eensaar, Timo Suppi) 2.28.39, 16) Great Britain-2 (Robert
Baker, Ed Nash, Stewart Fishwick) 2.28.49, 17) Lithuania
(Gediminas Ranonis, Marius Baginskas, Darius Sadeckas) 2.31.13,
18) Denmark-1 (Jacob Hansen, Christian Nielsen, Henrik
Jørgensen) 2.31.32, 19) Australia (Lorenzo Calabro, David Colls,
Troy Dehaas) 2.33.24, 20) Austria-1 (Felix Breitschadel, Pierre
Kaltenbacher, Tobias Breitschadel) 2.35.40, 21) Hungary-1 (Bence
Szasz, Gabor Friedrich, Zsolt Cserpak) 2.36.43, 22) Latvia (Juris
Zilko, Jurgis Krastins, Viktor Mateics) 2.38.45, 23) Bulgaria
(Latchezar Iliev, Nikolay Bonev, Nikolay Dimitrov) 2.51.43, 24)
Romania (Paul Brabescu, Robin Semeniuc, Vasile Zete) 2.53.13,
25) Canada (Gabor Lipcsey, David Anderson, David Donaldson)
2.55.56, 26) Italy-1 (Giuseppe Bezzi, Antonio Serini, Giacomo
Seidenari) 3.01.32, 27) Croatia-1 (Petar Delic, Lino Legac, Daniel
Fabijanic) 3.21.23, 28) Spain-1 (Raul Exposito, Jose-Fco Navarro,
Roger Casal) 3.35.12, 29) Slovakia (Ivan Nagy, Simon Miklavcic,
Valentin Erzen) 3.35.32, 30) Japan-2 (Shinya Shoda, Hidehito
Shimizu, Tokuro Yamaki) 3.51.39, 31) Portugal (Bruno Goncalves,
Bruno Nazario, Bruno Oliveira) 3.55.51, 32) USA (Patrick Shannon,
JR Kenneth Walker, Greg Walker) 3.57.46.

World Cup in Foot Orienteering 1998

- Event 1 – Killarney, Ireland, 22–23 May
 Event 3 – Lake District, Great Britain, 28 May
 Event 4 – Lake District, Great Britain, 30–31 May
 Event 5 – Gävle, Sweden, 20–24 July
 Event 7 – Krakow, Poland, 14–15 September
 Event 8 – Tetranska Lomnice, Slovakia, 17 September
 Event 9 – Tetranska Lomnice, Slovakia, 19–20 September
 Event 10 – Otepaa, Estonia, 26–27 September
 Event 12 – Hämeenlinna, Finland, 1–2 October,
 Event 13 – Hämeenlinna, Finland, 3 October

Men

		1	3	4	5	7	8	9	10	11	13	Total
1) Chris Terkelsen	DEN	35	45	50	—	39	—	50	45	32	53	282
2) Johan Ivarsson	SWE	37	50	47	50	43	39	4	43		48	281
3) Bjørnar Valstad	NOR	50	47	45	43	45	40	—	47		43	279
4) Jörgen Mårtensson	SWE	33	27	33	47	47	36	45	40	22	42	257
5) Timo Karppinen	FIN	—	36	43	29	35	41	27	38	35	50	243
6) Carl Henrik Bjørseth	NOR	43	41	39	19	21	30	40	26	38	39	240
7) Thomas Bührer	SUI	30	34	9	36	40	47	37	41	26	38	239
8) Jimmy Birklin	SWE	27	43	37	40	4	5	38	38	40	37	236
9) Janne Salmi	FIN	34	—	41	—	26	35	43	28	50	29	232
10) Juha Peltola	FIN	—	—	38	35	34	45	47	21	28	31	230
11) Mikael Boström	FIN	29	39	20	—	15	26	33	35	41	46	223
12) Jani Lakanen	FIN	—	—	—	39	32	25	30	33	38	44	216
13) Fredrik Löwegren	SWE	24	28	12	—	36	8	40	22	47	35	210
14) Valentin Novikov	RUS	47	37	23	45	—	—	—	11	23	32	207
15) Rudolf Ropék	CZE	5	40	6	27	12	50	35	4	19	34	205
16) Peter Jacobsson	SWE	17	19	22	38	29	29	27	31	36	41	204
17) Flemming Jørgensen	DEN	31	35	17	—	25	38	11	29	25	40	198
18) Yuri Omelchenko	UKR	41	29	—	—	50	43	34	—	—	—	197
19) Steven Hale	GBR	45	30	29	30	23	—	—	19	30	18	187
20) Niclas Jonasson	SWE	—	—	—	41	20	24	32	34	30	15	181
21) Thomas Hjerrild	DEN	15	14	13	—	41	32	20	32	27	23	175
22) Kjetil Bjørlo	NOR	40	20	35	—	23	12	—	7	13	36	167
23) Mikhael Mamleev	RUS	—	31	1	28	33	18	31	—	8	25	166
24) Sixten Sild	EST	1	21	—	14	14	33	1	50	14	26	158
25) Svajūnas Ambrasas	LTU	3	9	18	24	37	37	1	20	—	—	145
26) Janis Ozolins	LAT	32	—	26	13	14	—	24	36	—	—	145
27) Bernt Bjørnsgaard	NOR	—	—	—	21	27	27	14	—	34	20	143
28) Edgars Voveris	LTU	1	—	31	16	2	23	—	27	24	21	142
29) Håvard Tveite	NOR	39	23	36	37	—	—	—	—	—	—	135
30) Grant Bluett	AUS	13	15	—25	24	—	—	—	—	31	27	135
31) Allan Mogensen	DEN	—	—	—	—	38	31	21	39	—	—	129
32) Petter Thoresen	NOR	36	25	34	34	—	—	—	—	—	—	129
33) Alain Berger	SUI	5	10	28	—	16	20	28	13	5	24	129
34) Tore Sandvik	NOR	38	—	—	—	28	21	41	—	—	—	129
35) Robert Banach	POL	—	—	32	11	30	22	29	—	—	—	124
36) Daniel Giger	SUI	4	24	25	—	3	6	25	15	17	5	112
37) Kenneth Cederberg	FIN	18	26	20	—	—	28	16	—	—	—	108
38) Michal Jedlicka	CZE	11	4	—	26	18	13	22	5	16	11	106
39) Tomas Asp	SWE	23	22	27	33	—	—	—	—	—	—	105
40) Gábor Domonyik	HUN	16	18	—	10	—	16	—	3	21	22	103
41) Jarkko Huovila	FIN	—	—	—	—	—	—	—	31	33	30	94
42) Stephen Palmer	GBR	—	5	30	15	9	11	18	—	—	—	88
43) Dominik Haag	SUI	7	13	15	—	11	14	15	—	10	—	78
44) Gjermund Hanssen	NOR	—	—	—	—	—	—	—	4	39	33	76
45) Christoph Plattner	SUI	28	33	14	—	—	—	—	—	—	—	75
46) Jonathan Musgrave	GBR	14	8	—	7	—	3	4	10	18	12	69
47) Øystein Kristiansen	NOR	—	—	—	—	—	—	—	19	20	28	67
48) Libor Zridkavesely	CZE	2	7	—	—	31	10	—	3	6	6	63
49) Petteri Muukkonen	FIN	22	—	40	—	—	—	—	—	—	—	62
50) Alistair Landels	NZL	—	—	—	22	10	—	2	—	12	16	62
51) Matthias Niggli	SUI	—	—	—	20	—	—	—	9	15	17	61
52) Thierry Guerorgiou	FRA	—	—	—	—	—	4	9	24	9	14	60
53) Odin Tellesbø	NOR	—	—	—	—	7	15	36	—	—	—	58
54) Christian Mittelholze	SUI	7	1	7	—	—	—	—	16	7	19	57
55) Carsten Jørgensen	DEN	19	32	—	—	—	—	—	—	—	—	51
56) Jon Duncan	GBR	—	—	—	—	5	17	19	—	—	9	50

57) Jozef Pollak	SVK	-	-	21	9	19	-	-	-	-	-	49
58) Sylvain Mougin	FRA	-	-	-	-	-	34	-	-	-	13	47
59) Marian Davidik	SVK	-	-	-	2	17	19	8	-	-	-	46
60) Thomas H. Nielsen	DEN	12	5	5	-	-	-	-	14	2	7	45
61) Vladimir Alekseev	RUS	-	39	5	-	-	-	-	-	-	-	44
62) Jamie Stevenson	GBR	25	17	2	-	-	-	-	-	-	-	44
63) Tomas Prokes	CZE	20	16	4	-	-	-	-	-	-	-	40
64) Oskars Zernis	LAT	-	-	-	-	-	-	13	25	-	-	38
65) Erik Aibast	EST	-	-	3	-	-	-	-	12	12	8	35
66) Miika Hernelahti	FIN	-	-	-	32	-	-	-	-	-	-	32
67) Simo Martomaa	FIN	-	-	-	31	-	-	-	-	-	-	31
68) Michal Horacek	CZE	4	-	12	-	-	7	7	-	-	-	30
69) Radek Novotny	CZE	9	11	8	-	-	-	-	-	-	-	28
70) Colm Rothery	IRE	3	-	24	-	-	-	-	-	-	-	27
71) Torben Skovlyst	DEN	26	-	-	-	-	-	-	-	-	-	26
72) Nerijus Sulcys	LTU	-	-	-	-	2	-	23	-	-	-	25
73) Janusz Porzycz	POL	-	2	10	-	8	-	5	-	-	-	25
74) Lasse Torpo	FIN	-	-	-	23	-	-	-	-	-	-	23
74) Tarvo Avaste	EST	-	-	-	-	-	-	-	23	-	-	23
76) Marius Mañulis	LTU	-	-	-	-	-	5	-	17	-	-	22
77) Michele Tavernaro	ITA	-	-	16	-	-	-	6	-	-	-	22
78) Mikko Vehmas	FIN	21	-	-	-	-	-	-	-	-	-	21
79) Tom Quayle	AUS	-	-	-	18	-	2	-	-	-	-	20
80) Andy Kitchin	GBR	-	-	-	-	-	-	-	8	1	10	19
81) Rémi Gueorgiou	FRA	-	-	-	-	-	-	17	-	-	1	18
82) Jakob Ødum	DEN	-	-	-	17	-	-	-	-	-	-	17
83) Robert Walter	AUS	11	6	-	-	-	-	-	-	-	-	17
84) Christoph Schilter	SUI	-	-	-	12	3	-	-	-	-	-	15
85) Daniel Marston	GBR	-	-	-	-	1	1	12	-	-	-	14
86) Steve Nicholson	GBR	-	12	-	-	-	-	-	-	-	-	12
87) Alexandre Mikhailov	UKR	8	-	-	-	-	4	-	-	-	-	12
88) Morten Fenger-Grøn	DEN	-	-	-	-	-	-	10	-	-	-	10
89) Maxim Riabkin	RUS	-	-	-	4	6	-	-	-	-	-	10
90) Maros Bukováč	SVK	-	-	-	-	-	9	-	-	-	-	9
91) Pavel Kosarek	CZE	-	-	-	8	-	-	-	-	-	-	8
92) Richard Wren	GBR	-	-	-	-	-	-	-	-	5	3	8
93) Rene Rokkjær	DEN	-	-	-	-	-	-	-	-	3	4	7
94) Donatus Schnyder	SUI	-	-	-	6	-	-	-	-	-	-	6
94) Girts Linins	LAT	-	-	-	-	-	-	-	6	-	-	6
96) Frantisek Libant	SVK	-	-	-	1	-	-	5	-	-	-	6
96) Tomas Zakouril	CZE	-	-	-	-	5	1	-	-	-	-	6
98) Rolf Breckle	GER	-	-	4	-	-	-	-	-	-	2	6
99) Alexei Pavlainen	RUS	-	-	-	5	-	-	-	-	-	-	5
99) Juris Zilko	LAT	-	-	-	-	-	-	-	5	-	-	5
99) Eric Morris	AUS	-	-	-	-	-	-	-	-	5	-	5
99) Fabrice Vannier	FRA	-	-	-	-	-	-	-	-	-	5	5
103) Sigmund Gould	GBR	-	-	3	-	-	-	-	2	-	-	5
103) Thomas Krejci	AUT	-	-	-	-	-	3	2	-	-	-	4
105) Carlo Rigoni	ITA	-	4	-	-	-	-	-	-	-	-	4
105) Pavel Moszkowicz	POL	-	-	-	-	4	-	-	-	-	-	4
105) Colm O'Halloran	IRE	-	-	-	-	-	-	-	-	4	-	4
105) Eddie Wymer	AUS	-	-	-	-	-	-	-	-	-	4	4
109) Neil Conway	GBR	-	2	2	-	-	-	-	-	-	-	4
110) Pierpaolo Corona	ITA	-	3	-	-	-	-	-	-	-	-	3
110) Greg Barbour	NZL	-	3	-	-	-	-	-	-	-	-	3
110) Vidas Armalis	LTU	-	-	-	3	-	-	-	-	-	-	3
110) Rafal Krawczyk	POL	-	-	-	-	-	-	3	-	-	-	3
110) Slawomir Wozniak	POL	-	-	-	-	-	-	3	-	-	-	3
110) Robert Theiss	BEL	-	-	-	-	-	-	-	-	3	-	3
110) Robert Jessop	NZL	-	-	-	-	-	-	-	-	-	3	3
117) Bill Edwards	IRE	2	-	-	-	-	-	-	-	-	-	2
117) Lukas Prinda	CZE	-	-	-	-	-	2	-	-	-	-	2
117) Gediminas Ranonis	LTU	-	-	-	-	-	-	-	2	-	-	2
117) Kraas Andreas	EST	-	-	-	-	-	-	-	-	2	-	2
117) Darren Ashmore	NZL	-	-	-	-	-	-	-	-	-	2	2
122) Jan Zazgornik	AUT	-	1	-	-	-	-	-	-	-	-	1
122) Francois Gonon	FRA	-	-	1	-	-	-	-	-	-	-	1
122) Lukas Erne	SUI	-	-	-	-	1	-	-	-	-	-	1
122) Nick Duca	ROM	-	-	-	-	-	1	-	-	-	-	1
122) Girts Vegeris	LAT	-	-	-	-	-	-	-	1	-	-	1

122) Arturas Bartkevicius	LTU	—	—	—	—	—	—	—	1	—	—	1
122) Steven Linton	IRE	—	—	—	—	—	—	—	—	1	—	1
122) Koji Kashimada	JPN	—	—	—	—	—	—	—	—	—	1	1
Women												
		1	3	4	5	7	8	9	10	12	13	Total
1) Hanne Staff	NOR	50	43	37	50	50	40	27	50	41	53	296
2) Johanna Asklöf	FIN	47	47	39	—	47	50	41	37	43	50	294
3) Katarina Borg	SWE	41	40	47	45	43	45	37	41	29	48	269
4) Reeta-Mari Kolkkala	FIN	36	27	41	43	39	47	21	39	47	46	263
5) Sabrina Meister-Fesseler	SUI	39	29	—	—	45	37	45	40	38	42	249
6) Satu Mäkitammi	FIN	—	—	—	47	25	24	47	33	45	46	243
7) Anniina Paronen	FIN	43	37	35	—	34	30	33	35	50	41	241
8) Katarina Allberg	SWE	38	34	45	30	41	43	17	31	40	33	241
9) Gunilla Svärd	SWE	34	16	40	41	32	3	38	47	33	38	238
10) Heather Monro	GBR	22	35	34	39	36	39	43	38	19	35	230
11) Jana Cieslarová	CZE	28	50	1	28	38	33	50	21	10	29	228
12) Annika Viilo	FIN	40	33	17	40	20	11	23	30	32	43	218
13) Brigitte Wolf	SUI	37	19	36	29	37	35	—	36	25	32	213
14) Maria Sandström	SWE	32	30	7	—	28	38	40	—	37	35	212
15) Karin Craig	SWE	30	31	32	37	35	32	36	7	39	26	211
16) Elisabeth Ingvaldsen	NOR	20	26	43	35	23	25	35	26	35	36	210
17) Lucie Böhm	AUT	26	36	26	34	24	26	39	34	36	30	209
18) Birgitte Husebye	NOR	33	39	33	31	30	20	32	28	24	40	208
19) Vroni König-Salmi	SUI	29	32	2	—	33	41	—	29	28	39	203
20) Kirsi Tiira	FIN	31	25	20	—	40	10	31	32	31	27	192
21) Käthi Widler	SUI	35	13	31	—	19	31	30	22	26	31	184
22) Külli Kaljus	EST	11	21	23	—	21	22	15	45	27	25	163
23) Ellen Moen	NOR	—	—	—	32	31	5	34	11	17	21	146
24) Eva Jurenikova	CZE	13	—	11	21	29	28	—	25	4	23	139
25) Maria Honzová	CZE	8	—	25	5	26	29	13	14	21	24	139
26) Yvette Hague	GBR	45	38	50	—	—	—	—	—	—	—	133
27) Ragnhild Myrvold	NOR	18	45	16	—	18	—	23	13	—	—	133
28) Simone Luder	SUI	—	—	—	—	27	28	26	18	11	20	130
29) Karolina Arewång	SWE	—	8	5	—	—	—	—	43	34	37	127
30) Brigitte Grüniger	SUI	25	—	24	13	—	—	—	23	14	15	114
31) Anne Margrethe Hauske	NOR	27	17	—	22	6	9	8	—	30	—	113
32) Tatiana Pereljaeva	RUS	16	—	38	—	—	—	—	—	22	28	104
33) Barbara Baczek	POL	—	28	—	27	5	34	—	—	—	—	94
34) Zsuzsa Fey	ROM	—	—	—	—	14	23	14	6	18	18	93
35) Antonia Wood	NZL	21	5	30	10	3	—	6	9	1	14	90
36) Juliette Soulard	FRA	—	—	—	9	17	15	—	15	15	17	88
37) Tracy Bluett	AUS	—	—	—	17	4	21	19	5	16	7	85
38) Giedré Voveriené	LTU	—	—	—	6	16	7	—	24	20	11	84
39) Elo Saue	EST	—	—	—	12	—	—	—	27	23	17	79
40) Catarina Öberg	SWE	—	—	—	38	22	13	5	—	—	—	78
41) Mária Lubinszki	HUN	12	9	—	16	13	—	18	—	8	10	78
42) Isa Heggedal	NOR	23	7	28	—	—	—	—	—	—	19	77
43) Alix Young	AUS	10	18	13	—	—	—	—	16	5	13	75
44) Ieva Sargautyté	LTU	—	—	—	—	9	36	28	—	—	—	73
45) Olga Lepskova	CZE	24	—	1	18	11	16	—	—	—	—	70
46) Liisa Anttila	FIN	5	43	14	—	—	—	—	—	—	—	62
47) Helen Hargreaves	GBR	—	—	10	—	—	—	29	10	3	8	60
48) Lorna Eades	GBR	17	15	—	7	—	—	—	—	12	9	60
49) Kim Buckley	GBR	14	24	—	20	—	—	—	—	—	—	58
50) Sabine Gilgien	SUI	3	22	27	4	—	—	—	—	—	—	56
51) Tatjana Iaksanova	RUS	5	12	12	25	—	—	—	—	—	—	54
52) Anu Annus	EST	—	—	—	—	—	1	4	19	13	12	49
53) Natasha Key	AUS	4	14	29	—	—	—	—	—	—	—	47
54) Kirti Rebane	EST	—	—	3	—	7	2	4	8	—	23	47
55) Maria Modler Höyer	DEN	—	10	—	—	—	5	—	20	7	5	47
56) Marcela Klapalova	CZE	—	—	—	—	2	19	25	—	—	—	46
57) Tine Rasmussen	DEN	2	—	23	—	—	—	3	12	—	6	46
58) Marcela Kubatková	CZE	6	—	15	19	—	—	—	—	—	—	40
59) Iveta Navratilova	CZE	—	—	—	—	10	18	10	—	—	—	38
60) Eija Koskivaara	FIN	—	—	—	36	—	—	—	—	—	—	36
61) Marika Mikkola	FIN	—	—	—	33	—	—	—	—	—	—	33
62) Ewa Kozlowska	POL	—	—	—	—	15	8	9	—	—	—	32
63) Judith Keinath	GER	—	20	—	11	—	—	—	—	—	—	31
64) Svetlana Gorbatenkova	RUS	19	2	8	—	—	—	—	—	—	—	29

65) Verena Troi	ITA	1	-	9	-	12	-	7	-	-	-	29
66) Jolanta Raňaitienė	LTU	-	-	4	24	-	-	-	-	-	-	28
67) Mary Fien	AUS	-	6	2	-	-	-	20	-	-	-	28
68) Sandra Held-Frei	SUI	-	-	-	8	9	-	11	-	-	-	28
69) Julia Morozova	RUS	4	23	-	-	-	-	-	-	-	-	27
70) Mari Heinonen	FIN	-	-	-	-	26	-	-	-	-	-	26
71) Ildikó Kovács	HUN	-	-	-	-	-	-	24	-	-	-	24
72) Ulrika Ø Jørgensen	DEN	-	-	-	23	-	-	-	-	-	-	23
73) Laura Scaravonati	ITA	-	-	-	-	5	14	3	-	-	-	22
74) Cornelia Eckardt	GER	-	-	21	-	-	-	-	-	-	-	21
75) Anke Xylander	GER	1	-	19	-	-	-	-	-	-	-	20
76) Mariya Spasyuk	UKR	-	-	-	3	17	-	-	-	-	-	20
77) Olga Belozerova	RUS	-	-	18	-	-	-	-	-	-	-	18
78) Jenny Adams	NZL	15	-	3	-	-	-	-	-	-	-	18
79) Irina Misiunienė	LTU	-	2	-	-	-	-	-	17	-	-	17
80) Martina Rakayova	SVK	-	2	-	-	-	-	16	-	-	-	16
81) Vilma Rudzenskaitė	LTU	-	2	-	15	-	-	-	-	-	-	15
82) Encarna Maturana	ESP	-	11	4	-	-	-	-	-	-	-	15
83) Marie-Violain Palcau	FRA	-	-	-	14	-	-	-	-	-	-	14
84) Aneta Matuszkiewicz	POL	-	-	-	-	1	12	-	-	-	-	13
85) Kirsty Bryan-Jones	GBR	-	-	-	-	2	-	12	-	-	-	12
86) Rachel Smith	NZL	-	-	-	-	-	-	1	1	9	-	11
87) Diana Vosyliutė	LTU	-	-	-	2	4	6	1	-	-	-	11
88) Nicky Taws	AUS	9	1	-	-	-	-	-	-	-	-	10
89) Liz Campbell	GBR	7	3	-	2	-	-	-	-	-	-	10
90) Emily Viner	AUS	-	-	2	-	-	-	-	-	6	4	10
91) Jo Smith	GBR	3	4	-	-	-	-	-	-	-	-	7
92) Michaela Gigon	AUT	-	-	6	-	-	-	2	-	-	-	6
93) Natalia Skrzypek	POL	-	-	-	-	-	-	5	-	-	-	5
94) Valerie Leomant	FRA	2	-	-	-	-	2	-	4	-	1	5
95) Katalin Hecz	HUN	-	-	-	-	-	4	-	-	-	-	4
95) Katarina Libantová	SVK	-	-	-	-	-	4	-	-	-	-	4
97) Sasha Middleton	NZL	-	-	-	-	-	-	2	-	2	-	4
97) Helene Hauser	DEN	-	-	-	-	-	2	-	2	-	2	4
99) Katrin Renger	GER	-	-	-	3	-	-	-	-	-	-	3
99) Bernadette Kovács	HUN	-	-	-	-	-	3	-	-	-	-	3
99) Ieva Vegere	LAT	-	-	-	-	-	-	3	-	-	-	3
99) Julie Calder	AUS	-	-	-	-	-	-	-	-	3	3	3
103) Olena Zabrodska	UKR	-	-	-	-	1	-	2	-	-	-	3
104) Una Creagh	IRE	2	-	-	-	-	-	-	-	-	-	2
104) Bohdana Terova	CZE	-	-	2	-	-	-	-	-	-	-	2
104) Alexandra Voitenko	RUS	-	-	-	2	-	-	-	-	-	-	2
104) Monika Tokaji	HUN	-	-	-	-	2	-	-	-	-	-	2
104) Lesya Dyachenko	UKR	-	-	-	-	-	2	-	-	-	-	2
109) Inga Dambe	LAT	-	-	-	1	-	-	-	-	-	-	1
109) Agnes Simon	ROM	-	-	-	-	1	-	-	-	-	1	1

Relay

Relay 1 – Killarney, Ireland, 25 May
 Relay 2 – Krakow, Poland, 12 September
 Relay 3 – Otepaa, Estonia, 29 September

Women

1) Norway 56 (13–20–23), 2) Finland 55 (20–15–20), 3)
 Switzerland 52 (17–17–18), 4) Sweden 44 (15–13–16), 5) Great
 Britain 33 (8–11–14), 6) Czech Republic 29 (7–10–12), 7)
 Denmark 24 (5–9–10), 8) Estonia 21 (0–8–13), 9) Lithuania 14
 (0–7–7), 10) Poland 14 (9–5–0), 11) Australia 12 (0–1–11), 12)
 France 11 (0–2–9), 13) New Zealand 10 (4–0–6), 14) Latvia 8
 (0–0–8), 15) Hungary 6 (0–6–0), 15) Germany 6 (0–6–0), 17)
 Ukraine 4 (0–4–0), 18) Romania 3 (0–3–0), 18) Ireland 3 (3–0–0).

Men

1) Denmark 56 (20–20–16), 2) Sweden 52 (17–17–18), 3) Norway
 40 (13–15–12), 4) Switzerland 38 (15–13–10), 5) Czech Republic
 37 (10–4–23), 6) Finland 36 (11–11–14), 7) Estonia 26 (5–1–20),
 8) Great Britain 26 (7–6–13), 9) Lithuania 22 (4–7–11), 10)
 Poland 14 (6–8–0), 11) Italy 13 (3–10–0), 12) Australia 12 (0–9–3),
 13) Ukraine 11 (8–3–0), 14) Hungary 10 (0–2–8), 15) Latvia 9
 (0–0–9), 16) Russia 9 (9–0–0), 17) New Zealand 8 (2–0–6), 18)

France 7 (0–0–7), 19) Germany 5 (0–0–5), 20) Slovakia 5 (0–5–0),
 21) Ireland 4 (0–0–4), 22) Belgium (1–0–2) 3, Austria 0, Canada 0,
 Japan 0.

World Masters Orienteering Championships: Novy Bor, Czech Republic (1–5 July, 1998)

Women

W80

1) Elizabeth Brown GBR 61.11, 2) Luise Finke GER 79.41.

W75

1) Lillian Ross NOR 65.40, 2) Astrid Andersson SWE 67.45, 3)
 Birgit Carlsson SWE 68.02.

W70

1) Ruzena Novakova CZE 50.43, 2) Karin Rehn SWE 55.05, 3)
 Gunborg Carlsson SWE 55.51.

W65

1) Ulla Bengtsson SWE 50.26, 2) Pirkko Salmenkyla FIN 53.57, 3)
 Rannveig Sommerhein NOR 54.51.

W60

1) Maria Nagyova SVK 46.02, 2) Hilkka Savolainen FIN 46.34, 3)
 Asta Sjoberg SWE 47.02.

- W55
1) Birgitta Olsson SWE 47.04, 2) Ulla Norberg SWE 49.07, 3)
Greta Karlsson SWE 50.12.
- W50
1) Sharon Crawford USA 47.50, 2) Gunilla Bergman SWE 48.26,
3) Renata Vlachova CZE 48.52.
- W45
1) Magda Horvath HUN 43.52, 2) Pavlina Majova SVK 47.03, 3)
Yvette Zaugg SUI 49.39.
- W40
1) Ada Kucharova CZE 46.24, 2) Magda Horova CZE 53.13, 3)
Libuse Fantova CZE 54.39.
- W35
1) Danute Mansson LTU 58.06, 2) Kerstin Hellmann GER 59.22,
3) Iva Knapova CZE 59.55.
- Men**
- M85
1) Esko Elmio FIN 45.07, 2) Gunnar Lillieroth Gunnar SWE
66.37, 3) Elis Ohlstrom SWE 120.34.
- M80
1) Kurt Fredriksson SWE 61.04, 2) Arne Larsson SWE 63.39, 3)
Nils Jonsson SWE 64.59.
- M75
1) Ake Andersson SWE 21.12, 2) Tage Johansson SWE 64.44, 3)
Karl-Erik Pettersson SWE 65.15.
- M70
1) Olav Svaan NOR 51.36, 2) Ture Gunnarsson SWE 52.23, 3)
Roine Eriksson SWE 54.09.
- M65
1) Paavo Pystynen FIN 49.52, 2) Olaf Helgesen NOR 51.21, 3)
Helge Kvaase NOR 53.02.
- M60
1) Paavo Kinnunen FIN 50.40, 2) Pertti Salminen FIN 54.07, 3)
Johannes Varkoi FIN 55.28.
- M55
1) Rune Radestrom SWE 53.39, 2) Stig Berge NOR 55.48, 3)
Martti Kemppi FIN 56.12.
- M50
1) Timo Peltola FIN 57.52, 2) Stefan Larsson SWE 58.07, 3) Bjorn
Nordin SWE 58.52.
- M45
1) Hans Huseby NOR 65.43, 2) Börje Vartiainen FIN 66.04, 3)
Bengt-Goran Mansson SWE 67.25.
- M40
1) Lennart Larsson SWE 68.43, 2) Jukka-Pekka Rantio FIN 69.13,
3) Tomas Vaclavek CZE 70.20.
- M35
1) Zdenek Zuzanek CZE 72.39, 2) Vladimir Alexeev RUS 74.03, 3)
Markku Kaartinen FIN 76.44.

Junior World Ski Orienteering Championships: Yundola, Bulgaria (1–7 March, 1999)

Short distance

Women

- 1) Anna Oustinova RUS 37.21, 2) Katja Rajaniemi FIN 38.29, 3)
Salla Lehto FIN 39.01, 4) Erja Jokinen FIN 39.10, 5) Elena
Kartchevskaia RUS 39.40, 6) Marte Reenaas NOR 39.43, 7) Marie
Lund SWE 40.04, 8) Aino-Maija Hirvi FIN 41.49, 9) Tatiana
Lutoshkina RUS 41.59, 10) Ekaterina Sharapova RUS 42.32, 11)
Maria Bergqvist SWE 42.47, 12) Anna Vorobiova RUS 43.01, 13)
Ekaterina Chizhikova RUS 43.28, 14) Karin Kjellman SWE 43.52,
15) Zdenka Stara CZE 44.09, 16) Lin Thorsell SWE 44.23, 17)
Lena Hermansson SWE 45.16, 18) Iva Datellova CZE 46.15, 19)
Johanna Maxen SWE 46.32, 20) Kjersti Reenaas NOR 46.39, 21)
Stefania Belomazheva BUL 47.33, 22) Martina Fritschi SUI 47.35,
23) Dana Javurkova CZE 48.23, 24) Lene Moe NOR 49.32, 25)
Gabriela Savicova CZE 51.00, 26) Janine Oswald SUI 51.40, 27)

- Anni Raudsepp EST 51.54, 28) Anne Marthine-Rustad NOR
51.59, 29) Uschi Vargaaut AUT 53.35, 30) Kristina Dimitrova BUL
54.16, 31) Michaela Benova SVK 54.58, 32) Anne Heckel GER
55.48, 33) Andreea Iring ROM 56.34, 34) Teodora Malcheva BUL
58.07, 35) Lenka Ondrejkova SVK 58.38, 36) Christiane Tröbe
GER 59.13, 37) Olha Kostiuk UKR 60.58, 38) Elisabeth
Hochwarter AUT 61.13, 39) Alena Prochazkova SVK 62.01, 40)
Natalia Dimitrova BUL 62.13, 41) Radoslava Kuzmanova BUL
62.20, 42) Anca Bors ROM 64.05, 43) Elena Dakhnovska UKR
66.00, 44) Katrin Heumann GER 67.01, 45) Valentyna Tokareva
UKR 68.26, 46) Elena Nazarova UKR 68.30, 47) Iliana
Shandurkova BUL 41.23 Dnf. Manuela Wider SUI.

Men

- 1) Olav Baken-Hagelia NOR 41.59, 2) Pasi Kiiskinen FIN 42.11, 3)
Erik Wiberg SWE 43.29, 4) Peter Dahlberg SWE 44.02, 5) Markus
Kainu FIN 44.21, 6) Jari Sillman FIN 44.26, 7) Vasili Gloukharev
RUS 44.42, 8) Lubomir Tomecek CZE 44.53, 9) Marc Lauenstein
SUI 45.17, 10) Oystein Kvala-Osterbo NOR 45.26, 11) Zbynek
Hora CZE 45.43, 12) Alexander Vlasov RUS 45.49, 13) Ilias
Guizatouline RUS 46.10, 14) Mattis Myhre NOR 46.35, 15) Erik
Engvall SWE 46.51, 16) Petri Kiiskinen FIN 47.03, 17) Stefan
Surgan SVK 48.10, 18) Sergej Rrus LTU 48.11, 19) Boris Fischer
SUI 48.19, 20) Kamil Guizatouline RUS 49.10, 21) Gebhart
Meidinger AUT 49.27, 22) Oystein Pettersen NOR 49.49, 23) Ivan
Nimchuk UKR 50.01, 24) Peter Arnesson SWE 50.06, 25)
Alexander Kourishev RUS 50.10, 26) Greger Tysk SWE 50.12, 27)
Tarmo Tomson EST 50.58, 28) Anton Protasevich RUS 51.01, 29)
Thomas Eyer SUI 51.10, 30) Vasile Zete ROM 51.43, 31) David
Andersson SWE 51.48, 32) Andrej Patras SVK 52.17, 33) Andres
Krahenbuhl SUI 53.14, 34) Arsen Zhuravel UKR 53.46, 35) Mauro
Simoni ITA 53.49, 36) Mircea Bogdan ROM 54.03, 37) Andrii
Borys UKR 54.52, 38) Remo Fischer SUI 55.05, 39) Ionut Filip
ROM 55.11, 40) Kialev Kulaase EST 55.20, 41) Taavi Nurm EST
56.00, 42) Radek Hojgr CZE 56.02, 43) Bernd Kohlschmidt GER
57.48, 44) Michele Ausermuller ITA 59.53, 45) Cristian Handro
ROM 60.05, 46) Ilian Ilkov BUL 61.09, 47) Roberto Ceol ITA
62.35, 48) Kamil Stascik CZE 63.42, 49) Andrii Tuz UKR 65.53, 50)
Elin Hristov BUL 66.17, 51) Boris Karamishev BUL 67.26, 52)
Stephan Varga AUT 73.09, 53) Ilian Todorov BUL 73.17, 54)
Aleksei Yermoshko UKR 73.36, 55) Peter Parak SVK 75.14, Dnf.
Plamen Mestanski BUL Disq. Hristo Todorov BUL Disq. Peter
Otcenas SVK Disq. Gerald Holler AUT Disq. Topi Suomalainen
FIN Disq.

Long distance

Women

- 1) Katja Rajaniemi FIN 57.18, 2) Marie Lund SWE 58.50, 3) Anna
Oustinova RUS 61.00, 4) Erja Jokinen FIN 61.33, 5) Tatiana
Lutoshkina RUS 63.48, 6) Zdenka Stara CZE 63.56, 7) Aino-Maija
Hirvi FIN 64.49, 8) Ekaterina Chizhikova RUS 65.24, 9) Salla
Lehto FIN 66.09, 10) Karin Kjellman SWE 67.02, 11) Teodora
Malcheva BUL 69.01, 12) Maria Bergqvist SWE 69.24, 13)
Ekaterina Sharapova RUS 69.29, 14) Elena Kartchevskaia RUS
71.58, 15) Kjersti Reenaas NOR 72.14, 16) Lin Thorsell SWE
72.43, 17) Johanna Maxen SWE 73.15, 18) Martina Fritschi SUI
73.38, 19) Marte Reenaas NOR 76.03, 20) Lena Hermansson
SWE 76.45, 21) Stefania Belomazheva BUL 77.15, 22) Iva
Datellova CZE 77.55, 23) Gabriela Savicova CZE 79.11, 24) Anne
Marthine-Rustad NOR 80.13, 25) Anni Raudsepp EST 80.54, 26)
Janine Oswald SUI 81.48, 27) Lene Moe NOR 84.57, 28)
Valentyna Tokareva UKR 87.03, 29) Manuela Wider SUI 88.18, 30)
Uschi Vargaaut AUT 90.40, 31) Dana Javurkova CZE 93.49, 32)
Anca Bors ROM 95.23, 33) Olha Kostiuk UKR 97.26, 34) Elena
Nazarova UKR 97.35, 35) Katrin Heumann GER 98.59, 36) Anna
Vorobiova RUS 100.08, 37) Natalia Dimitrova BUL 102.12, 38)
Anne Heckel GER 102.17, 39) Elena Dakhnovska UKR 103.34, 40)
Andreea Iring ROM 104.20, 41) Christiane Tröbe GER 107.41, 42)
Alena Prochazkova SVK 109.36, 43) Iliana Shandurkova BUL
110.03, 44) Kristina Dimitrova BUL 110.49, 45) Lenka Ondrejkova

SVK 129.29, 46) Michaela Benova SVK 133.33, 47) Elisabeth Hochwarter AUT 135.50, 48) Radoslava Kuzmanova BUL 190.03.

Men

1) Topi Suomalainen FIN 78.24, 2) Vasili Gloukharev RUS 79.48, 3) Peter Arnesson SWE 80.15, 4) Marc Lauenstein SUI 80.42, 5) Peter Dahlberg SWE 81.32, 6) Markus Kainu FIN 81.37, 7) Lubomir Tomecek CZE 82.07, 8) Pasi Kiiskinen FIN 83.50, 9) Boris Fischer SUI 84.10, 10) Petri Kiiskinen FIN 84.29, 11) Remo Fischer SUI 85.01, 12) Zbynek Hora CZE 87.03, 13) Erik Wiberg SWE 88.01, 14) Mattis Myhre NOR 88.06, 15) Jari Sillman FIN 88.06, 16) Alexander Vlasov RUS 89.09, 17) Kamil Guizatouline RUS 89.18, 18) Olav Baken-Hagelia NOR 90.29, 19) Alexander Kourishev RUS 91.40, 20) Stefan Surgan SVK 92.30, 21) Ilias Guizatouline RUS 93.40, 22) Anton Protasevitch RUS 93.47, 23) Erik Engvall SWE 94.00, 24) Sergejus Trus LTU 94.02, 25) Oystein Kvaal-Osterbo NOR 95.06, 26) Oystein Pettersen NOR 95.26, 27) Greger Tysk SWE 96.16, 28) David Andersson SWE 96.38, 29) Thomas Eyer SUI 96.59, 30) Vasile Zete ROM 101.22, 31) Tarmo Tomson EST 101.53, 32) Radek Hojgr CZE 102.11, 33) Mircea Bogdan ROM 102.49, 34) Andrii Borys UKR 103.40, 35) Ilian Ilkov BUL 103.53, 36) Bernd Kohlschmidt GER 104.08, 37) Taavi Nurm EST 105.01, 38) Kamil Stascik CZE 105.17, 39) Gerald Holler AUT 105.19, 40) Ivan Nimchuk UKR 107.09, 41) Mauro Simoni ITA 107.26, 42) Andrej Patras SVK 109.17, 43) Gebhart Meidinger AUT 109.29, 44) Cristian Handro ROM 110.26, 45) Kalev Kulaase EST 111.41, 46) Plamen Mestanski BUL 112.30, 47) Ionut Filip ROM 113.13, 48) Eelin Hristov BUL 115.09, 49) Peter Parak SVK

117.48, 50) Michele Ausermuller ITA 119.09, 51) Boris Karamishev BUL 120.09, 52) Stephan Varga AUT 124.33, 53) Andrii Tuz UKR 127.11, 54) Arsen Zhuravel UKR 133.11, 55) Aleksei Yermoshko UKR 156.06, 56) Ilian Todorov BUL 171.34, Disq. Hristo Todorov BUL Disq. Andres Krahnenbuhl SUI Disq. Peter Otcenas SVK Disq. Roberto ceol ITA.

Relay

Women

1) Finland (Jokinen, Lehto, Rajaniemi) 2.02.46, 2) Russia (Sharapova, Chizhikova, Vorobiova) 2.09.53, 3) Sweden (Bergqvist, Kjellman, Lund) 2.13.48, 4) Norway (Reenaas, Marthine-Rustad, Reenaas) 2.19.10, 5) Czech Republic (Datellova, Savicova, Stara) 2.30.08, 6) Bulgaria (Belomazheva, Dimitrova, Malcheva) 2.42.57, 7) Switzerland (Wider, Oswald, Fritsch) 2.43.55, 8) Slovakia (Benova, Ondrejkova, Prochazkova) 3.14.09, 9) Ukraine (Dakhnovska, Tokareva, Kostiuk) 3.15.38.

Men

1) Finland (Kiiskinen, Kainu, Suomalainen) 2.28.51, 2) Sweden (Arnesson, Wiberg, Dahlberg) 2.33.33, 3) Switzerland (Lauenstein, Fischer, Fischer) 2.34.38, 4) Norway (Kvaal-Osterbo, Myhre, Baken-Hagelia) 2.35.34, 5) Russia (Protasevich, Kourishev, Guizatouline) 2.38.58, 6) Czech Republic (Hora, Hojgr, Tomecek) 2.43.16, 7) Bulgaria (Mestanski, Hristov, Todorov) 3.01.00, 8) Austria (Meidinger, Holler, Varga) 3.05.12, 9) Romania (Filip, Bogdan, Zete) 3.07.08, 10) Ukraine (Borys, Zhuravel, Nimchuk) 3.22.02, 11) Italy (Ausermuller, Ceol, Simoni) 3.24.02.

World Cup in Ski Orienteering 1999

Event 1 – Olivone Valle di Blenio, Switzerland, 23 January

Event 2 – Olivone Valle di Blenio, Switzerland, 24 January

Event 3 – Pinzolo/Trentino, Italy, 27 January

Event 5 – Keuruu, Finland, 11 February

Event 7 – Keuruu, Finland, 14 February

Event 8 – Otepää, Estonia, 16 February

Event 10 – Batak, Bulgaria, 3 March

Event 11 – Batak, Bulgaria, 5 March

Men

		1	2	3	5	7	8	10	11	Total
1) Raino Pesu	FIN	40	40	40	–	37	37	40	40	200
2) Björn Lans	SWE	33	37	28	40	40	35	31	35	187
3) Bertil Nordqvist	SWE	37	23	35	30	35	40	24	–	177
4) Matti Keskinarkaus	FIN	30	33	37	–	31	27	30	37	168
5) Viktor Kortchagine	RUS	26	27	25	37	29	33	37	31	167
6) Jukka Lanki	FIN	35	31	20	35	33	29	33	29	167
7) Kjetil Ulven	NOR	27	35	30	–	27	23	35	30	157
8) Lars Lystad	NOR	31	30	33	28	17	31	28	28	153
9) Nicolò Corradini	ITA	29	28	31	33	22	30	26	21	151
10) Pekka Varis	FIN	–	29	29	26	25	24	27	16	136
11) Eduard Khrennikov	RUS	–	11	26	16	23	21	29	33	132
12) Anders Hauge	NOR	25	20	22	31	25	–	25	25	131
13) Andreas Melsom Edvardsen	NOR	28	25	27	17	16	26	–	20	126
14) Vladislav Korntchikov	RUS	12	26	23	24	18	25	23	23	121
15) Tomas Löfgren	SWE	22	15	7	27	20	28	19	–	116
16) Claes Magnus Thuresson	SWE	21	9	22	9	30	20	16	–	109
17) Sergey Komlev	RUS	25	22	18	25	14	–	–	–	104
18) Kalle Junnikala	FIN	13	10	18	–	28	23	20	14	103
19) Jan Pecka	CZE	20	18	23	–	7	14	15	27	99
20) Ola Persson	SWE	15	21	12	21	21	19	–	–	97
21) Walter Seber	ITA	23	19	24	5	8	1	12	10	88
22) Peter Mosimann	SUI	19	17	–	11	–	–	14	22	83
23) Lukas Stoffel	SUI	–	14	14	–	–	–	21	24	73
24) Jakub Vodrazka	CZE	16	16	2	15	6	12	–	–	65
25) Nerijus Sulcys	LTU	9	12	–	–	5	11	8	19	59
26) Eivind Tonna	NOR	–	–	10	–	–	–	22	26	58
27) Tommy Olsen	NOR	18	24	13	–	–	–	–	–	55
28) Nikolai Bondar	RUS	–	–	–	29	26	–	–	–	54
29) Lasse Köngäs	FIN	–	–	–	14	20	18	–	–	52

30) Ander Ojandu	EST	-	2	9	21	4	15	-	-	51
31) Raul Kudre	EST	-	-	-	22	11	16	-	-	49
32) Erling Lefsaker	NOR	-	-	-	19	10	17	-	-	46
33) Todor Kalniev	BUL	-	-	15	-	-	-	17	11	43
34) Arto Lilja	FIN	14	13	-	4	12	-	-	-	43
35) Ondrej Vodrazka	CZE	11	-	11	7	3	6	-	-	38
36) Stefan Lauenstein	SUI	-	-	-	1	1	5	13	17	37
37) Ruslan Gritsan	RUS	-	-	-	8	15	13	-	-	36
38) Christian Hohl	SUI	7	7	3	-	-	10	6	6	36
39) Morten Eliassen	NOR	-	-	-	-	-	-	18	15	33
40) Ilshat Gimranov	RUS	-	-	-	-	-	-	11	18	29
41) Jan Béguin	SUI	6	4	-	3	-	2	10	5	28
42) Helge Kolstad	NOR	-	-	-	23	-	4	-	-	27
43) Philippe Jeanneret	SUI	4	1	5	-	-	-	4	13	27
44) Bengt Leandersson	SWE	-	-	-	13	13	-	-	-	26
45) Luc Béguin	SUI	17	8	-	-	-	-	-	-	25
46) Marcus Buchtele	SUI	2	-	-	10	-	-	7	4	23
47) Christian Faoro	ITA	-	5	-	2	2	3	5	8	23
48) Tomi Ruutiainen	FIN	-	-	-	12	9	-	-	-	21
49) Mikael Lindmark	SWE	8	6	6	-	-	-	-	-	20
50) Vesa Mäkipää	FIN	-	-	18	-	-	-	-	-	18
50) Markku Järvinen	FIN	-	-	-	18	-	-	-	-	18
52) Harald Männel	GER	-	-	-	-	-	-	9	7	16
53) Milan Venhoda	CZE	10	-	4	-	-	-	-	-	14
54) Jaroslav Rygl	CZE	5	-	8	-	-	-	-	-	13
55) Margus Hallik	EST	-	-	-	6	-	7	-	-	13
56) Maxim Tepelin	RUS	-	-	-	-	-	-	9	-	9
56) Kostadin Mitkov	BUL	-	-	-	-	-	-	8	-	8
58) Eero Kivikas	EST	-	-	-	-	-	-	2	3	5
59) Thilo Bruns	GER	-	-	-	-	-	-	-	-	3
60) Ivo Petkov	BUL	-	-	-	-	-	-	3	-	3
60) Franck Dechavanne	FRA	-	3	-	-	-	-	-	-	3
60) Sylvain Moguin	FRA	3	-	-	-	-	-	-	-	2
63) Hannes Pacher	AUT	-	-	-	-	-	-	-	-	2
64) Laurent Dechavanne	FRA	1	-	-	-	-	-	-	-	1
64) Jan Lauerman	CZE	-	-	1	-	-	-	1	-	1
64) Petre Stupu	ROM	-	-	-	-	-	-	-	1	1
64) Aleksei Shtelmarkh	UKR	-	-	-	-	-	-	-	-	1

Women

		1	2	3	5	7	8	10	11	Total
1) Arja Hannus	SWE	30	37	40	37	40	37	35	40	194
2) Lena Hasselström	SWE	40	40	35	35	37	35	40	-	192
3) Annika Zell	SWE	24	30	33	33	35	40	37	37	182
4) Mervi Väistänen	FIN	37	24	40	20	27	30	33	31	168
5) Ann-Charlotte Carlsson	SWE	35	35	30	25	29	-	30	31	161
6) Valborg Madslien	NOR	28	33	31	24	31	19	26	35	158
7) Natalia Naumova	RUS	-	22	27	31	26	33	31	30	152
8) Hanna Kosonen	FIN	27	17	21	30	33	31	27	-	148
9) Mervi Anttila	FIN	33	31	20	-	22	26	29	-	141
10) Stine Hjermstad Kirkevik	NOR	25	27	29	26	30	29	25	-	141
11) Kristin Hasle	NOR	26	28	28	27	24	23	28	26	137
12) Maria Karjalainen	FIN	22	25	26	23	25	22	23	27	126
13) Oksana Isavnina	RUS	-	18	-	29	12	24	22	31	124
14) Terhi Hämäläinen	FIN	-	26	24	22	20	25	24	24	123
15) Mall Alev	EST	29	23	25	-	19	21	-	-	117
16) Barbora Chudikova	CZE	23	21	23	17	16	20	21	29	117
17) Vilma Rudzenskaitė	LTU	20	16	-	19	13	17	20	25	101
18) Regula Mühlmann	SUI	19	15	18	10	9	10	19	22	93
19) Erja Jokinen	FIN	31	20	-	15	21	-	-	-	87
20) Antje Bornhak	GER	18	19	17	11	10	13	-	-	78
21) Katja Rajaniemi	FIN	-	-	-	21	28	28	-	-	77
22) Hanne Sletner	NOR	21	29	22	-	-	-	-	-	72
23) Iris Bader	SUI	14	9	-	-	-	-	18	23	64
24) Svetlana Khaustova	RUS	-	-	-	28	23	-	-	-	51
25) Stina Grenholm	SWE	-	-	-	18	17	16	-	-	51
26) Yvonne Wicki	SUI	12	11	-	7	7	8	13	-	51
27) Barbara Iff	SUI	16	13	15	-	-	-	-	-	44
28) Teresa Kucharova	CZE	13	14	16	-	-	-	-	-	43
29) Tatiana Kortchagina	RUS	-	-	-	13	14	15	-	-	42

30) Liisa Anttila	FIN	-	-	-	40	-	-	-	-	40
31) Marte Reenaas	NOR	-	-	-	12	15	11	-	-	38
32) Olga Hohlova	RUS	-	-	-	-	-	-	16	21	37
33) Marina Sharoevskaia	RUS	-	-	-	-	-	-	17	20	37
34) Erica Johansson	SWE	-	-	-	16	-	18	-	-	34
35) Hannele Valkonen	FIN	-	-	-	14	18	-	-	-	32
36) Vasilka Georgieva	BUL	-	-	-	-	-	-	12	19	31
37) Svetlana Gorlanova	RUS	-	8	19	-	-	-	-	-	27
38) Katrin Renger	GER	15	12	-	-	-	-	-	-	27
39) Lucia Kotryova	SVK	17	7	-	-	-	-	-	-	24
40) Anni Raudsepp	EST	-	-	-	9	8	5	-	-	22
41) Yvonne Gantenbein	SUI	11	10	-	-	-	-	-	-	21
42) Zsuzsa Fey	ROM	-	-	-	8	11	-	-	-	19
43) Eleonora Pavlova	BUL	-	-	-	-	-	-	-	18	18
44) Teodora Maltcheva	BUL	-	6	12	-	-	-	-	-	18
45) Milena Mitkova	BUL	-	-	-	-	-	-	15	-	15
46) Eleonora Nikolova	BUL	-	-	-	-	-	-	14	-	14
46) Jolanta Vosyliuté	LTU	-	-	-	-	-	14	-	-	14
46) Stefania Belomajeva	BUL	-	-	14	-	-	-	-	-	14
49) Monika Oswald	SUI	10	4	-	-	-	-	-	-	14
50) Monika Csucs	ROM	-	-	13	-	-	-	-	-	13
51) Vasilka Georgieva	BUL	-	-	-	-	-	-	12	-	12
51) Maret Vaher	EST	-	-	-	-	-	12	-	-	12
52) Cristina Vanzo	ITA	-	-	11	-	-	-	-	-	11
53) Kiyama Tomoko	JAP	-	3	8	-	-	-	-	-	11
54) Agnes Simon	ROM	-	-	-	6	5	-	-	-	11
54) Yoshiko Sakai	JPN	-	-	-	5	6	-	-	-	11
56) Romina Valt	ITA	-	-	10	-	-	-	-	-	10
57) Christine Kirchlechner	ITA	-	-	9	-	-	-	-	-	9
57) Laima Klaiza	LAT	-	-	-	-	-	9	-	-	9
59) Tuuli Mäeots	EST	-	-	-	-	-	7	-	-	7
60) Dainora Alsauskaité	LTU	-	-	-	-	-	6	-	-	6
61) Maria Parakova	SVK	-	5	-	-	-	-	-	-	5
62) Ede Pähn	EST	-	-	-	-	-	4	-	-	4
63) Janeli Leer	EST	-	-	-	-	-	3	-	-	3

Relay

Relay 1 – Keuruu, Finland, 13 February
 Relay 2 – Otepää, Estonia, 18 February
 Relay 3 – Batak, Bulgaria, 6 March

Women

1) Sweden, 2) Russia, 3) Finland.

Men

1) Finland, 2) Russia, 3) Sweden.

World Masters Ski Orienteering Championships: St. Petersburg, Russia (22–27 February, 1999)

Long distance

Women

W30

1) Irina Medvedeva RUS 58.04, 2) Monika Csucs Rom 100.49, 3) Pam Flynn USA 132.21.

W35

1) Svetlana Berezina RUS 59.45, 2) Olga Kortchagina RUS 75.08.

W40

1) Victoria Fershalova RUS 73.32, 2) Natalia Yelagina RUS 107.27, 3) Margarita Koltsova RUS 107.53.

W45

1) Tatiana Barsukova RUS 46.42, 2) Natalia Gousseva RUS 49.32, 3) Irja Suomalainen FIN 52.31.

W50

1) Anna Gubanova RUS 65.49, 2) Olga Skripova RUS 70.08.

W55

1) Liudmila Laboutina RUS 44.07.

W60

1) Olga Kazantseva RUS 39.15, 2) Eila Pekkarinen FIN 39.29, 3) Zoya Piatakova RUS 48.10.

W70

1) Sole Nieminen FIN 41.51, 2) Saara Koivunen FIN 55.11, 3) Hanna Nuoranne FIN 74.12.

Men

M30

1) Igor Andronov RUS 81.36, 2) Andrey Philonov RUS 85.45, 3) Vyatcheslav Razoumnyi RUS 94.26.

M35

1) Nikolay Bondar RUS 64.04, 2) Serguey Tchernykh RUS 72.34, 3) Scott Pleban USA 78.38.

M40

1) Oleg Menzhack RUS 75.37, 2) Anatoly Ossokin RUS 79.10, 3) Vyacheslav Parkhomenko UKR 80.32.

M45

1) Ivan Shorokhov RUS 53.52, 2) Vyatcheslav Gorelov RUS 55.59, 3) Alexander Koviazin RUS 58.33.

M50

1) Kyösti Mikkola FIN 56.55, 2) Yury Reshetov RUS 61.45, 3) Alexander Skripov RUS 61.51.

M55

1) Victor Kravtchenko RUS 44.19, 2) Valery Manuilov RUS 46.21, 3) Pavel Roussanov RUS 52.29.

- M60
 - 1) Boriss Semionov RUS 44.45, 2) Tarmo Salmi FIN 45.06, 3) Johannes Varkoi FIN 47.04.
- M65
 - 1) Arvo Mikkonen FIN 31.48, 2) Kalinin Boriss RUS 36.55, 3) Jorma Lemmetti FIN 40.14.
- M70
 - 1) Arvo Majonen FIN 42.57, 2) Lauri Piironen FIN 52.43, 3) Vishnyakov Nikolay RUS 55.07.
- M75
 - 1) Martti Kaikkonen FIN 35.52, 2) Olavi Mäenpää FIN 53.54, 3) Vilho Himanen FIN 61.46.
- M85
 - 1) Erik Luntamo FIN 50.39.

Short distance

- Women
 - W30
 - 1) Irina Medvedeva RUS 33.01, 2) Monika Csucs Rom 50.31, 3) Pam Flynn USA 53.45.
 - W35
 - 1) Svetlana Berezina RUS 35.04, 2) Olga Kortchagina RUS 40.36.
 - W40
 - 1) Victoria Fershalaova RUS 38.16, 2) Margarita Koltsova RUS 42.19, 3) Svetlana Gataullina RUS 53.23.
 - W45
 - 1) Irja Suomalainen FIN 30.09, 2) Tatiana Barsukova RUS 30.14, 3) Natalia Gousseva RUS 33.56.
 - W50
 - 1) Anna Gubanova RUS 43.41, 2) Olga Skripova RUS 59.53.
 - W55
 - 1) Liudmila Laboutina RUS 27.35.
 - W60
 - 1) Olga Kazantseva RUS 27.49, 2) Zoya Piatakova RUS 30.23, 3) Eila Pekkarinen FIN 30.26.
 - W70
 - 1) Sole Nieminen FIN 23.27, 2) Saara Koivunen FIN 28.23, 3) Hanna Nuoranne FIN 30.30.

- Men
 - M30
 - 1) Igor Andronov RUS 36.07, 2) Viatcheslav Razoumnyi RUS 39.14, 3) Andrey Philonov RUS 40.04.
 - M35
 - 1) Nikolay Bondar RUS 28.15, 2) Serguey Tchernykh RUS 32.14, 3) Scott Pleban USA 34.23.
 - M40
 - 1) Anatoly Ossokin RUS 33.42, 2) Nikolay Agafonov RUS 34.11, 3) Yury Borodullin RUS 34.20.
 - M45
 - 1) Alexander Koviazin RUS 32.56, 2) Ivan Shorokhov RUS 34.17, 3) Mikhail Razoumnyi RUS 34.20.
 - M50
 - 1) Kyösti Mikkola FIN 31.41, 2) Alexander Skripov RUS 35.46, 3) Hennady Maiorov RUS 36.25.
 - M55
 - 1) Victor Kravtchenko RUS 29.55, 2) Valery Manuilov RUS 30.58, 3) Pavel Roussanov RUS 31.24.
 - M60
 - 1) Johannes Varkoi FIN 27.17, 2) Tarmo Salmi FIN 27.24, 3) Victor Matveev RUS 30.34.
 - M65
 - 1) Arvo Mikkonen FIN 20.41, 2) Paavo Pystynen FIN 22.01, 3) Boriss Kalinin RUS 26.29.
 - M70
 - 1) Arvo Majonen FIN 28.24, 2) Yegor Ivanov RUS 30.12, 3) Lauri Piironen FIN 30.56.
 - M75
 - 1) Vilho Himanen FIN 20.26, 2) Martti Kaikkonen FIN 22.57, 3) Olavi Mäenpää FIN 31.11.

- M85
 - 1) Erik Luntamo FIN 44.31.

Junior World Orienteering Championships: Varna, Bulgaria (5–11 July, 1999)

Classic distance

- Women
 - 1) Regula Hulliger SUI 52.57, 2) Tatiana Perelyeva RUS 53.05, 3) Katalin Hecz HUN 53.37, 4) Heli Jukkola FIN 54.39, 5) Vendula Klechova CZE 54.53, 6) Sara Forsström FIN 54.55, 7) Salla Sukki FIN 55.42, 8) Samantha Saeger USA 56.07, 9) Zuzana Macuchova CZE 56.38, 10) Tatiana Kostileva RUS 57.16, 11) Marine Riddervold NOR 57.43, 12) Astrid Fritschi SUI 57.48, 13) Johanna Seppinen FIN 58.18, 14) Evgeniya Belova RUS 58.18, 15) Darlya Smolik RUS 59.10, 16) Linda Antonsen NOR 59.26, 17) Natalia Potopalska UKR 59.29, 18) Brite Riddervold NOR 59.35, 19) Sofie Herremans BEL 60.05, 20) Galina Galkina RUS 60.06, 21) Hannah Wootton GBR 60.59, 22) Zdenka Stara CZE 61.12, 23) Wioletta Konkol POL 61.18, 24) Asta Eigelyté LTU 61.39, 25) Jilia Saednia RUS 61.40, 26) Marta Florkowsha POL 61.50, 27) Monika Gozdzik POL 61.58, 28) Mirkka Salmelin FIN 62.10, 29) Gaelle Blanchard FRA 62.14, 30) Caroline Kaipe SWE 62.42, 31) Martina Schindlerova CZE 63.01, 32) Lesia Diatchenko UKR 63.04, 33) Rebecca Minty AUS 63.11, 34) Zuzana Stehnova CZE 63.29, 35) Tatiana Budnik BLR 63.52, 36) Zsuzsanna Farkas HUN 64.03, 37) Bodil Holmstrom FIN 64.07, 38) Elisabeth Hohenwarter AUS 64.16, 39) Pernilla Eriksson SWE 64.31, 40) Kathrin Gruber ITA 64.45, 41) Signe Soes DEN 64.47, 42) Susanne Berchtold SUI 64.53, 43) Lin Torsel SWE 64.58, 44) Stinne Skammelsen DEN 65.18, 45) Ellefsen Lye Tone NOR 65.23, 46) Anu Annus EST 65.31, 47) Melissa Thomas AUS 65.47, 48) Angela Wild SUI 65.52, 49) Andrea Eisli AUT 65.54, 50) Rikke Nygaard DEN 66.07, 51) Fruzsika Heijas AUT 66.15, 52) Kathryn Ewels AUS 66.23, 53) Saverine Vandermeulen BEL 67.14, 54) Valentina Dimitrova BUL 67.23, 55) Orla Myrray AUS 67.27, 56) Anne Marie Bleken NOR 67.34, 57) Doris Sabre EST 67.56, 58) Age Poom EST 67.59, 59) Julia Minty AUS 68.10, 60) Christine Tutzer ITA 68.33, 61) Irina Maiorescu ROM 68.54, 62) Barbara Hohenwarter AUT 68.55, 63) Gyongyi Mihaly ROM 69.07, 64) Perrine Manissolle FRA 69.31, 65) Piia Paasmaa EST 69.39, 66) Livia Seemann SUI 70.00, 67) Heather Burrows GBR 70.04, 68) Oksana Khanovskai BLR 70.10, 69) Birgit Eisli AUT 70.26, 70) Kartin Holzer GER 70.26, 71) Rachael Elder GBR 70.41, 72) Christensen Rie Baun DEN 70.58, 73) Christine Kirchlechner ITA 71.10, 74) Helen Palmer GBR 71.21, 75) Kajsa Guterstan SWE 71.28, 76) Lisa Brown GBR 71.41, 77) Pauñaita Sandra LTU 71.44, 78) Iryna Kupriyanova UKR 71.54, 79) Olena Sverkunova UKR 72.46, 80) Pernille Sommer DEN 72.47, 81) Eva Makrai HUN 72.48, 82) Alma Biro HUN 72.51, 83) Lisa Frith NZL 72.52, 84) Sandra Zurcher USA 73.43, 85) Esther Gil Brotons ESP 73.57, 86) Elisa Dresen GER 74.45, 87) Linda Karisson SWE 74.46, 88) Laetitia Piolat FRA 75.21, 89) Magali Coupat FRA 75.39, 90) Lieke van Opstal NED 75.57, 91) Blanka Folprechtova CZE 75.58, 92) Ivelina Ivanova BUL 76.38, 93) Julie Bøbel NOR 77.23, 94) Alina Negoita ROM 77.25, 95) Zsuzsanna Domjan HUN 77.37, 96) Christiane Trusse GER 78.07, 97) Iryna Nishkur UKR 78.25, 98) Laura Mols BEL 78.35, 99) Pernille Ibsen Kaas DEN 79.01, 100) Linda Arone LAT 79.29, 101) Insa Muller GE R 79.35, 102) Ana Karnia POL 80.20, 103) Natalia Dimitrova BUL 80.21, 104) Ana Jesovnik CRO 80.37, 105) Danielle Winslow AUS 81.31, 106) Erin Olafsen USA 82.24, 107) Veerle Bayraert BEL 83.45, 108) Yoko Bamba JPN 83.52, 109) Amparo Gil Brotons ESP 84.38, 110) Helen Bridle GBR 84.41, 111) Oana Papurica ROM 87.21, 112) Penka Stoyanova BUL 87.27, 113) Imke van Opstal NED 87.55, 114) Talija Bobovska MKD 89.24, 115) Petya Koseva BUL 91.46, 116) Liliana Guiomar POR 96.23, 117) Kimika Yokoe JPN 97.17, 118) Polina Paskaleva BUL 98.29, 119) Ana Oliveira POR 99.38, 120) Milena Ckripeska MKD 100.06, 121) RafaelaRua POR 102.14, 122) Hiromi Takahashi JPN 115.42, 123) Ayumi

Mashiyama JPN 116.08, 124) Dafina Pesjareska MKD 117.55, 125) Monika Javanova MKD 121.17, 126) Yoko Yamada JPN 122.42, 127) Sonja Nase YUG 127.35, 128) Junko Shiota JPN 135.28, DNF Darinka Atanasova MKD, DSQ Viktoria Plokhenco UKR, DSQ Daniela Wehrli SUI, DSQ Ellefsen Lye Tone NOR, DSQ Malin Sand SWE, DSQ Nina Babić SLO, DSQ Snezana Boskovska MKD.

Men

1) Andrei Hramov RUS 69.18, 2) Miko Heikelä FIN 72.32, 3) Troy de Haas AUS 73.03, 4) Sergey Dedkov RUS 73.52, 5) Pasi Ikonen FIN 75.01, 6) Michael Reinhard SUI 76.42, 7) Jakiv Sidliarenko UKR 77.10, 8) Thierry Gueorgiou FRA 77.15, 9) Andreas Muller SUI 78.38, 10) Mykhailo Andreev UKR 78.55, 11) Ed Nash GBR 79.22, 12) Mikkel Lund DEN 79.46, 13) Henrik Jorgensen DEN 80.03, 14) Jaromir Svhovsky CZE 80.48, 15) Robert Dittmann GER 81.31, 16) Per Andreasson SWE 81.32, 17) Rune Strandberg NOR 81.33, 18) Petr Losman CZE 81.41, 19) Michal Parzewski POL 81.42, 20) Jiri Kazda CZE 81.52, 21) Christian Ott SUI 82.08, 22) Kval Oystein Osterbo NOR 82.17, 23) Zbynek Hora CZE 82.18, 24) Christian Hansen DEN 82.23, 25) Darius Sadeckas LTU 82.27, 26) Janis Krumins LAT 82.28, 27) Maciej Stachowiak POL 82.29, 28) Beat Studer SUI 82.34, 29) Peter Öberg SWE 83.41, 30) Felix Bentz SUI 84.08, 31) Chrostoph Bruder GER 84.24, 32) Paul Brabescu ROM 84.24, 33) Svante Nilsson FIN 84.27, 34) Jari Sillman FIN 84.37, 35) Mykola Dovzhenko UKR 84.49, 36) Michal Smola CZE 84.51, 37) Dimitry Safonov RUS 85.13, 38) Jacob Gronnegaard DEN 85.46, 39) Sergiy Mykhidinov UKR 85.59, 40) Alessio Tenani ITA 86.03, 41) Hans Olof Amblie NOR 86.15, 42) Jonas Haraldsson SWE 86.17, 43) Martin Lampinen SWE 86.24, 44) Pavel Naumov RUS 86.37, 45) Andrew Hill AUS 86.42, 46) Jan Troeng SWE 86.58, 47) Imre Dedinszky HUN 87.14, 48) Lukas Schulthess SUI 87.43, 49) Lachezar Iliev BUL 87.51, 50) Wojciech Dwojak POL 88.28, 51) Radoslaw Bala POL 88.34, 52) Dmitry Syichev RUS 89.14, 53) Bence Szasz HUN 90.26, 54) Jon Briger Aarnes NOR 90.33, 55) Antonio Serini ITA 90.38, 56) Andrej Maj SVK 90.50, 57) Rune Monrad DEN 91.11, 58) Ivar Haugen NOR 91.30, 59) Andrew Etherden GBR 91.32, 60) Damien Renard FRA 91.36, 61) Aaron Prince NZL 91.37, 62) Ben Roberts GBR 91.55, 63) Timo Saarinen FIN 92.07, 64) Rastislav Seman SVK 92.50, 65) Henriks Paunäs LTU 92.55, 66) Oskar Gustafsson SWE 93.04, 67) Ulrik Lassen DEN 93.06, 68) Dmitry Mironov BLR 93.07, 69) Pieter Hendrickx BEL 93.24, 70) Gareth Candy AUS 93.33, 71) Stuart Barr NZL 93.34, 72) Pavol Bukovac SVK 93.41, 73) Mate Tas HUN 93.55, 74) Krzysztof Nowicki POL 93.56, 75) Peter Gloncak SVK 93.58, 76) Mattew Crane GBR 93.58, 77) Christian Kahrs NOR 94.21, 78) Dmitry Mihalkin BEL 95.06, 79) Jones David Brieckhill AUS 95.08, 80) Francesco Isella ITA 95.29, 81) Benoit Peyvel FRA 96.25, 82) Ivan Afanasev BLR 96.50, 83) Jean Baptiste Bourrin FRA 97.10, 84) Michael Hohenwarter AUT 97.21, 85) Chris Heppenstall GBR 97.35, 86) Bence Sprox HUN 98.03, 87) Alexander Lubina GER 99.18, 88) Perica Delic CRO 99.46, 89) Maciej Grabowski POL 99.54, 90) Nicolas Girsch FRA 00.11, 91) Dmitry Somov RUS 00.48, 92) Emanuele Patton ITA 01.42, 93) Nick Hain AUS 01.48, 94) Nikolai Orlinov BUL 01.57, 95) Matthias Wolf AUT 02.08, 96) Lopez Antonio Lopez ESP 02.11, 97) Yves Bries BEL 03.11, 98) Felix Breitschaedel AUT 03.13, 99) Tomas Hendrickx BEL 03.16, 100) Diaz Raul Martinez ESP 03.31, 101) Marek Nomm EST 04.18, 102) Michael White AUS 04.40, 103) Kristjan Gans EST 05.17, 104) Dragisa Bauer YUG 05.37, 105) Jan Gilot BEL 06.08, 106) Dragan Antunovic CRO 06.12, 107) Mattew Backler NZL 07.21, 108) Stefan Hristov BUL 08.26, 109) Arti Albert EST 08.36, 110) Pelado Raul Exposito ESP 09.23, 111) Tomoyaso Tazaki JPN 09.26, 112) Ruiz Alfonso Bustillo ESP 10.46, 113) Priit Poopuu EST 11.31, 114) Geert Simkens BEL 11.40, 115) Andrey Abadgiev BUL 12.00, 116) Raul Martinez Lara ESP 12.07, 117) Plamen Mestanski BUL 13.07, 118) Attila Molnár HUN 13.12, 119) Mark Innes CAN 14.10, 120) Gintautas Bloñe LTU 14.27, 121) Sven Meder GER 14.41, 122) Heroyuki Kato JPN 14.49, 123) Klemen Cadez SLO 15.14, 124) Dries Heuninckx BEL 15.48, 125) Simon Miklavcic SLO 17.39, 126) Zsolt Cserpak HUN

18.11, 127) Liron Rigbi ISR 18.22, 128) Nikola Tot CRO 22.47, 129) Ciprian Popa ROM 22.58, 130) Clive Parry GBR 24.57, 131) Abam Schek CAN 25.51, 132) Masakane Oshima JPN 26.25, 133) Igor Godoba MDA 28.15, 134) Yusuke Masuda JPN 28.15, 135) Daniel Fabijanic CRO 30.42, 136) Tomoyasu Kozuka JPN 35.30, 137) Nuno Leite POR 36.44, 138) Andrej Tasic YUG 37.55, 139) Ross Smith USA 38.28, 140) Greg Walker USA 38.41, 141) Bruno Nazario POR 40.43, 142) Ehood Azencourt ISR 41.14, 143) Avelino Pinto POR 45.14, 144) Shawn Leonard USA 46.32, 145) Toni Kostov MKD 60.22, 146) Martin Mirceski MKD 66.53, ? Marko Bacanac YUG, ? Blagojce Velkoski MKD, DNS Garcia Jose Fco Navarro ESP, DNS Oleksiy Yermoshko UKR, DSQ Francois Gonon FRA, DSQ Dmytro Durkin UKR, DSQ Lubomir Tomecek CZE, DSQ Vasile Zete ROM, DSQ Kiril Yovchev BUL, DSQ Takuya Kanazawa JPN, DSQ Jonne Lakanen FIN, DSQ Jamie Stewart NZL, DSQ Gebhart Meidinger AUT.

Short distance

Women

1) Regula Hulliger SUI 26.31, 2) Salla Sukki FIN 27.41, 3) Johanna Seppinen FIN 28.21, 4) Vendula Klechova CZE 28.48, 5) Pernilla Eriksson SWE 28.54, 6) Zdenka Stara CZE 29.10, 7) Kajsa Guterstan SWE 29.42, 8) Tatiana Pereleyeva RUS 30.10, 9) Zsuzsanna Domjan HUN 30.11, 10) Tatiana Kostileva RUS 30.15, 11) Anu Annus EST 30.29, 12) Viktorija Plokhenco UKR 30.39, 13) Rachael Elder GBR 31.21, 14) Susanne Berchtold SUI 31.22, 15) Marine Riddervold NOR 31.24, 16) Jilia Saednia RUS 31.30, 17) Linda Antonsen NOR 31.40, 18) Eva Makrai HUN 31.40, 19) Zuzana Stehnova CZE 32.02, 20) Heli Jukkola FIN 32.12, 21) Andrea Eisl AUT 32.14, 22) Seemann Livia SUI 32.24, 23) Elisa Dresen GER 32.29, 24) Sara Forsström FIN 32.30, 24) Evgeniya Belova RUS 32.30, 26) Malin Sand SWE 32.32, 26) Blanka Folprechtova CZE 32.32, 28) Lesia Diatchenko UKR 32.35, 29) Zuzana Macuchova CZE 32.39, 30) Katalin Hecz HUN 32.54, 31) Doris Sabre EST 33.11, 32) Magali Coupat FRA 33.44, 33) Lin Torsel SWE 34.06, 34) Alma Biro HUN 34.07, 35) Daniela Wehrli SUI 34.08, 36) Fruzsika Hejjas AUT 34.09, 37) Alina Negoita ROM 34.13, 38) Iryna Kupriyanova UKR 34.34, 39) Orla Myrray AUS 35.00, 40) Melissa Thomas AUS 35.38, 41) Caroline Kaipe SWE 35.40, 42) Darlya Smolik RUS 35.57, 43) Stinne Skammelsen DEN 36.18, 44) Signe Soes DEN 36.22, 45) Monika Gozdzik POL 36.25, 46) Valentina Dimitrova BUL 36.28, 47) Age Poom EST 36.47, 48) Mirkka Salmelin FIN 36.54, 49) Kartin Hoelzer GER 37.12, 50) Heather Burrows GBR 37.14, 51) Marta Florkowska POL 37.48, 52) Linda Karisson SWE 38.05, 53) Astrid Fritsch SUI 38.45, 54) Sandra Pauzaite LTU 41.57, 55) Iryna Nishkur UKR 43.39, 56) Lieke van Opstal NED 44.43, 57) Laetitia Piolat FRA 45.21, 58) Martina Schindlerova CZE 51.45, DNS Sofie Herremans BEL, DSQ Laura Mols BEL.

Men

1) Jonne Lakanen FIN 24.41, 2) Sergey Dedkov RUS 24.50, 3) Thierry Gueorgiou FRA 25.01, 4) Felix Bentz SUI 25.03, 5) Miko Heikelä FIN 25.39, 6) Pasi Ikonen FIN 25.45, 7) Andreas Muller SUI 26.15, 8) Christian Hansen DEN 26.36, 9) Mykhailo Andreev UKR 27.04, 10) Francois Gonon FRA 27.22, 10) Troy de Haas AUS 27.22, 12) Andrei Hramov RUS 27.24, 13) Zbynek Hora CZE 27.28, 14) Chrostoph Bruder GER 27.30, 14) Christian Kahrs NOR 27.30, 16) Hans Olof Amblie NOR 27.34, 17) Michal Parzewski POL 27.42, 18) Robert Dittmann GER 27.45, 18) Peter Öberg SWE 27.45, 18) Oleksiy Yermoshko UKR 27.45, 21) Per Andreasson SWE 27.55, 22) Dmytro Durkin UKR 27.56, 23) Martin Lampinen SWE 28.04, 24) Ed Nash GBR 28.11, 25) Krzysztof Nowicki POL 28.21, 26) Lukas Schulthess SUI 28.22, 27) Lachezar Iliev BUL 28.23, 27) Maciej Stachowiak POL 28.23, 29) Dmitry Syichev RUS 28.24, 29) Ben Roberts GBR 28.24, 31) Jonas Haraldsson SWE 28.29, 32) Beat Studer SUI 28.37, 33) Dmitry Mihalkin BLR 28.39, 34) Christian Ott SUI 28.59, 35) Jari Sillman FIN 29.07, 35) Dmitry Safonov RUS 29.07, 37) Petr Losman CZE 29.21, 38) Janis Krumins LAT 29.23, 39) Henrik

Jørgensen DEN 29.25, 40) Darius Sadeckas LTU 29.29, 41) Attila Molnar HUN 29.36, 42) Alessio Tenani ITA 29.46, 43) Jaromir Svhovsky CZE 30.34, 44) Jiri Kazda CZE 31.09, 45) Bence Sprok HUN 31.19, 46) Paul Brabiescu ROM 31.33, 47) Oystein Kvaal Osterbo NOR 31.55, 48) Andew Hill AUS 32.02, 49) Timo Saarinen FIN 32.03, 50) Jean Baptiste Bourrin FRA 32.05, 51) Marek Nomm EST 32.18, 52) Oskar Gustafsson SWE 32.40, 53) Pavel Naumov RUS 33.36, 54) Dmitry Somov RUS 33.42, 55) Radoslaw Bala POL 33.43, 56) Andew Etherden GBR 34.47, 57) Lubomir Tomecek CZE 35.42, 58) Andrey Abadiev BUL 36.10, Disq. Henrikas Pauñas LTU, Disq. Dmitry Mironov., 52) Arti Albert EST 49.27, DNS Alexander Lubina GER, DNS Kristjan Gans EST, DNS Wojciech Dwojak POL, DNS Maciej Grabowski POL, DNS Felix Breitschaedel AUT, DNS Jan Troeng SWE, Disq. Mykola Dovzhenko UKR, Disq. Bence Szasz HUN.

Relay

Women

1) RUS 1 (Tatiana Kostileva, Evgeniya Belova, Tatiana Perelyeva) 2.13.20, 2) UKR 1 (Iryna Kupriyanova, Viktoria Plokhenko, Natalia Potopalska) 2.13.22, 3) SUI 1 (Angela Wild, Astrid Fritschi, Regula Hulliger) 2.14.00, 4) CZE 1 (Zuzana Macuchova, Zdenka Stara, Vendula Klechova) 2.15.27, 5) FIN 1 (Johanna Seppinen, Salla Sukki, Heli Jukkola) 2.19.52, 6) RUS 2 (Jilia Saednia, Darlya Smolik, Galina Galkina) 2.20.48, 7) FIN 2 (Mirkka Salmelin, Bodil Holmstrom, Sara Forsström) 2.21.14, 8) NOR 2 (Tone Ellefsen Lye, Julie Bøbel, Anne Marie Bleken) 2.21.33, 9) HUN (Alma Biro, Zsuzsanna Farkas, Katalin Hecz) 2.22.19, 10) AUT (Heijas Fruzsi, Birgit Eisl, Andrea Eisl) 2.23.09, 11) SUI (Livia Seemann, Susanne Berchtold, Daniela Wehrli) 2.24.45, 12) NOR 1 (Linda Antonsen, Brite Riddervold, Marianne Riddervold) 2.24.48, 13) SWE 2 (Caroline Kaipe, Linda Karisson, Lin Torsel) 2.24.56, 14) FRA (Perrine Manissolle, Magali Coupat, Laetitia Piolat) 2.30.48, 15) CZE 2 (Blanka Folprechtova, Martina Schindlerova, Zuzana Stehnova) 2.31.05, 16) ROM (Gyongyi Mihaly, Alina Negoita, Irina Maiorescu) 2.41.07, 17) AUS 1 (Danielle Winslow, Julia Minty, Orla Myrray) 2.46.00, 18) POL (Monika Gozdzik, Marta Florkowsha, Wioletta Konkol) 2.46.05, 19) DEN 1 (Pernille Sommer, Signe Soes, Stinne Skammelsen) 2.46.07, 20) DEN 2 (Rikke Nygaard, Christensen Rie Baun, Ibsen Pernille Kaas) 2.46.09, 21) SWE 1 (Kajsa Guterstan, Pernilla Eriksson, Malin Sand) 2.49.04, 22) AUS 2 (Rebecca Minty, Kathryn Ewels, Melissa Thomas) 2.49.08, 23) UKR 2 (Iryna Nishkur, Lesia Diatchenko, Olena Sverkunova) 2.51.23, 24) EST (Anu Annus, Age Poom, Doris Sabre) 2.51.48, 25) ITA (Christine Tutzer, Kathrin Gruber, Christine Kirchlechner) 2.57.00, 26) BLR (Tatiana Budnik, Oksana Kshanovskai, Irina Sheleg) 2.57.01, 27) GER (Insa Muller, Kartin Hoelzer, Elisa Dresen) 2.58.37, 28) GBR 1 (Rachael Elder, Heather Burrows, Hannah Wootton) 3.00.04, 29) BUL 1 (Penka Stoyanova, Ivelina Ivanova, Valentina Dimitrova) 3.00.44, 30) BEL (Saverine Vandermeulen, Laura Mols, Veerle Bayraert) 3.03.30, 31) GBR 2 (Helen Bridle, Helen Palmer, Lisa Brown) 3.12.21, 32) USA (Samantha Saeger, Sandra Zurcher, Erin Olafsen) 3.34.31, 33) JPN 1 (Yoko Bamba, Yoko Yamada, Kimika Yokoe) 3.46.27, 34) JPN 2 (Hiromi Takahashi, Ayumi Mashiyama, Junko Shioota) 4.22.22, 35) POR (Rafaela Rua, Liliana Guiomar, Ana Oliveira) 5.17.42, dsq. BUL 2 (Petya Koseva, Natalia Dimitrova, Polina Paskaleva), dsq. MKD 2 (Snezana Bobkovska, Monika Javanova, Darinka Atanasova), dsq. MKD 1 (Talija Bobovska, Milena Ckripeska, Dafina Pesjareska).

Men

1) FIN 1 (Pasi Ikonen, Jonne Lakanen, Miko Heikelä) 2.23.18, 2) FRA 1 (Benoit Peyvel, Thierry Gueorgiou, Francois Gonon) 2.25.05, 3) SUI 1 (Beat Studer, Christian Ott, Felix Bentz) 2.25.06, 4) CZE 1 (Jaromir Svhovsky, Zbynek Hora, Petr Losman) 2.27.02, 5) CZE 2 (Jiri Kazda, Michal Smola, Lubomir Tomecek) 2.29.06, 6) SWE 1 (Jan Troeng, Peter Öberg, Martin Lampinen) 2.29.14, 7) POL 1 (Radoslaw Bala, Michal Parzewski, Maciej Stachowiak) 2.30.04, 8) SUI 2 (Andreas Muller, Lukas Schulthess, Michael

Reinhard) 2.30.07, 9) FIN 2 (Jari Sillman, Svante Nilsson, Timo Saarinen) 2.34.12, 10) NOR 1 (Christian Kahrs, Rune Strandberg, Ivar Haugen) 2.34.16, 11) UKR 2 (Dmytro Durkin, Sergiy Mykhidinov, Mykola Dovzhenko) 2.37.33, 12) SWE 2 (Jonas Haraldsson, Per Andreasson, Oskar Gustafsson) 2.37.53, 13) AUS 1 (Troy de Haas, Jones David Brieckhill, Andrew Hill) 2.38.56, 14) RUS 2 (Dmitry Syichev, Dimitry Safonov, Dmitry Somov) 2.39.43, 15) ROM (Ciprian Popa, Vasile Zete, Paul Brabescu) 2.41.25, 16) DEN 2 (Jacob Gronnegaard, Ulrik Lassen, Rune Monrad) 2.42.28, 17) DEN 1 (Christian Hansen, Mikkel Lund, Henrik Jorgensen) 2.42.30, 18) LTU (Henrikas Pauñas, Gintautas Bloňe, Darius Sadeckas) 2.42.41, 19) HUN 2 (Mate Tas, Bence Szasz, Imre Dedinszky) 2.42.45, 20) NOR 2 (Jon Briger Aarnes, Oystein Kvaal Osterbo, Hans Olof Amblie) 2.42.55, 21) FRA 2 (Baptiste Bourrin Jean, Nicolas Girsch, Damien Renard) 2.48.49, 22) SVK (Pavol Bukovac, Andrej Maj, Rastislav Seman) 2.49.17, 23) AUT (Michael Hohenwarter, Gebhart Meidinger, Felix Breitschaedel) 2.51.27, 24) UKR 1 (Jakov Sidliarenko, Mykhailo Andreev, Oleksiy Yermoshko) 2.52.14, 25) HUN 1 (Zsolt Cserpak, Attila Molnar, Bence Sprok) 2.52.29, 26) POL (Maciej Grabowski, Wojciech Dwojak, Krzysztof Nowicki) 2.54.49, 27) AUS 2 (Gareth Candy, Michael White, Nick Hain) 2.58.19, 28) BLR (Dmitry Mironov, Dmitry Mihalkin, Ivan Afanasev) 3.01.03, 29) NZL (Stuart Barr, Jamie Stewart, Aaron Prince) 3.01.09, 30) GBR 2 (Matthew Crane, Clive Parry, Chris Heppenstall) 3.01.14, 31) BUL 2 (Plamen Mestanski, Stefan Hristov, Andrey Abadiev) 3.01.20, 32) GER (Alexander Lubina, Chrostoph Bruder, Robert Dittmann) 3.06.03, 33) BUL 1 (Nikolai Orlinov, Kiril Yovchev, Lachezar Iliev) 3.10.42, 34) BEL 1 (Tomas Hendrickx, Gilot Jan, Heuninckx Dries) 3.11.07, 35) BEL 2 (Pieter Hendrickx, Yves Bries, Geert Simkens) 3.13.04, 36) EST (Marek Nomm, Priit Poopuu, Arti Albert) 3.24.57, 37) ESP 2 (Ruiz Alfonso Bustillo, Martinez Raul Lara, Garcia Jose Fco Navarro) 3.32.53, 38) CRO (Perica Delic, Daniel Fabijanic, Dragan Antunovic) 3.34.23, 39) POR (Nuno Leite, Avelino Pinto, Bruno Nazario) 3.40.34, 40) JPN 1 (Tomoyaso Tazaki, Heroyuki Kato, Takuya Kanazawa) 3.40.42, 41) ESP 1 (Lopez Antonio Lopez, Diaz Raul Martinez, Pelado Raul Exposito) 3.57.24, 42) YUG (Marko Bacanac, Dragisa Bauer, Andrej Tasic) 3.59.09, 43) JPN 2 (Masakane Oshima, Yusuke Masuda, Tomoyasu Kozuka) 4.08.12, 44) USA (Greg Walker, Shawn Leonard, Ross Smith) 4.39.16, dsq. RUS 1 (Pavel Naumov, Andrei Hramov, Sergey Dedkov), dsq. ITA (Alessio Tenani, Antonio Serini, Isella Francesco), dsq. MKD (Toni Kostov, Martin Mirceski, Blagojce Velkoski), dsq. GBR (Ed Nash, Ben Roberts, Andew Etherden).

World Masters Orienteering Championships: Aarhus, Denmark (18–23 July, 1999)

Women

W85

1) Leida Sevruk EST 2.49.42.

W80

1) Elizabeth Brown GBR 44.43, 2) Luise Finke GER 53.17, 3) Inga Löwdin SWE 59.12.

W75

1) Astrid Andersson SWE 42.11, 2) Lillian Røss NOR 50.30, 3) Jean Velecky GBR 52.26.

W70

1) Ulla-Britt Hall SWE 45.26, 2) Sole Nieminen FIN 46.14, 3) Signe Nyman SWE 49.42.

W65

1) Clarie Ek SWE 38.02, 2) Eila Rintanen FIN 38.03, 3) Lilia Poh UKR 38.16.

W60

1) Eivor Steen-Olsson SWE 35.24, 2) Eila Pekkarinen FIN 37.46, 3) Asta Siöberg SWE 38.15.

W55

1) Carol McNeill GBR 34.47, 2) Birgitta Olsson SWE 37.57, 3) Ulla Linde SWE 39.00.

W50

1) Karin Gustafsson SWE 33.57, 2) Galina Vecchininn RUS 34.10,
3) Yvette Zaugg Söliamt SUI 36.44.

W45

1) Roz Clayton NZL 34.09, 2) Magdalena Horova CZE 39.31, 3)
Tatiana Barsoukova RUS 41.47.

W40

1) Heidrun Finke GER 46.40, 2) Jannike Wåhlberg SWE 48.57, 3)
Ada Kucharova CZE 49.54.

W35

1) Laila Höglund SWE 46.19, 2) Anne Nurmi FIN 48.12, 3) Auli
Hovikorpi FIN 51.18.

Men

M90

Mispunched Arthur Lindkvist SWE.

M85

1) Gunnar Lillieroth SWE 45.19, 2) Esko Elmiö FIN 46.00, 3) Elis
Ohlström SWE 57.28.

M80

1) Erik Sillerström SWE 35.01, 2) Håkon Blommegård SWE 38.16,
3) Arne Larsson SWE 39.58.

M75

1) Harry Ahlqvist SWE 39.26, 2) Jouko Knaapi FIN 46.14, 3)
Anders Dovlin SWE 49.39.

M70

1) Ture Gunnarsson SWE 43.38, 2) Nisse Bohman SWE 43.52, 3)
Arne Puurinen FIN 46.05.

M65

1) Per-Olof Bengtsson SWE 46.26, 2) Arvo Mikkonen FIN 47.13,
3) Paavo Pystynen FIN 48.50.

M60

1) Roland Karlsson SWE 48.57, 2) Göran Karlsson SWE 49.23, 3)
Kai Ø. Laursen DEN 49.47.

M55

1) Rune Rådeström SWE 47.31, 2) Raimo Karvonen FIN 50.25, 3)
Arne Grøndahl DEN 51.18.

M50

1) Dieter Wolf Söliamt SUI 49.42, 2) Timo Harju FIN 50.28, 3)
Veikko Loukonen FIN 51.13.

M45

1) Vitali Chegarovski RUS 52.23, 2) Sigurd Dæhli Løten NOR
53.25, 3) Svend Erik Mathiassen SWE 54.19.

M40

1) Sixten Westlund SWE 1.02.14, 2) Ari Kattainen FIN 1.02.41, 3)
Bengt Levin SWE 1.03.00.

M35

1) Mats Hellstadius SWE 1.13.16, 2) Jon Musgrave GBR 1.17.03,
3) Arild Aasheim NOR 1.17.12.

World Orienteering Championships:

Inverness, Great Britain (1–8 August, 1999)

Classic distance

Women

1) Kirsi Boström FIN 1.17.56, 2) Hanne Staff NOR 1.18.29, 3)
Johanna Asklöf FIN 1.18.32, 4) Yvette Baker GBR 1.19.09, 5)
Hanne Sandstad NOR 1.19.37, 6) Reeta-Mari Kolkkala FIN
1.19.45, 7) Külli Kaljus EST 1.19.57, 8) Heather Monro GBR
1.21.21 9) Brigitte Wolf Switzerland SUI 1.21.41 10) Giedré
Voveriené LTU 1.22.27 11) Frauke Schmitt Gran GER 1.22.33, 12)
Katarina Allberg SWE 1.22.34, 12) Vroni König-Salmi SUI 1.22.34,
14) Anette Granstedt SWE 1.22.37, 15) Sabrina Meister-Fesseler
SUI 1.23.51, 16) Danute Månnsson LTU 1.24.01, 17) Lucie Böhm
Austria AUT 1.24.39, 18) Elisabeth Ingvaldsen NOR 1.24.42, 19)
Tracy Bluett AUS 1.24.52, 20) Anna Garin ESP 1.25.22, 21) Kim
Buckley GBR 1.25.36, 22) Gunilla Svärd SWE 1.25.53, 23) Liisa
Anttila FIN 1.26.25, 24) Katarina Borg SWE 1.27.01, 25) Maret
Vaher EST 1.27.05 26) Jana Cieslarová CZE 1.27.14, 27) Ragnhild

Myrvold NOR 1.27.53, 28) Birgitte Husebye NOR 1.27.57, 29)
Karin Schmalfeld GER 1.28.15, 30) Tania Robinson NZL 1.28.22,
31) Nina Vinnytska UKR 1.28.24, 32) Nicki Taws AUS 1.28.25, 33)
Käthi Widler SUI 1.29.28, 34) Ewa Kozlowska POL 1.29.52, 35)
Aneta Matuszkiewicz POL 1.30.42, 36) Dorte Dahl DEN 1.30.49,
37) Jenny James GBR 1.31.33, 38) Alix Young AUS 1.31.43, 39)
Tatiana Perelieva RUS 1.33.09, 40) Ildikó Kovács HUN 1.33.14,
41) Zsuzsa Fey ROM 1.33.15, 42) Eva Jureníková CZE 1.33.48, 43)
Barbara Baczk POL 1.34.06, 44) Helene Hausner DEN 1.35.12,
45) Anna Gornicka POL 1.35.23, 46) Judith Keinath GER 1.35.56,
47) Ruth Vaher EST 1.35.59, 48) Juliette Soulard FRA 1.36.20, 49)
Antonia Wood NZL 1.37.12, 50) Tatiana Kostileva RUS 1.37.54,
51) Kirti Rebane EST 1.40.54, 52) Marcela Klapalova CZE 1.41.28,
53) Encarna Maturana ESP 1.43.24, 54) Vilma Rudzenskaitė LTU
1.43.26, 55) Maryia Spasyuk UKR 1.44.22, 56) Jenni Adams NZL
1.45.14, 57) Yvonne Fjordside DEN 2.02.19, DSQ Katalin Oláh
HUN, DSQ Laure Coupat FRA, DSQ Nafasha Key AUS.

Men

1) Bjørnar Valstad NOR 1.37.24, 2) Carl Henrik Bjørseth NOR
1.40.20, 3) Alain Berger SUI 1.40.26, 4) Jimmy Birklin SWE
1.42.29, 5) Johan Ivarsson SWE 1.42.50, 6) Petter Thoresen NOR
1.42.57, 7) Bernt Bjørnsgaard NOR 1.43.15, 8) Jon Tvedt NOR
1.43.34, 9) Thomas Bührer SUI 1.43.41, 10) Christoph Plattner
SUI 1.44.07, 11) Carsten Jørgensen DEN 1.45.03, 12) Steven Hale
GBR 1.45.37, 13) Edgaras Voveris LTU 1.46.37, 14) Marian
Davidik SVK 1.46.42, 15) Flemming Jørgensen DEN 1.46.45, 16)
Håkan Eriksson SWE 1.47.14, 17) Kenneth Cederberg FIN
1.47.26, 18) Marius Mañulis LTU 1.47.51, 19) Allan Mogensen
DEN 1.47.59, 20) Timo Karppinen FIN 1.48.37, 21) Michele
Tavernaro ITA 1.48.52, 22) Mikhail Mamleev RUS 1.49.31, 23) Yuri
Omelchenko UKR 1.49.36, 24) Janne Salmi FIN 1.49.51, 25) Jon
Duncan GBR 1.50.05, 26) Michal Horacek CZE 1.50.28, 27) Mats
Haldin FIN 1.50.47, 28) Janis Ozolins LAT 1.51.04, 29) Sixten Sild
EST 1.52.09, 30) Robert Banach POL 1.52.15, 31) Nerijus Sulcys
LTU 1.53.24, 32) Jamie Stevenson GBR 1.53.38, 33) Alistair
Landels NZL 1.54.12, 34) Michael Wehlin SWE 1.55.13, 35) Tarvo
Avaste EST 1.55.37, 36) Janusz Porzyczek POL 1.55.40, 37) Rudolf
Ropek CZE 1.55.50, 38) Sylvain Mougin FRA 1.56.41, 39) Michal
Jedlicka CZE 1.57.04, 40) Oleksandr Mykhaylov UKR 1.57.12, 41)
Józef Pollak SVK 1.58.58, 42) Thomas H Nielsen DEN 1.59.06, 43)
Daniel Giger SUI 2.00.11, 44) Olle Karner EST 2.01.45, 45) Bruce
McLeod NZL 2.02.10, 46) Darren Ashmore NZL 2.05.06, 47)
Thomas Krejci AUT 2.05.18, 48) František Libant SVK 2.06.29, 49)
Libor Zridkavěsely CZE 2.08.42, 50) Michael Thierolf GER
2.09.09, 51) Tom Quayle AUS 2.09.24, 52) Greg Barbour NZL
2.11.02, 53) Andreas Pölzl AUT 2.11.53, 54) Fabien Pasquasy BEL
2.11.59, 55) Ingo Horst GER 2.14.28, 56) Guntars Smitins LAT
2.18.20, 57) Erik Aibast EST 2.27.02, 58) Andras Simon Romania
ROM 2.27.12, DSQ Svajūnas Ambrasas LTU, DSO Igor Trukhan
UKR.

Short distance

Women

1) Yvette Baker GBR 25.55, 2) Lucie Böhm AUT 26.57, 3) Frauke
Schmitt-Gran GER 27.48, 4) Sanna Nyholm FIN 27.50, 4)
Marlena Jansson SWE 27.50, 6) Hanne Sandstad NOR 27.55, 7)
Vroni König-Salmi SUI 28.24, 8) Johanna Asklöf FIN 28.39, 9)
Sabrina Meister SUI 28.44, 10) Gunilla Svärd SWE 28.56, 11) Eija
Koskiavaara FIN 29.09, 12) Heather Monro GBR 29.15, 13) Külli
Kaljus EST 29.17, 14) Tracy Bluett AUS 29.18, 15) Simone Luder
SUI 29.24, 16) Tatiana Perelieva RUS 29.27, 17) Kirsi Boström
FIN 29.34, 18) Dorte Dahl DEN 29.40, 19) Helene Hausner DEN
30.00, 20) Pamela James CAN 30.19, 21) Maria Sandström SWE
30.20, 22) Hanne Staff NOR 30.24, 23) Karin Schmalfeld GER
30.28, 24) Eva Jureníková CZE 30.38, 25) Jenni Adams NZL 30.59,
26) Natasha Key AUS 31.05, 27) Elisabeth Ingvaldsen NOR 31.07,
28) Karolina Arewång SWE 31.36, 29) Vilma Rudzenskaitė LTU
31.41, 30) Marcela Klapalova CZE 31.44, 31) Tatiana Kostileva
RUS 31.50, 32) Giedré Voveriené LTU 31.58, 33) Lorna Eades

GBR 32.03, 34) Danuté Månnsson LTU 32.12, 35) Anna Garin ESP 32.24, 36) Kirti Rebane EST 32.26, 37) Rasa Jaugelienė LTU 32.33, 38) Zsuzsa Fey ROM 32.34, 39) Tine Rasmussen DEN 32.50, 40) Encarna Maturana ESP 32.55, 41) Nicki Taws AUS 33.17, 42) Cassie Trewin AUS 33.21, 43) Pavlina Brautigam USA 33.28, 44) Ellen Moen NOR 33.29, 45) Maria Modler Hoyer DEN 33.58, 45) Michaela Gigon AUT 33.58, 47) Tania Robinson NZL 34.07, 48) Toni O'Donovan IRL 34.25, 49) Renate Fauner ITA 34.48, 50) Mária Lubinszki HUN 35.24, 51) Brigitte Wolf SUI 35.39, 52) Bernadette Kovács HUN 35.46, 53) Helen Hargreaves GBR 35.55, 54) Olena Zabrodska UKR 36.03, 55) Juliette Soulard FRA 36.24, 56) Katarina Libantova SVK 37.01, 57) Ruth Vaher EST 37.16, 58) Barbara Baczek POL 38.55, 59) Anna Gornicka Poland POL 39.33, 60) Barbara Tobler AUT 41.59.

Men

1) Jørgen Rostrup NOR 25.48, 2) Juha Peltola FIN 26.11, 3) Janne Salmi FIN 26.14, 4) Jani Lakanen FIN 26.15, 5) Håkan Eriksson SWE 26.24, 6) Johan Ivarsson SWE 26.44, 7) Petter Thoresen NOR 26.59, 8) Steven Hale GBR 27.01, 9) Mikael Boström FIN 27.15, 10) Bjørnar Valstad NOR 27.20, 11) Alain Berger SUI 27.24, 12) Tore Sandvik NOR 27.28, 13) Jørgen Olsson SWE 27.30, 14) Michal Horacek CZE 27.34, 15) Rudolf Roperek CZE 27.53, 16) Edgaras Voveris LTU 27.55, 17) Timo Karppinen FIN 27.58, 18) Jimmy Birklin SWE 28.04, 19) Allan Mogensen DEN 28.16, 20) Marius Mañulis LTU 28.20, 21) Yuri Omelchenko UKR 28.21, 21) Michal Jedlicka CZE 28.21, 23) Thomas Jensen DEN 28.31, 24) Thierry Gueorgiou FRA 28.34, 25) Matthias Niggli SUI 28.39, 26) Nerijus Sulcys LTU 28.47, 27) Mikhail Mamleev RUS 28.58, 28) Oleksandr Mykhaylov UKR 29.25, 29) Thomas Bührer SUI 29.26, 30) Jozef Pollak SVK 29.49, 31) Christoph Plattner SUI 29.56, 32) Thomas Krejci AUT 30.07, 33) Michele Tavernaro ITA 30.13, 34) Jamie Stevenson GBR 30.15, 35) Gábor Domonyik HUN 30.26, 36) Norbert Helminger AUT 30.31, 37) Dave Peel GBR 30.32, 38) Frantisek Libant SVK 30.37, 39) Janusz Porzycz Poland POL 30.45, 40) Marcus Pinker IRL 30.53, 41) Tarvo Avaste EST 31.02, 42) Remi Gueorgiou FRA 31.07, 43) Alistair Landels NZL 31.09, 44) Pierpaolo Corona ITA 31.13, 45) Troy De Haas Australia AUS 31.37, 46) Rolf Breckle GER 32.02, 47) Erik Aibast EST 32.03, 48) Vyacheslav Mukhidinov UKR 32.49, 49) Bruce McLeod NZL 32.50, 50) Olle Karner EST 32.52, 51) Jan Zazgornik AUT 33.00, 52) Mike Smith CAN 33.24, 53) Robert Banach POL 33.41, 54) Jozef Wallner SVK 33.55, 55) Paul Marius Brabescu ROM 34.18, 56) Rafal Krafczyk POL 35.31, 57) Fabrice Vannier FRA 35.34, 58) Paolo Mario Grassi ITA 39.05, 59) Guntars Smitins LAT 40.18, 60) Javier Gomez ESP 40.43.

Relay

Women

1) NOR (Birgitte Husebye, Elisabeth Ingvaldsen, Hanne Sandstad, Hanne Staff) 2.55.56, 2) FIN (Reeta-Mari Kolkkala, Sanna Nymalm, Kirsi Boström, Johanna Asköf) 2.56.10, 3) SWE (Katarina Allberg, Marlena Jansson, Anette Granstedt, Gunilla Svärd) 2.57.59, 4) GBR (Kim Buckley, Heather Monro, Jenny James, Yvette Baker) 2.58.05, 5) SUI (Vroni König-Salmi, Käthi Widler, Brigitte Wolf, Sabrina Meister-Fesseler) 2.59.37, 6) LTU (Giedré Voverienė, Vilma Rudzenskaitė, Rasa Jaugelienė, Danuté Månnsson) 3.19.11, 7) AUS (Tracy Bluett, Alix Young, Natasha Key, Nicki Taws) 3.24.20, 8) GER (Judith Keinath, Anke Xylander, Karin Schmalfeld, Frauke Schmitt Gran) 3.24.25, 9) CZE (Petra Novotna, Eva Jureníková, Marcela Klapalov, Jana Cieslarová) 3.24.28, 10) HUN (Bernadette Kovács, Ágnes Wengrin, Mária Lubinszki, Ildikó Kovács) 3.27.05, 11) FRA (Juliette Soulard, Pauline Filet, Laure Coupat, Marie-Violaine Palcau) 3.33.43, 12) AUT (Andrea Eisl, Lucie Böhm, Michaela Gigon, Barbara Tobler) 3.35.24, 13) ITA (Laura Scaravonati, Renate Fauner, Verena Troi, Sabine Rottensteiner) 3.37.28, 14) UKR (Marya Spasyuk, Iryna Kupriyanova, Olena Zabrodska, Nina Vinnytska) 3.38.25, 15) EST (Kirti Rebane, Ruth Vaher, Maret Vaher, Külli Kaljus) 3.47.14, 16) NZL (Jenni Adams, Antonia Wood, Rachel Smith, Tania

Robinson) 3.47.39, 17) DEN (Maria Modler Hoyer, Helene Hausner, Tine Rasmussen, Dorte Dahl) 3.58.14, 18) CAN (Pamela James, Sandy Smith, Cherie Mahoney, Marie-Catherine Bruno) 4.06.23, 19) ESP (Anna Garin, Encarna Maturana, Laia Santamaría, Anna Amigo) 4.21.51, 20) USA (Pavlina Brautigam, Karen Williams, Eileen Breseman, Peggy Dickison) 4.29.11, 21) JPN (Yuka Kinnami, Nobuko Miyoshi, Rika Tajima, Shihoko Ochiai) 4.31.17, 22) IRL (Una Creagh, Toni O'Donovan, Ailbhe Creedon, Julie Cleary) 5.09.47, DNF POL (Ewa Kozlowska, Aneta Matuszkiewicz, Anna Gornicka, Barbara Baczek).

Men

1) NOR (Tore Sandvik, Bernt Bjørnsgaard, Petter Thoresen, Bjørnar Valstad) 3.21.50, 2) FIN (Jani Lakanen, Juha Peltola, Mikael Boström, Janne Salmi) 3.25.27, 3) SWE (Jimmy Birklin, Håkan Eriksson, Jörgen Olsson, Johan Ivarsson) 3.26.50, 4) SUI (Daniel Giger, Alain Berger, Christoph Plattner, Thomas Bührer) 3.28.09, 5) GBR (Jon Duncan, Jamie Stevenson, Stephen Palmer, Steven Hale) 3.28.59, 6) LTU (Svajūnas Ambrasas, Nerijus Sulcys, Marius Mañulis, Edgaras Voveris) 3.31.47, 7) DEN (Morten Fenger-Grøn, Flemming Jørgensen, Carsten Jørgensen, Allan Mogensen) 3.37.58, 8) CZE (Tomas Prokes, Michal Horacek, Michal Jedlicka, Rudolf Roperek) 3.40.42, 9) EST (Tarlo Avaste, Erik Aibast, Olle Karner, Sixten Sild) 3.42.44, 10) AUS (Grant Bluett, Stephen Craig, Rob Walter, Tom Quayle) 3.46.36, 11) POL (Rafal Krafczyk, Robert Banach, Sławomir Wozniak, Janusz Porzycz) 3.46.50, 12) FRA (Sylvain Mougin, Remi Gueorgiou, Francois Gonon, Thierry Gueorgiou) 3.48.34, 13) ITA (Michele Tavernaro, Pierpaolo Corona, Roberto Pradel, Carlo Rigoni) 3.50.55, 14) SVK (Frantisek Libant, Jozef Pollak, Jozef Wallner, Marian Davidik) 3.51.14, 15) GER (Rolf Breckle, Ingo Horst, Robert Dittmann, Tilo Pompe) 3.51.20, 16) NZL (Darren Ashmore, Greg Barbour, Bruce McLeod, Alistair Landels) 3.56.08, 17) AUT (Christian Mohn, Thomas Krejci, Norbert Helminger, Jan Zazgornik) 3.58.08, 18) LAT (Oskars Zernis, Girts Vegeris, Guntars Smitins, Janis Ozolins) 3.58.10, 19) BEL (Fabien Pasquasy, Nicolas Sillien, Robert Theiss, Wim Peers) 4.03.42, 20) UKR (Maksym Shtelmakh, Oleksandr Mykhaylov, Igor Trukhan, Vyacheslav Mukhidinov) 4.03.48 21) JPN (Koji Kashimada, Tomohisa Fujiki, Toshiyuki Matsuzawa, Shin Murakoshi) 4.11.33, 22) IRL (John Feehan, James Logue, Marcus Pinker, Colm Rothery) 4.14.42, 23) HUN (Gábor Domonyik, Péter Vonyó, Ferenc Vinicza, Zoltán Dénes) 4.14.44 24) CAN (Wil Smith, Mike Smith, Alaric Fish, Douglas Mahoney) 4.31.10, 25) USA (Eric Bone, James Scarborough, Joe Brautigam, Mark Everett) 4.31.10, 26) ESP (Jose Garcia, Pedro Pasion, Javier Gomez, Alberto Minguez) 4.39.07, 27) ROM (Ovidiu Mugurel Mutiu, Andras Simon, Mihai Veres, Nick Duca) 4.49.41, 28) RSA (Martin Terry, Nicholas Mulder, Colin Dutkiewicz, Richard Gathercole) 5.23.08, 29) ISR (Daniel Griff, Daniel Gutman, Noam Ravid, Matan Naftaly) 5.42.32, DNF HKG (Alexander Robert Morgan, Steve Holmes, Ng K, Geoff Peck).

World Cup in Mountain Bike Orienteering 1999

	Men	12/10	15/10	16/10	30/10	31/10	Total
1)	Mougin Sylvain, FRA	200.0 (1)	174.0 (7)	200.0 (1)	190.0 (3)	190.0 (3)	780.00
2)	Prochazka Jiri, CZE	174.0 (7)	200.0 (1)	190.0 (3)	200.0 (1)	174.0 (7)	764.00
3)	Perrin Gilles, FRA	148.0 (16)	177.0 (6)	185.0 (4)	195.0 (2)	195.0 (2)	752.00
4)	Vodrazka Jakub, CZE		180.0 (5)	195.0 (2)	174.0 (7)	200.0 (1)	749.00
5)	Zurynek Jan, CZE	185.0 (4)	195.0 (2)	168.0 (9)	134.0 (23)	185.0 (4)	733.00
6)	Rygl Jaroslav, CZE	195.0 (2)	190.0 (3)	174.0 (7)	124.0 (28)	171.0 (8)	730.00
7)	Folprecht Eda, CZE	171.0 (8)	168.0 (9)	153.0 (14)	180.0 (5)	180.0 (5)	699.00
8)	Mach Radovan, CZE	168.0 (9)	185.0 (4)	177.0 (6)	162.0 (11)	165.0 (10)	695.00
9)	Podrabsky Ctibor, CZE	177.0 (6)	Disk.	180.0 (5)	185.0 (4)	142.0 (19)	684.00
10)	Midena Benjamin, FRA	136.0 (22)	116.0 (32)	171.0 (8)	177.0 (6)	148.0 (16)	632.00
11)	Sabo Mikulas, SVK	162.0 (11)	132.0 (24)	134.0 (23)	168.0 (9)	159.0 (12)	623.00
12)	Linossier Pierre, FRA		Disk.	142.0 (19)	165.0 (10)	153.0 (14)	616.00
13)	Rygl Miroslav, CZE	153.0 (14)	116.0 (32)	171.0 (8)	168.0 (9)		608.00
14)	Houlihan John, GBR	165.0 (10)	134.0 (23)	142.0 (19)	142.0 (19)	144.0 (18)	593.00
15)	Dosek Agoston , HUN	150.0 (15)	126.0 (27)	148.0 (16)	120.0 (30)	146.0 (17)	570.00
16)	Doerfler Dietmar, AUT	190.0 (3)	100.0 (40)	96.00 (44)	153.0 (14)	124.0 (28)	567.00
17)	Laciga Zdenek, CZE	156.0 (13)	108.0 (36)	120.0 (30)	128.0 (26)	162.0 (11)	566.00
18)	Wohanka Pavel, CZE		92.00 (48)	118.0 (31)	165.0 (10)	177.0 (6)	552.00
19)	Sikora Tomas, CZE	130.0 (25)	128.0 (26)	79.00 (61)	146.0 (17)	118.0 (31)	522.00
20)	Jurcik Peter, SVK	159.0 (12)	146.0 (17)	104.0 (38)	110.0 (35)	72.00 (68)	519.00
21)	Hanak Petr, CZE	138.0 (21)	112.0 (34)	124.0 (28)	140.0 (20)	108.0 (36)	514.00
22)	Kazik Marian, SVK	106.0 (37)	110.0 (35)	108.0 (36)	150.0 (15)	122.0 (29)	490.00
23)	Mendoza Barcello E., ESP	95.00 (45)		Disk.	98.00 (42)	132.0 (24)	461.00
24)	Mogno Michele, ITA	142.0 (19)			144.0 (18)	156.0 (13)	442.00
25)	Kossler Markus, AUT	126.0 (27)		Disk.	82.00 (58)	100.0 (40)	436.00
26)	Erdelyi Balazs, HUN	120.0 (30)	87.00 (53)	94.00 (46)	89.00 (51)	116.0 (32)	419.00
27)	Semik Jan, CZE	102.0 (39)		Disk.	92.00 (48)	122.0 (29)	418.00
28)	Furnkranz Martin, AUT		88.00 (52)	80.00 (60)	136.0 (22)	104.0 (38)	408.00
29)	Mlynarik Peter , SVK	116.0 (32)	91.00 (49)	89.00 (51)	102.0 (39)	98.00 (42)	407.00
30)	Hernando Garcia C. S.ESP	104.0 (38)	90.00 (50)	85.00 (55)	96.00 (44)	106.0 (37)	396.00
31)	Richter Peter, SVK	112.0 (34)	93.00 (47)	77.00 (63)	106.0 (37)	77.00 (63)	388.00
32)	Holluby Andras, HUN	153.0 (14)	114.0 (33)	114.0 (33)			381.00
33)	Paulovits Laszlo, HUN	132.0 (24)	136.0 (22)	102.0 (39)			370.00
34)	Szegeny Vladimir, SVK	98.00 (42)	140.0 (20)	100.0 (40)			338.00
35)	Wohanka Petr, CZE			Disk.	112.0 (34)	75.00 (65)	337.00
36)	Vajda Zsolt, HUN	140.0 (20)	89.00 (51)	93.00 (47)			322.00
37)	Richter Martin, SVK	144.0 (18)	97.00 (43)	78.00 (62)			319.00
38)	Canals Borras Mar, ESP	93.00 (47)	95.00 (45)	126.0 (27)			314.00
39)	Jirasek Milan, CZE		150.0 (15)	162.0 (11)			312.00
40)	Pesce Daniele, ITA	108.0 (36)			82.00 (58)	120.0 (30)	310.00
41)	Zamecnik David, CZE		171.0 (8)	136.0 (22)			307.00
42)	Lauerman Jan, CZE		156.0 (13)	146.0 (17)			302.00
43)	Linhart Ales, CZE		162.0 (11)	138.0 (21)			300.00
44)	Venhoda Milan, CZE		148.0 (16)	150.0 (15)			298.00
45)	Sruta Milan, CZE		165.0 (10)	132.0 (24)			297.00
46)	Ferrer Lluis, ESP	110.0 (35)	94.00 (46)	91.00 (49)			295.00
47)	Lasso Petr, CZE		102.0 (39)		Disk.	97.00 (43)	292.00
48)	Polak Jaroslav, CZE		130.0 (25)	159.0 (12)			289.00
49)	Rouleaux Alain, FRA				159.0 (12)	130.0 (25)	289.00
50)	Gryc Tomas, CZE		159.0 (12)	128.0 (26)			287.00
51)	Kubin Jiri , CZE		144.0 (18)	140.0 (20)			284.00
52)	Boudny Jan, CZE		126.0 (27)	156.0 (13)			282.00
53)	Nyitrai Gyorgy, HUN	94.00 (46)	96.00 (44)	86.00 (54)			276.00
54)	Salguero Antonio, ESP				148.0 (16)	126.0 (27)	274.00
55)	Casal Roger, ESP				126.0 (27)	138.0 (21)	264.00
56)	Mencl Miloslav, CZE		118.0 (31)	144.0 (18)			262.00
57)	Dallimore Nick, GBR				116.0 (32)	134.0 (23)	250.00
58)	Sevcik Martin, CZE		138.0 (21)	110.0 (35)			248.00
59)	Morcillo Jose Luis, ESP				138.0 (21)	110.0 (35)	248.00
60)	Pekarek Pavel, CZE				90.00 (50)	140.0 (20)	230.00
61)	Stregl Pavel, CZE				130.0 (25)	100.0 (40)	230.00
62)	Krejci Jan, CZE		98.00 (42)	130.0 (25)			228.00
63)	Julia Arnau, ESP				91.00 (49)	132.0 (24)	223.00
64)	Surgan Stefan, SVK		122.0 (29)	97.00 (43)			219.00
65)	Simon S. Daniel , ESP				104.0 (38)	112.0 (34)	216.00
66)	Tournay Benoit, BEL				118.0 (31)	94.00 (46)	212.00
67)	Wathelet Alain, BEL				98.00 (42)	114.0 (33)	212.00

68) Camacho Parrero Toni , ESP			114.0 (33)	95.00 (45)	209.00
69) Vrestal Jan, CZE	120.0 (30)	88.00 (52)			208.00
70) Rouet Patrick, BEL			108.0 (36)	96.00 (44)	204.00
71) Zicha Jiri, CZE	99.00 (41)	99.00 (41)			198.00
72) Vit Daniel , CZE	104.0 (38)	90.00 (50)			194.00
73) Piqueray Guy, BEL			93.00 (47)	99.00 (41)	192.00
74) Garde Julio, ESP			112.0 (34)	75.00 (65)	187.00
75) Davin Thierry, ESP			99.00 (41)	87.00 (53)	186.00
76) Genatis Uwe, GER			92.00 (48)	89.00 (51)	181.00
77) Kuhn Ivo, GER	180.0 (5)				180.00
78) Lore Carles, ESP			95.00 (45)	85.00 (55)	180.00
79) Piqueray Bernard, BEL			94.00 (46)	83.00 (57)	177.00
80) Michalik Ivan, CZE			86.00 (54)	90.00 (50)	176.00
81) Marti Oriol , ESP			88.00 (52)	84.00 (56)	172.00
82) Janota Vladislav, SVK	86.00 (54)	81.00 (59)			167.00
83) Hooper David, GBR			87.00 (53)	79.00 (61)	166.00
84) Kotas Pavel, CZE			79.00 (61)	86.00 (54)	165.00
85) Sevcik Robert, CZE			81.00 (59)	81.00 (59)	162.00
86) Perez Esteban, ESP			76.00 (64)	82.00 (58)	158.00
87) Zmek Jozef, CZE			66.00 (74)	88.00 (52)	154.00
88) Knoflach Hermann, AUT			83.00 (57)	70.00 (70)	153.00
89) Novotny Jan, CZE			73.00 (67)	80.00 (60)	153.00
90) Martan Zdenek, CZE			77.00 (63)	73.00 (67)	150.00
91) Watson Dave, GBR			78.00 (62)	71.00 (69)	149.00
92) Higgs Peter, GBR			80.00 (60)	67.00 (73)	147.00
93) Wieser Thomas, AUT	146.0 (17)				146.00
94) Marcen M. Faustino, ESP			68.00 (72)	76.00 (64)	144.00
95) Samper S. Pablo, ESP			70.00 (70)	74.00 (66)	144.00
96) Cabezas Javier, ESP			65.00 (75)	78.00 (62)	143.00
97) Rodriguez Jose Manue, ESP			71.00 (69)	69.00 (71)	140.00
98) Rodriguez Daniel, ESP			69.00 (71)	66.00 (74)	135.00
99) Prasek Roman , CZE	134.0 (23)				134.00
100) Salinas R. Salvador, ESP			64.00 (76)	68.00 (72)	132.00
101) Palmer Colin, GBR			67.00 (73)	65.00 (75)	132.00
102) Sukup Florian, AUT	128.0 (26)				128.00
103) Gasferotti Ivan, ITA	124.0 (28)				124.00
104) Gasperi Alessandro, ITA	122.0 (29)				122.00
104) Kolarik Tomas, CZE			122.0 (29)		122.00
106) Zweimuller Wolfgang, AUT	118.0 (31)				118.00
107) Neuhauser Ingemar, .ITA	114.0 (33)				114.00
108) Viskup Peter, SVK		106.0 (37)	Disk.		106.00
108) Bednarik Pavel, CZE			106.0 (37)		106.00
110) Lagler Klaus, AUT	100.0 (40)				100.00
111) Refaldo Alberto, ITA	99.00 (41)				99.00
112) Roman Fabio, ITA	97.00 (43)				97.00
112) Triquell C. Marc, ESP				Disk. 97.00 (43)	97.00
114) Klinke Ronny, GER	96.00 (44)				96.00
115) Kroc Dalibor, CZE			95.00 (45)		95.00
116) Casarin Alessandro,ITA	92.00 (48)				92.00
116) Juan Soto Jose M., ESP				92.00 (48)	92.00
118) Gerger Karl, GER	91.00 (49)				91.00
118) Rodriguez Martinez Mario, ESP				Disk. 91.00 (49)	91.00
120) Vodrazka Ondrej, CZE		87.00 (53)			87.00
121) Jimenez R. Jesus, ESP			85.00 (55)	Disk.	85.00
122) Jirasek Radek, CZE		84.00 (56)			84.00
122) Ara Tesa Javier, ESP			84.00 (56)	Disk.	84.00
124) Snuparek Martin, CZE		83.00 (57)			83.00
125) Bonachela Fernando Jose, ESP			74.00 (66)		74.00
126) Esteve Ibanez Hector, ESP			72.00 (68)		72.00
127) Carbonell Juan, ESP				64.00 (76)	64.00
128) Tomico Martin Alberto, ESP			63.00 (77)		63.00
129) Dominguez V. Javier, ESP			62.00 (78)	Disk.	62.00
130) Bartak Miroslav, CZE			61.00 (79)		61.00
Klein Sven, GER	Disk.				0.00
Muckel Rene, GER	Disk.				0.00
Smarzik Jan, CZE		Disk.			0.00
Kohoutek Oldrich, CZE		Disk.			0.00
Mogno Gianni, ITA			Disk.		0.00
Maudier C. Alejandro, ESP			Disk.		0.00
Navas P. Enrique, ESP			Disk.		0.00

Women	12/10	15/10	16/10	30/10	31/10	Total
1) Hrdinova Marie, CZE	195.0 (2)	190.0 (3)	195.0 (2)	200.0 (1)	195.0 (2)	785.00
2) Bornhak Antje, GER	200.0 (1)	174.0 (7)	200.0 (1)	165.0 (10)	200.0 (1)	774.00
3) Podrabska Anna, CZE	190.0 (3)	165.0 (10)	190.0 (3)	185.0 (4)	190.0 (3)	755.00
4) Folprechtova Jaroslava, CZE	180.0 (5)	200.0 (1)	180.0 (5)	146.0 (17)	174.0 (7)	734.00
5) Ryglova Hana, CZE	185.0 (4)	171.0 (8)	185.0 (4)	162.0 (11)	180.0 (5)	721.00
6) Durcova Alena, SVK		195.0 (2)	153.0 (14)	190.0 (3)	171.0 (8)	709.00
7) Koskova Silvia, CZE	177.0 (6)	177.0 (6)	177.0 (6)	150.0 (15)	177.0 (6)	708.00
8) Jakoubova Marketa, CZE	168.0 (9)	156.0 (13)	168.0 (9)	156.0 (13)	185.0 (4)	677.00
9) Chmelikova Jana, CZE	159.0 (12)	180.0 (5)	165.0 (10)	171.0 (8)	136.0 (22)	675.00
10) Fuzy Anna, HUN	171.0 (8)	168.0 (9)	150.0 (15)	142.0 (19)	165.0 (10)	654.00
10) Mege Francoise, FRA	162.0 (11)	142.0 (19)	162.0 (11)	174.0 (7)	156.0 (13)	654.00
12) Parakova Maria, SVK	174.0 (7)	132.0 (24)	136.0 (22)	177.0 (6)	159.0 (12)	646.00
13) Lacigova Michaela, CZE	156.0 (13)	162.0 (11)	130.0 (25)	168.0 (9)	153.0 (14)	639.00
14) Brotons Gil Ester, ESP	Disk.	146.0 (17)	146.0 (17)	195.0 (2)	138.0 (21)	625.00
15) Marhevkova Katarina, SVK	142.0 (19)	128.0 (26)	102.0 (39)	138.0 (21)	144.0 (18)	552.00
16) Brotons Gil Veronica, ESP	144.0 (18)	136.0 (22)	106.0 (37)	140.0 (20)	128.0 (26)	548.00
17) Nogales Megias Belen, ESP	140.0 (20)	134.0 (23)	110.0 (35)	136.0 (22)	132.0 (24)	542.00
18) Benova Michaela, SVK		126.0 (27)	128.0 (26)	144.0 (18)	140.0 (20)	538.00
19) Blazques Pajaro Maria, ESP	134.0 (23)	130.0 (25)	98.00 (42)	130.0 (25)	134.0 (23)	528.00
20) Slovakova Marie, CZE			144.0 (18)	153.0 (14)	150.0 (15)	447.00
21) Marosffy Orsolya, HUN	153.0 (14)	159.0 (12)	126.0 (27)			438.00
22) Karagics Judit, HUN	150.0 (15)	124.0 (28)	116.0 (32)			390.00
23) Kaufmann Brigitta, HUN	136.0 (22)	140.0 (20)	108.0 (36)			384.00
24) Novotna Marcela, CZE			104.0 (38)	134.0 (23)	126.0 (27)	364.00
25) Drabinova Jitka, CZE		185.0 (4)	171.0 (8)			356.00
26) Bigum Marete, DEN				180.0 (5)	168.0 (9)	348.00
27) Aguilera Monica, ESP				159.0 (12)	162.0 (11)	321.00
28) Amigo Anna, ESP				148.0 (16)	146.0 (17)	294.00
29) Kupcova Kristina, CZE		153.0 (14)	132.0 (24)			285.00
30) Mahdalova Michaela, CZE		148.0 (16)	134.0 (23)			282.00
31) Pizzato Serena, ITA				132.0 (24)	148.0 (16)	280.00
32) Spratkova Iva, CZE		138.0 (21)	138.0 (21)			276.00
33) Mestkova Katerina, CZE		150.0 (15)	122.0 (29)			272.00
34) Patockova Marie, CZE		144.0 (18)	118.0 (31)			262.00
35) Espeso Gayte Elena, ESP				126.0 (27)	130.0 (25)	256.00
36) Torcal S. Eva, ESP				128.0 (26)	122.0 (29)	250.00
37) Hillion Veronique, ESP				124.0 (28)	124.0 (28)	248.00
38) Zurynkova Jana, CZE		122.0 (29)	114.0 (33)			236.00
39) Tomeckova Alena, CZE			174.0 (7)			174.00
40) Rottensteiner Sabine, ITA	165.0 (10)					165.00
41) Pariskova Vera, CZE			159.0 (12)			159.00
42) Zimova Marketa, CZE			156.0 (13)			156.00
43) Vecchiez Donatella, ITA	148.0 (16)					148.00
43) Gandelova Katerina, CZE			148.0 (16)			148.00
45) Ulreich Ingrid, AUT	146.0 (17)					146.00
46) Moulickova Eva, CZE			142.0 (19)			142.00
46) Gil Poveda Yolanda, ESP				142.0 (19)		142.00
48) Stara Zdena, CZE			140.0 (20)			140.00
49) Sommer Kathrin, GER	138.0 (21)					138.00
50) Novotna Katerina, CZE			124.0 (28)			124.00
51) Svandova Pavlina, CZE			120.0 (30)			120.00
52) Kmonickova Marta, CZE			112.0 (34)			112.00
53) Cejpkova Katerina, CZE			100.0 (40)			100.00
54) Gebauerova Jana, CZE			99.00 (41)			99.00
55) Sikorova Miroslava, CZE			97.00 (43)			97.00
56) Jakoubova Iva, CZE			96.00 (44)			96.00
57) Kuncicka Dagmar, CZE			95.00 (45)			95.00
Wieser Kerstin, AUT	Disk.					0.00
Crapiz Erika, ITA	Disk.					0.00
Zambiasi Clizia, ITA	Disk.					0.00

Relay

Men

1) Czech Republic 81 (38-43), 2) France 77 (43-34), 3) Slovakia 34 (6-28), 4) Spain 30 (8-22), 5) Hungary 20 (20-0), 5) Great Britain 20 (0-20).

Women

1) Czech Republic 86 (43-43), 2) Slovakia 62 (31-31), 3) Spain 50 (16-34), 4) Hungary 25 (25-0).

**World Cup in Trail Orienteering:
Inverness, Great Britain (30 July–1 August 1999)**

1) Sue Boyt	GBR	28	77,0
2) Valeriy Tsodikov	UKR	27	75,1
3) David Irving	USA	26	37,0
4) Dave Gittus	GBR	25	89,6
5) Karen Darke	GBR	25	92,8
6) Jan Erik Haug	NOR	24	30,9
7) Jaques Eloy	BEL	24	51,8
8) Bengt Erik Pederson	NOR	20	32,4
9) Knut Bekkelund	NOR	20	104,5
10) Bruce McAlister	USA	18	67,0
11) Christian Meunier	BEL	18	164,0

Nations

1) Great Britain	78
2) Norway	64
3) USA	44
4) Belgium	42
5) Ukraine	27

**World Masters Orienteering Championships:
Feilding, New Zealand (2–7 January 2000)**

Men			
M35			
1) Jonsson Gert SWE 1.15.20, 2) Kähäri Petteri FIN 1.15.27, 3) Barbour Greg NZL 1.17.14.			
M40			
1) Mårtensson Jörgen SWE 59.37, 2) Rothery Colm IRE 1.01.20, 3) Kinnunen Esa FIN 1.05.32.			
M45			
1) Karlsen Tom Arild NOR 59.48, 2) Pacque Paul AUS 1.03.40, 3) Kainrath Eugen AUT 1.07.20.			
M50			
1) Orpana Risto FIN 53.0, 3) Nieminen Pertti FIN 55.06, 3) Peippo Tapio FIN 55.38.			
M55			
1) Kattilakoski Matti FIN 41.17, 2) Jokinen Juhani FIN 45.26, 3) Nissi Raimo FIN 47.33.			
M60			
1) Erkkilä Olavi FIN 44.23, 2) Golton John GBR 45.26, 3) Rickardsson Gote SWE 46.51.			
M65			
1) Haglund Allan SWE 41.12, 2) Seltin Börje SWE 41.30, 3) Pystynen Paavo FIN 41.52.			
M70			
1) Ekberg Helmer SWE 40.20, 2) Howitt Gordon AUS 40.28, 3) Pelkonen Pentti FIN 42.00.			
M75			
1) Pettersson Lennart SWE 48.37, 2) Björkman Per SWE 52.27, 3) Zackari Sten SWE 54.45.			
M80			
1) Johansson Gunnar SWE 33.10, 2) Berthag Carl SWE 36.12, 3) Piguet Rene SUI 44.18.			
M85			
1) Salusvuori Armas FIN 39.49, 2) Lillieroth Gunnar SWE 51.37, 3) Kellenberger Max SUI 1.34.34.			
Women			
W35			
1) Salmenkylä Tuulikki FIN 58.40, 2) Bengtsson Britt-Mari SWE 1.02.35, 3) Ritakallio Maarit FIN 1.10.56			
W40			
1) Wahlberg Jannike SWE 57.32, 2) Parakova Maria SVK 58.17, 3) Martin Carey NZL 58.57			
W45			
1) Bourne Jenny AUS 49.01, 2) Johansen Gro. B NOR 52.28, 3)			

Karlsen Unni Strand NOR 54.30

W50

1) Pesonen Vuokko FIN 43.49, 2) Peltola Katariina FIN 44.40, 3)

Zaugg Yvette SUI 45.58.

W55

1) McNeill Carol GBR 38.22, 2) Crawford Sharon USA 45.06, 3)

Syvatera Hillevi FIN 45.07.

W60

1) Steen-Olsson Eivor SWE 43.23, 2) Martin Judy NZL 49.09, 3)

Liby Seip Tirill NOR 51.11.

W65

1) Rathbone Bunny NZL 41.38, 2) Jalava Aune FIN 48.36, 3)

Carlsson Maj SWE 48.41.

W70

1) Grenfell Pat GBR 50.10, 2) Kjolstad Randi NOR 53.20, 3)

Emanuelsson Siv SWE 54.32.

W75

1) Fulton Annie SWE 45.32, 2) Bandixen Gret SUI 1.20.03, 3)

Plant Millicent USA 1.23.22.

W80

1) Lambert Margareta USA 1.09.03.

W90

1) Bolwell Waveney NZL 1.11.47.

**Junior World Ski Orienteering Championships:
Banska Bystrica, Slovakia (1–5 February 2000)**

Long distance

Men

1) Kiiskinen Petri FIN 48.38, 2) Lauenstein Marc SUI 50.58, 3)

Sillman Jari FIN 51.04, 4) Kiiskinen Pasi FIN 51.06, 5) Fischer

Remo SUI 51.39, 6) Gloukharev Vasiliu RUS 52.53, 7) Andersson

David SWE 52.55, 8) Hagelia Olav NOR 53.03, 9) Protasevitch

Anton RUS 53.15, 10) Parkkinen Jarno FIN 53.18, 11) Arnesson

Peter SWE 53.29, 12) Myhre Mattis NOR 54.00, 13) Tomson

Tarmo EST 54.02, 14) Engvall Erik SWE 54.04, 15) Ceol Roberto

ITA 54.11, 16) Pääkkönen Ilkka FIN 54.30, 17) Kouriushev

Alexandre RUS 55.01, 18) Patras Andrej SVK 55.14, 19) Fischer

Boris SUI 55.29, 20) Simoni Mauro ITA 55.36, 21) Hora Zbynek

CZE 55.42, 22) Malyshev Valerii RUS 56.06, 23) Hallmans Mikael

SWE 58.23, 24) Eyer Thomas SUI 58.48, 25) Klaasimae Tarvo EST

58.56, 26) Redlich Tomas CZE 59.10, 27) Valuiskyi Alexei RUS

59.22, 28) Johansson Jorgen SWE 59.28, 29) Kulaase Kalev EST

59.43, 30) Mrazek Jan CZE 59.57, 31) Osterbo Oystein NOR 60.15,

32) Borys Andriy UKR 60.27, 33) Morgan Nicholas GBR 60.42, 34)

Zhuravel Arsen UKR 60.56, 35) Bogdan Mircea ROM 61.04, 36)

Zete Vasile ROM 61.40, 37) Danila Florin ROM 61.54, 38)

Mestanski Plamen BUL 62.48, 39) Bouchal Jiri CZE 63.59, 40)

Grigaitis Tomas LTU 64.23, 41) Sonnenberg Andrej GER 64.45,

41) Muchidinov Serhiy UKR 64.45, 43) Pettersen Oystein NOR

64.49, 44) Parak Peter SVK 64.55, 45) Bradna Vaclav CZE 64.57,

46) Handro Cristian ROM 66.38, 47) Nimchuk Ivan UKR 67.32,

48) Meizer Felix AUT 67.59, 49) Totorov Hristo BUL 68.29, 50)

Pascu Paul ROM 68.33, 51) Messikommer Pascal SUI 69.28, 52)

Kubin Andriy UKR 69.52, 53) Malchev Naiden BUL 70.32, 54)

Charchenko Andriy UKR 70.44, 55) Peer Andrea ITA 71.22, 56)

Ilikov Ilian BUL 71.39, 57) Novicenko Edvardas LTU 71.45, 58)

Krachenbuchl Andres SUI 71.56, 59) Siimsaare Tarmo EST 75.00,

60) Antoniol Matteo ITA 75.22, 61) Bikul Arturas LTU 76.13, 62)

Troesse Thomas GER 77.30, 63) Ghec Inlin ROM 89.13, 64)

Labanovsky Alexandr BLR 90.26, 65) Zhukov Alexey BLR 94.42,

66) Ichev Hristo BUL 98.05, disq Tchij Michail BLR, Todorov Ilian

BUL, Sorokin Mikhail RUS, Engstrom Patrik SWE.

Women

1) Chizhikova Ekaterina RUS 50.35, 2) Vanhalakka Kirsi FIN

53.30, 3) Hirvi Aino-Maria FIN 53.58, 4) Partanen Hanna FIN

54.16, 5) Lund Marie SWE 55.36, 6) Shvetsova Svetlana RUS

56.12, 7) Oustinova Anna RUS 56.24, 8) Reenaas Kjersti NOR

58.50, 9) Kjellman Karin SWE 59.47, 10) Bergkvist Maria SWE 60.09, 11) Stehnova Zuzana CZE 60.24, 12) Lye Tone NOR 60.28, 13) Mehtälä Katri FIN 61.11, 14) Eriskina Nadejgda RUS 61.52, 15) Wyder Manuela SUI 62.12, 16) Raudsepp Anni EST 62.17, 17) Lehto Salla FIN 62.42, 18) Dattelova Iva CZE 62.43, 19) Belomageva Stefania BUL 63.14, 20) Moe Lene NOR 63.50, 21) Eliasson Lena SWE 64.30, 22) Maeots Tuuli EST 64.58, 23) Lacigova Michaela CZE 65.08, 24) Rustad Anne NOR 66.08, 25) Parm Signe EST 66.44, 26) Fritschy Martina SUI 67.14, 27) Malcheva Teodora BUL 68.02, 28) Prochazkova Alena SVK 68.58, 29) Iring Andreea ROM 69.48, 30) Hermansson Lena SWE 70.23, 31) Nazarova Olena UKR 71.48, 32) Horynova Martina CZE 71.55, 33) Oswald Jeanine SUI 72.50, 34) Troesesse Christiane GER 74.18, 35) Pahn Ede EST 74.25, 36) Nifakina Elena RUS 75.10, 37) Murer Johanna ITA 75.51, 38) Bors Anca ROM 76.08, 39) Neshchymna Lyubov UKR 76.38, 40) Zlesakova Daniela CZE 77.06, 41) Woxlin Elin SWE 77.16, 42) Kostyuk Olha UKR 78.08, 43) Kirchlectner Kristine ITA 78.21, 44) Valt Romina ITA 78.51, 45) Nagy Isabela ROM 79.12, 46) Dimitrova Kristina BUL 79.47, 47) Shaposhnyk Yuliya UKR 80.50, 48) Heckel Anne GER 81.48, 49) Tokareva Valentyna UKR 85.28, 50) Bilobzhytska Ganna UKR 86.02, 51) Merova Tania BUL 87.27, 52) Stancheva Stefka 99.02 BUL, disq Vasilevskaja Ekaterina BLR, Kouzmanova Radoslava BUL, Moskovskich Elena RUS, Ondrejkova Lenka SVK.

Short distance

Men

1) Gloukharev Vasili RUS 20.49, 2) Andersson David SWE 21.17, 3) Arnesson Peter SWE 21.26, 4) Hagelia Olav NOR 21.30, 5) Fischer Remo SUI 21.42, 6) Kiiskinen Petri FIN 21.59, 6) Kouriushev Alexandre RUS 21.59, 8) Osterbo Oystein NOR 22.05, 9) Lauenstein Marc SUI 22.53, 10) Kiiskinen Pasi FIN 22.59, 11) Patras Andrej SVK 23.16, 12) Tomson Tarmo EST 23.17, 13) Valuiskyi Alexei RUS 23.42, 14) Hora Zbynek CZE 23.43, 15) Redlich Tomas CZE 23.56, 16) Borys Andriy UKR 24.05, 17) Johansson Jorgen SWE 24.33, 18) Zhuravel Arsen UKR 24.43, 19) Mrazek Jan CZE 24.49, 20) Engvall Erik SWE 24.59, 21) Zete Vasile ROM 25.04, 22) Fischer Boris SUI 25.14, 23) Mestanski Plamen BUL 25.19, 24) Totorov Hristo BUL 25.28, 25) Myhre Mattis NOR 25.38, 26) Simoni Mauro ITA 25.39, 27) Parkkinen Jarno FIN 25.44, 28) Meizer Felix AUT 25.47, 29) Eyer Thomas SUI 25.51, 30) Sorokin Mikhail RUS 26.05, 31) Morgan Nicholas GBR 26.08, 32) Engstrom Patrik SWE 26.24, 33) Klaasimae Tarvo EST 26.46, 34) Bouchal Jiri CZE 27.04, 35) Protasevitch Anton RUS 27.07, 36) Kraehenbuehl Andres SUI 27.12, 37) Sonnenberg Andrej GER 27.26, 38) Danila Florin ROM 27.41, 39) Bogdan Mircea ROM 27.54, 40) Siimsaare Tarmo EST 27.57, 41) Hallmans Mikael SWE 28.04, 42) Bradna Vaclav CZE 28.11, 43) Bikulc Arturas LTU 28.49, 44) Malchev Naiden BUL 29.10, 45) Ilkov Ilian BUL 29.18, 46) Peer Andrea ITA 30.43, 47) Kubin Andriy UKR 30.48, 48) Charchenko Andriy UKR 31.21, 49) Antoniol Matteo ITA 31.32, 50) Malyshev Valerii RUS 31.36, 51) Muchidinov Serhiy UKR 32.05, 52) Handro Cristian ROM 32.14, 53) Tchij Michail BLR 32.38, 54) Novicenko Edvardas LTU 33.15, 55) Nimchuk Ivan UKR 33.32, 56) Pääkkönen Ilkka FIN 33.52, 57) Todorov Ilian BUL 34.06, 58) Troesesse Thomas GER 34.07, 59) Labanovsky Alexandr BLR 34.57, 60) Parak Peter SVK 35.18, 61) Grec Inlin ROM 36.58, 62) Messikommer Pascal SUI 38.17, 63) Pascu Paul ROM 38.18, 64) Ichev Hristo BUL 43.58, 65) Zhukov Alexey BLR 44.20, disq. FIN Sillman Jari, LTU Grigaitis Tomas, NOR Pettersen Oystein, ITA Ceol Roberto, dns EST Kulaase Kalev.

Women

1) Hirvi Aino-Maria FIN 19.42, 2) Chizhikova Ekaterina RUS 21.04, 3) Lehto Salla FIN 21.35, 4) Lund Marie SWE 21.44, 5) Vanhalakka Kirsi FIN 22.41, 6) Bergkvist Maria SWE 22.57, 7) Shvetsova Svetlana RUS 23.09, 8) Partanen Hanna FIN 23.18, 9) Lye Tone NOR 23.21, 10) Oustinova Anna RUS 24.55, 11) Kjellman Karin SWE 25.16, 12) Reenaas Kjersti NOR 25.23, 13)

Stehnova Zuzana CZE 25.51, 14) Malcheva Teodora BUL 26.16, 15) Fritschy Martina SUI 26.18, 16) Dattelova Iva CZE 26.19, 17) Woxlin Elin SWE 27.23, 18) Moskovskich Elena RUS 27.26, 19) Raudsepp Anni EST 27.27, 20) Rustad Anne NOR 27.35, 21) Ondrejkova Lenka SVK 28.38, 22) Oswald Jeanine SUI 28.54, 23) Maeots Tuuli EST 28.57, 24) Eliasson Lena SWE 29.00, 25) Belomageva Stefania BUL 29.01, 26) Eriskina Nadejgda RUS 29.11, 27) Dimitrova Kristina BUL 29.13, 28) Iring Andreea ROM 29.37, 29) Merova Tania BUL 29.57, 30) Hermansson Lena SWE 30.12, 31) Horynova Martina CZE 30.13, 32) Varga Uschi AUT 30.36, 33) Wyder Manuela SUI 30.43, 34) Kirchlectner Kristine ITA 30.50, 35) Parm Signe EST 31.08, 36) Heckel Anne GER 31.42, 37) Mehtälä Katri FIN 31.44, 38) Zlesakova Daniela CZE 31.58, 39) Kostyuk Olha UKR 32.41, 40) Nifakina Elena RUS 33.10, 41) Lacigova Michaela CZE 33.55, 42) Vasilevskaja Ekaterina BLR 34.29, 43) Pahn Ede EST 35.09, 44) Valt Romina ITA 35.19, 45) Murer Johanna ITA 35.30, 46) Troesesse Christiane GER 36.56, 47) Neshchymna Lyubov UKR 39.03, 48) Shaposhnyk Yuliya UKR 39.30, 49) Bors Anca ROM 41.57, 50) Stancheva Stefka BUL 43.30, 51) Nagy Isabela ROM 44.47, 52) Tokareva Valentyna UKR 45.24, 53) Kouzmanova Radoslava BUL 45.49, 54) Nazarova Olena UKR 46.41, 55) Hochwarter Elisabeth AUT 51.10, 56) Bilobzhytska Ganna UKR 55.16, disq. NOR Moe Lene, SVK Prochazkova Alena.

Relay

Men

1) SUI (Lauenstein Marc, Fischer Remo, Fischer Boris) 101.48, 2) SWE (Engvall Erik, Andersson David, Arnesson Peter) 102.16, 3) RUS (Kouriushev Alexandre, Protasevitch Anton, Gloukharev Vasili) 102.44, 4) FIN (Kiiskinen Pasi, Sillman Jari, Kiiskinen Petri) 103.07, 5) NOR (Myhre Mattis, Hagelia Olav Bakken, Osterbo Oystein Kval) 105.32, 6) UKR (Borys Andriy, Nimchuk Ivan, Zhuravel Arsen) 108.20, 7) CZE (Redlich Tomas, Mrazek Jan, Hora Zbynek) 111.08, 8) EST (Tomson Tarmo, Klaasimae Tarvo, Siimsaare Tarmo) 117.18, 9) ROM (Danila Florin, Bogdan Mircea, Zete Vasile) 121.52, 10) BUL (Mestanski Plamen, Ilkov Ilian, Totorov Hristo) 126.57, 11) ITA (Simoni Mauro, Peer Andrea, Ceol Roberto) 132.53, 12) LTU (Bikulc Arturas, Novicenko Edvardas, Grigaitis Tomas) 138.24, 13) BLR (Tchij Michail, Labanovsky Alexandr, Zhukov Alexey) 148.03.

Women

1) FIN (Lehto Salla, Vanhalakka Kirsi, Hirvi Aino-Maria) 100.37, 2) RUS (Shvetsova Svetlana, Chizhikova Ekaterina, Oustinova Anna) 102.20, 3) SWE (Kjellman Karin, Bergkvist Maria, Lund Marie) 104.49, 4) NOR (Reenaas Kjersti, Moe Lene, Lye Tone Ellefsen) 108.20, 5) CZE (Stehnova Zuzana, Lacigova Michaela, Dattelova Iva) 119.30, 6) EST (Raudsepp Anni, Parm Signe, Maeots Tuuli) 123.33, 7) SUI (Wyder Manuela, Oswald Jeanine, Fritschy Martina) 124.32, 8) BUL (Belomageva Stefania, Dimitrova Kristina, Malcheva Teodora) 125.49, 9) ITA (Valt Romina, Murer Johanna, Kirchlectner Kristine) 140.06, 10) ROM (Bors Anca, Nagy Isabela, Iring Andreea) 157.59.

World Cup in Ski Orienteering 2000

Event 1 – Kajaani, Finland, 13 January
 Event 2 – Vuokatti, Finland, 15 January
 Event 3 – Ulrichsberg, Austria, 28 January
 Event 4 – Ulrichsberg, Austria, 30 January
 Event 5 – Donovaly, Slovakia, 2 February
 Event 6 – Tajov, Slovakia, 4 February
 Event 7 – Krasnoyarsk, Russia, 1 March
 Event 8 – Krasnoyarsk, Russia, 3 March

Men

		01/13	01/15	01/28	01/30	02/02	02/04	03/01	03/03	Total
1) Eduard Khrennikov	RUS	27	29	33	26	40	40	31	37	181
2) Andrei Gruzdev	RUS	23	17	37	37	28	37	35	35	181
3) Jukka Lanki	FIN	28	27	40	40	17	30	37	28	175
4) Lars Lystad	NOR	21	16	30	35	35	35	26	24	161
5) Matti Keskinarkaus	FIN		40	22		30	26	30	33	159
6) Björn Lans	SWE	20	31	27	15	37	12	33	31	159
7) Viktor Kortchagin	RUS	35	30	35	30	14	27	27	29	159
8) Bertil Nordqvist	SWE	37	35	12	27	29	14	28	26	156
9) Raino Pesu	FIN	40	33	31	24				19	147
10) Tommy Olsen	NOR	22	37	23	28	24	33	10	13	145
11) Nicolo Corradini	ITA	16	12	14	20	25	28	29	40	142
12) Pekka Varis	FIN		24	26	30	33	29	24	20	142
13) Teemu Kongas	FIN	29	26	28	31	27	23			141
14) Vladislav Kormtschikov	RUS	33		20	15	15	15	40	30	138
15) Tomas Lofgren	SWE	18	24	18	25	26		19	25	119
16) Nikolai Bondar	RUS	24	18	25	22	18	19	25		115
17) Claes Turesson	SWE	17	25	16	12	21	22	23	24	115
18) Jarkko Urvilainen	FIN	19	28		17	23	26			113
19) Ander Ojandu	EST	31	10	9	33	9	8	16	18	108
20) Arto Lilja	FIN	0	0			31	31	22	22	106
21) Helge Kolstad	NOR	30	14	21	19	10	21	11		105
22) Hauge Anders	NOR	7	15	29	21	16	18	17	17	102
23) Rouslan Gritsan	RUS	10	22	24	13	20	17			96
24) Milan Venhoda	CZE			19	23	4	9	22	15	88
25) Jakub Vodrazka	CZE			13		19	20	18	17	87
26) Walter Seber	ITA	12	11	15	10	2	24	14	12	77
27) Eivind Tonna	NOR	11	21	7	5	22	16			77
28) Andreas M. Edvardsen	NOR	0	0	11	11	13	7		27	69
29) Jan Lauerman	CZE	0	0	10	16	8	11	13	14	64
30) Peter Mosimann	SUI	0	9	4	8			21	21	63
31) Tobias Aslund	SWE	15	0	17		12	13			57
32) Stefan Lanenstein	SUI	0	0	8	4	11	6	15	10	50
33) Kalle Junnikkala	FIN	26	19	0	0	0				45
34) Markus Buchtele	AUS	0	0	6	18			6	11	41
35) Kjetil Ulven	NOR	25	13	0				0	0	38
36) Todor Kalniev	BUL	1	0		6		10	8	9	34
37) Mikael Lindmark	SWE	13	20	0				0	0	33
38) Johann Kugler	AUS	0	0	3	9	6	5	9	2	32
39) Margus Hallik	EST	4	5	0				3	6	18
40) Philippe Jeanneret	SUI	9	8	0				0	0	17
41) Raul Kudre	EST	0	0	0	0	0	0	12	4	16
42) Lubomir Tomecek	CZE	0	0			5	3	0	8	16
43) Christian Hohl	SUI	8	7	0	0	0	0	0	0	15
44) Seppo Mäkinen	FIN	14	0	0				0	0	14
45) Igor Zvontsov	BLR	3	2	0				2	7	14
46) Jan Beguin	SUI	0	0	1	7			5	0	13
47) Eero Kivistä	EST	6	3	0				0	0	9
48) Vallo Väher	EST	5	4	0				0	0	9
49) Thierry Jeanneret	SUI	2	6	0				0	0	8
50) Peter Fredriksson	SWE	0	0	5	3			0	0	8
51) Bengt Leandersson	SWE	0	0	0	0	7	0	0	0	7
52) Jan Boudny	CZE	0	0	0	0	0	0	7	0	7
53) Roberto Ceol	ITA	0	1	0				1	3	5
54) Lukas Stoffel	SUI	0	0	0	0	0	0	0	5	5
55) Nikolay Dimitrov	BUL	0	0	0	0	0	0	0	4	0
56) Stefan Surgan	SVK	0	0				4	0	0	4
57) Harald Mannel	GER	0	0			3		0	0	3
58) Ales Razek	CZE	0	0	0	2	0	0	0	0	2

59) Christian Giacomuzzi	ITA	0	0	2			0	0	2
60) Thomas Studeli	SUI	0	0			2	0	0	2
61) Arsen Zhuravel	UKR	0	0		0	0	0	1	1
62) Maximilian Habenicht	AUS	0	0	1			0	0	1
63) Olivier Villar	SUI	0	0			1	0	0	1
64) Stefan Racz	SVK	0	0		1		0	0	1

Women

		01/13	01/15	01/28	01/30	02/02	02/04	03/01	03/03	Total
1) Lena Hasselström	SWE	40	40	40	33	31	40	30	37	197
2) Annika Zell	SWE	33	31	35	35	35	37	27	30	175
3) Arja Hannus	SWE	23	37	37	31			40	29	174
4) Hanna Kosonen	FIN	24	35	33	37	25	33	35	22	173
5) Irina Onischenko	RUS	21	18	29	40	33	28	33	31	166
6) Tatyana Vlasova	RUS	19	22	25	27	37	31	28	40	163
7) Erika Johansson	SWE	30	33	30	29	40	24	23	26	162
8) Svetlana Haustova	RUS	37	27	18	21	20	30	31	28	153
9) Stine H. Kirkevik	NOR	29	25	27	22	21	35	19	33	149
10) Mervi Anttila	FIN	35	20	26	30	27	20	26	18	144
11) Valborg Madslien	NOR	25	29	31	26	26	27	25	25	139
12) Katja Rajaniemi	FIN	28		16	18	30	26	24	27	135
13) Erja Jokinen	FIN	18	30	20	25	28	29	20		132
14) Natalia Frej	RUS	31	15	28	24	19	18	29		131
15) Natalia Naumova	RUS	17	28	19	23		25		24	119
16) Mervi Väisänen	FIN	15	25	23	16	30	22			116
17) Oxana Issavnina	RUS	20	14	22	28	24	20			114
18) Helena Novotna	CZE			24	17	17	6	21	23	102
19) Kristin Hasle	NOR	16	19	13	13		21	22	20	98
20) Terhi Hämäläinen	FIN	26	26	22	19				0	93
21) Maria Ruutainen	FIN	27	16			22	23	0	0	88
22) Regula Muhlemann	SUI			11	12	18	13	17	21	81
23) Antje Bornhak	GER	12	13	12	11	16	14	16	18	77
24) Stina Grenholm	SWE	0	0	17	20	23	15			75
25) Liisa Anttila	FIN	0	0	0	0	0	0	37	35	72
26) Barbora Chudikova	CZE	0	0	15	14	15	17	11	8	72
27) Frida Feil	SWE	13	17	14	15	13	12			72
28) Lenka Hasmanova	CZE	0	0	9	11	12	11	14	15	63
29) Yvonne Wicki	SUI	11	12	0				15	19	57
30) Maarit Dahlman-Tervala	FIN	22	23	0				0	0	45
31) Teodora Malsheva	BUL	0	0	10	9			13	12	44
32) Iris Bader	SUI	0	0	6	7			9	14	36
33) Marie Lund	SWE	14	21	0				0	0	35
34) Marte Reenaas	NOR	0	0	0	0	0	0	18	16	34
35) Hana Ryglova	CZE	0	0	8	6	10	8			32
36) Ulrica Butikofer	SWE	0	0			14	16	0		30
37) Stejania Belomajeva	BUL	0	0	7	2			10	10	29
38) Iva Dattelova	CZE	0	0	0	0	0	0	12	13	25
39) Monika Oswald	SUI	0	0	5	4	9	5			23
40) Tomoko Kijama	JPN	10	11	0				0	0	21
41) Yuka Ueno	JPN	0	0	0	0	0	0	8	11	19
42) Jana Slamova	SVK	0	0			11	7	0	0	18
43) Tatjana Merova	BUL	0	0	0	0	0	0	6	9	15
44) Jna Hohareva	BLR	0	0	0	0	0	0	7	7	14
45) Sybille Milz	GER	0	0			8	4	0	0	12
46) Katalin Urban	HUN	0	0	0	0	0	0	5	6	11
47) Lucia Kotryova	SVK	0	0				10	0	0	10
48) Miroslava Seidlova	SVK	0	0				9	0	0	9
49) Kristina Dimitrova	BUL	0	0	4	5			0	0	9
50) Uschi Varga	AUT	0	0		8			0	0	8
51) Sharon Crawford	USA	0	0	0	0	0	0	3	5	8
52) Nelya Oliynyk	UKR	0	0			7		0	0	7
53) Candice Raines	USA	0	0	0	0	0	0	2	4	6
54) Radoslava Kouzmanova	BUL	0	0	0	0	0	0	4	0	4
55) Claudia Trompler	GER	0	0	3	1			0	0	4
56) Raphaela Hecl	AUT	0	0		3			0	0	3
57) Judit Allwinger	HUN	0	0	2				0	0	2

Relay

Men

1) Finland 57, 2) Russia 50, 3) Sweden 47, 4) Norway 41, 5) Czech Republic 22, 6) Switzerland 26, 7) Italy 28, 8) Estonia 19, 9) Bulgaria 14,

10) Austria 14, 11) Slovakia 8, 12) Belarus 11, 13) Germany 7, 14)
France 6, 15) Ukraine 5, 16) Romania 4, 17) Japan 2, 18) USA 1.

Women

1) Finland 54, 2) Sweden 52, 3) Russia 50, 4) Norway 39, 5) Czech
Republic 22, 6) Switzerland 10, 7) Germany 10, 8) Slovakia 0, 9)
Bulgaria 0.

World Masters Ski Orienteering Championships: Velingrad, Bulgaria (21–26 February 2000)

Long distance

Women

W35

1) Kadieva Snejana BUL 105.26.

W45

1) Barsoukova Tatiana RUS 60.05, 2) Guseva Natalia RUS 67.28.

W50

1) Georgieva Veska BUL 58.07, 2) Bortnovskaia Tamara RUS
61.22, 3) Iosub Gabriela ROM 150.30.

W55

1) Crawford Sharon USA 69.42.

W60

1) Lystad Elsa NOR 74.59.

Men

M35

1) Linnainmaa Risto FIN 73.51, 2) Linnainmaa Pekka FIN 79.14,
3) Andronov Igor RUS 85.45.

M40

1) Csucs Andras ROM 85.31, 2) Egorov Sergei RUS 91.50.

M45

1) Fischer Willy AUT 85.12, 2) Dimitrov Dimiter BUL 108.13.

M50

1) Mikkola Kyösti FIN 87.00, 2) Ungerov Eugene RUS 98.17, 3)
Minchev Istatko BUL 114.08.

M55

1) Maier Curt AUT 57.27, 2) Mihaylov Kiril BUL 63.34, 3) Pankov
Peter BUL 70.49.

M60

1) Semenov Boris RUS 58.47.

M65

1) Gogov Dicho BUL 133.48.

Short distance

Women

W35

1) Kadieva Snejana BUL 99.47.

W45

1) Barsoukova Tatiana RUS 35.57, 2) Guseva Natalia RUS 37.48.

W50

1) Georgieva Veska BUL 39.56, 2) Bortnovskaia Tamara RUS
42.12, 3) Iosub Gabriela ROM 86.23.

W55

1) Crawford Sharon USA 42.44.

W60

1) Lystad Elsa NOR 60.22.

Men

M35

1) Linnainmaa Risto FIN 34.37, 2) Linnainmaa Pekka FIN 36.22,
3) Andronov Igor RUS 42.41.

M40

1) Egorov Sergei RUS 41.44, 2) Csucs Andras ROM 47.17.

M45

1) Fischer Willy AUT 47.18, 2) Dimitrov Dimiter BUL 54.41.

M50

1) Mikkola Kyösti FIN 47.02, 2) Ungerov Eugene RUS 66.30, 3)

Minchev Istatko BUL 81.44.

M55

1) Maier Curt AUT 33.59, 2) Pankov Peter BUL 36.03, 3) Mihaylov
Kiril BUL 39.44.

M60

1) Semenov Boris RUS 29.38.

M65

1) Gogov Dicho BUL 65.52.

World Ski Orienteering Championships: Krasnoyarsk, Russia (28 February–5 March 2000)

Long distance

Women

1) Hannus Arja SWE 60.04, 2) Anttila Liisa FIN 60.16, 3) Kosonen
Hanna FIN 62.02, 4) Onischenko Irina RUS 62.53, 5) Haustova
Svetlana RUS 63.19, 6) Hasselstrom Lena SWE 64.03, 7) Frei
Natalia RUS 64.28, 8) Vlasova Tatiana RUS 65.27, 9) Zell Annika
SWE 65.48, 10) Anttila Mervi FIN 66.07, 11) Madslien Valborg
NOR 66.28, 12) Rajaniemi Katja FIN 66.57, 13) Johansson Erica
SWE 67.04, 14) Hasle Kristin NOR 68.12, 15) Novotna Helena
CZE 68.14, 16) Jokinen Erja FIN 68.20, 17) Kirkevik Stine H. NOR
68.50, 18) Reenaas Marte NOR 69.36, 19) Muhlemann Regula
SUI 70.22, 20) Bornhak Antje GER 72.56, 21) Wicki Yvonne SUI
77.36, 22) Hasmanova Lenka CZE 82.27, 23) Malsheva Teodora
BUL 82.37, 24) Dattelova Iva CZE 82.42, 25) Chudikova Barbora
CZE 84.26, 26) Belomajeva Stefania BUL 85.53, 27) Bader Iris
SUI 88.00, 28) Ueno Yuka JPN 88.19, 29) Hohareva Jna BLR 93.57,
30) Merova Tatjana BUL 99.52, 31) Urban Katalin HUN 101.54,
32) Kouzmanova Radoslava BUL 104.01, 33) Crawford Sharon
USA 111.21, 34) Raines Candice USA 130.35.

Men

1) Kormtshikov Vladislav RUS 98.28, 2) Lanki Jukka FIN 98.45, 3)
Gruzdev Andrei RUS 100.16, 4) Lans Bjorn SWE 101.04, 5)
Khrennikov Eduard RUS 101.08, 6) Keskinarkaus Matti FIN
101.46, 7) Corradini Nicolo ITA 102.30, 8) Nordqvist Bertil SWE
102.52, 9) Kortchagin Viktor RUS 103.13, 10) Lystad Lars NOR
103.20, 11) Bondar Nikolai RUS 103.24, 12) Varis Pekka FIN
103.54, 13) Turesson Claes SWE 104.32, 14) Venhoda Milan CZE
104.55, 15) Mosimann Peter SUI 105.19, 16) Lilja Arto FIN
105.27, 17) Lofgren Tomas SWE 106.07, 18) Vodrazka Jakub CZE
108.30, 19) Hauge Anders NOR 108.38, 20) Ojandu Ander EST
108.56, 21) Lanenstein Stefan SUI 109.28, 22) Seber Walter ITA
111.37, 23) Lauerman Jan CZE 112.27, 24) Kudre Raul EST
112.35, 25) Kolstad Helge NOR 113.11, 26) Olsen Tommy NOR
115.12, 27) Kugler Johann AUT 116.32, 28) Kalniev Todor BUL
117.07, 29) Boudny Jan CZE 118.26, 30) Buchtele Markus AUT
118.35, 31) Beguin Jan SUI 119.08, 32) Dimitrov Nikolay BUL
121.11, 33) Hallik Margus EST 122.10, 34) Zvontsov Igor BLR
123.19, 35) Ceol Roberto ITA 124.31, 36) Patras Andrey SVK
125.34, 37) Mannel Harald GER 126.12, 38) Simoni Mauro ITA
127.34, 39) Kohlschmidt Bernd GER 128.38, 40) Dechavanne
Laurent FRA 130.06, 41) Hohl Christian SUI 132.05, 42) Pleban
Scott USA 133.40, 43) Mestanski Plamen BUL 134.47, 44) Bruns
Eike GER 135.20, 45) Shtelmakh Maksim UKR 136.51, 46)
Tchernij Pavel BLR 138.06, 47) Vaher Vallo EST 140.20, 48)
Bernard Pierre FRA 141.05, 49) Zhuravel Arsen UKR 141.13, 50)
Monschein Robert FRA 141.38, 51) Shtelmakh Oleksij UKR
141.46, 52) Pacher Hannes AUT 146.46, 53) Constantino Larry
USA 149.10, 54) Dechavanne Frank FRA 149.41, 55) Maruyama
Tetsushi JPN 151.30, 56) Brackett Gary USA 157.50, 57) Usmanov
Yuri BLR 159.54, 58) Todorov Hristo BUL 160.07, 59) Fey Carl
USA 162.21, 60) Kiacz Benedek HUN 167.14, 61) Seki Kiyoshi JPN
175.41, 62) Chizh Mikhail BLR Disq. 63) Wakai Kotaro JPN Disq.
64) Habenicht Maximilian AUT Disq.

Short distance

Women

1) Vlasova Tatjana RUS 22.42, 2) Hasselström Lena SWE 22.46,

3) Anttila Liisa FIN 23.02, 4) Kirkevik Stine H. NOR 23.06, 5)
 Onischenko Irina RUS 23.20, 6) Zell Annika SWE 23.26, 7)
 Hannus Arja SWE 23.30, 8) Haustova Svetlana RUS 23.46, 9)
 Rajaniemi Katja FIN 23.57, 10) Johansson Erica SWE 24.01, 11)
 Madslien Valborg NOR 24.32, 12) Naumova Natalia RUS 24.35,
 13) Novotna Helena CZE 24.55, 14) Kosonen Hanna FIN 24.57,
 15) Muhleman Regula SUI 25.02, 16) Hasle Kristine NOR 25.06,
 17) Wicki Yvonne SUI 26.04, 18) Anttila Mervi FIN 26.08, 19)
 Bornhak Antje GER 26.08, 20) Reenaas Marte NOR 26.16, 21)
 Hasmanova Lenka CZE 28.25, 22) Bader Iris SUI 28.37, 23)
 Dattelova Iva CZE 29.51, 24) Malsheva Teodora BUL 30.18, 25)
 Ueno Yuka JPN 30.27, 26) Belomajeva Stefania BUL 30.46, 27)
 Merova Tatjana BUL 34.09, 28) Chudikova Barbora CZE 37.02,
 29) Hohareva Jna BLR 38.27, 30) Urban Katalin HUN 40.17, 31)
 Crawford Sharon USA 40.41, 32) Raines Candice USA 60.15.

Men

1) Corradini Nicolo ITA 33.13, 2) Khrennikov Eduard RUS 33.53,
 3) Grusdev Andrey RUS 34.33, 4) Keskinarkaus Matte FIN 35.00,
 5) Lans Bjorn SWE 35.10, 6) Kormtshikov Vladislav RUS 35.21, 7)
 Kortchagin Viktor RUS 35.24, 8) Lanki Jukka FIN 35.34, 9)
 Edvardsen Andreas M. NOR 35.59, 10) Nordqvist Bertil SWE
 36.05, 11) Löfgren Tomas SWE 36.07, 12) Turesson Claes SWE
 36.10, 12) Lystad Lars NOR 36.10, 14) Mosimann Peter SUI
 36.11, 15) Lilja Arto FIN 36.12, 16) Varis Pekka FIN 36.20, 17)
 Pesu Raino FIN 36.26, 18) Ojandu Ander EST 36.59, 19) Hauge
 Anders NOR 37.03, 20) Vodrazka Jakub CZE 37.03, 21) Venhoda
 Milan CZE 37.40, 22) Lauerman Jan CZE 37.44, 23) Olsen Tommy
 NOR 38.04, 24) Seber Walter ITA 39.08, 25) Buchtele Markus AUT
 39.11, 26) Lauenstein Stefan SUI 39.14, 27) Kalniev Todor BUL
 39.17, 28) Tomecek Lubomir CZE 39.39, 29) Zvontsov Igor BLR
 39.45, 30) Hallik Margus EST 39.51, 31) Stoffel Lukas SUI 40.05,
 32) Kudre Paul EST 40.28, 33) Ceol Roberto ITA 41.16, 34) Kugler
 Johann AUT 41.17, 35) Zhuravel Arsen UKR 41.54, 36) Hohl
 Christian SUI 42.09, 37) Mestanski Plamen BUL 42.31, 38)
 Habenicht Maximilian AUT 42.39, 39) Patras Andrey SVK 42.53,
 40) Dechavanne Laurent FRA 43.26, 41) Pleban Scott USA 43.51,
 42) Vaher Vallo EST 43.56, 43) Dechavanne Frank FRA 44.18, 44)
 Bruns Eike GER 45.26, 45) Kohlschmidt Bernd GER 45.38, 46)
 Mihaylov Mihail BUL 45.50, 47) Mannel Harald GER 45.50, 48)
 Shtelmakh Oleksij UKR 46.24, 49) Maruyama Tetsushi JPN 46.52,

50) Simoni Mauro ITA 46.54, 51) Shtelmakh Maksim UKR 47.11,
 52) Bernard Pierre FRA 47.27, 53) Monschein Robert FRA 48.05,
 54) Tchernij Pavel BLR 48.26, 55) Todorov Hristo BUL 48.27, 56)
 Pacher Hannes AUT 48.44, 57) Brackett Gary USA 49.20, 58) Frey
 Carl USA 52.38, 59) Wakai Kotaro JPN 53.04, 60) Seki Kiyoshi JPN
 55.52, 61) Chizh Mikhail BLR 56.58, 62) Zaitsev Igor BLR 57.12,
 63) Kiacz Benedek HUN 62.00, 64) Oprsal Alan USA disq.

Relay

Men

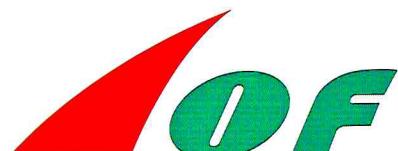
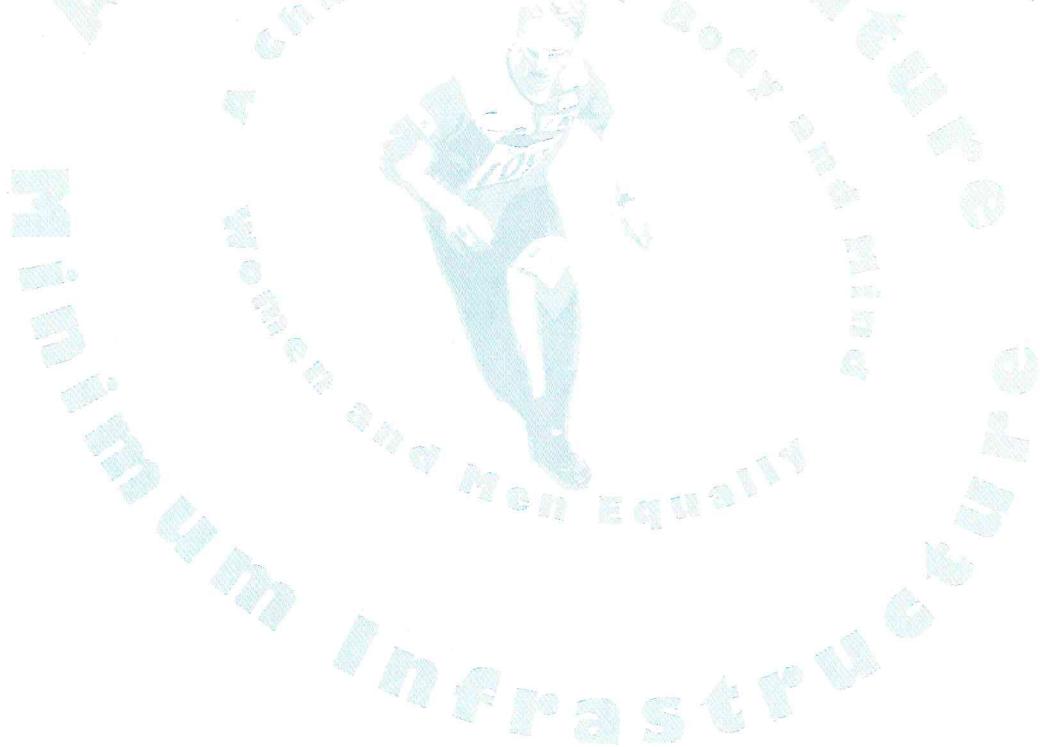
1) Russia 164.23 (Andrei Gruzdev ,Viktor Korchagin, Vladislav
 Kormschikov ,Vladislav Khrennikov), 2) Finland 166.50 (Raino
 Pesu, Pekka Varis, Jukka Lanki, Matti Keskinarkaus), 3) Sweden
 171.10 (Tomas Lofgren, Claes Turesson, Bertil Nordqvist, Bjorn
 Lans), 4) Norway 178.46 (Helge Kolstad ,Hauge Anders, Andreas
 M. Edvardsen, Lars Lystad), 5) Czech Republic 181.20 (Jan
 Lauerman, Milan Venhoda, Jakub Vodrazka, Lubomir Tomecek),
 6) Switzerland 184.38 (Peter Mosimann, Jan Beguin, Lukas
 Stoffel, Stefan Lanenstein), 7) Italy 189.17 (Walter Seber, Mayro
 Simoni, Luigi Girardi, Nicolo Corradini), 8) Estonia 190.42
 (Margus Hallik, Raul Kudre, Vallo Vaher, Ander Ojandu), 9)
 Bulgaria 203.16 (Nikolay Dimitrov, Plamen Mestanski, Mihail
 Mihailov, Todor Kalniev), 10) France 206.28 (Frank Dechavanne,
 Pierre Bernard, Robert Monschein, Laurent Dechavanne), 11)
 Austria 206.38 (Marcus Buchele, Johann Kugler, Hannes Pacher,
 Maximilian Habenicht), 12) Germany 219.06 (Eike Bruns, Harald
 Mannel, Antje Bornhak, Bernd Kohlschmidt), 13) Belarus (Igor
 Zvontsov, Pavel Tchernij, Igor Zaitsev, Yuri Usmaanov), 14) Japan
 238.38 (Tetsushi Maruyama, Kotaro Wakai, Yuka Ueno, Kioshi
 Seki), 15) USA 256.02 (Scott Pleban, Larry Constaantino, Carl
 Fey, Gary Brackett), disq. Ukraine, Slovakia, Hungary.

Women

1) Finland 83.24 (Mervi Anttila, Hanna Kosonen, Liisa Anttila),
 2) Sweden 83.39 (Annika Zell, Arja Hannus, Lena Hasselstrom),
 3) Russia 84.53 (Irina Onischenko, Tatyana Vlasova, Svetlana
 Haustova), 4) Norway 90.46 (Valborg Madslien, Kristin Hasle,
 Stine H. Kirkevik), 5) Czech Republic 91.55 (Barbora Chudikova,
 Helena Novotna, Lenka Hasmanova), 6) Switzerland 100.00
 (Yvonne Wicki, Regula Muhleman, Iris Bader), disq. USA,
 Belorussia, Hungary.

Orienteering is...

...the sport where competitors
navigate their way between
control points marked on a map.



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