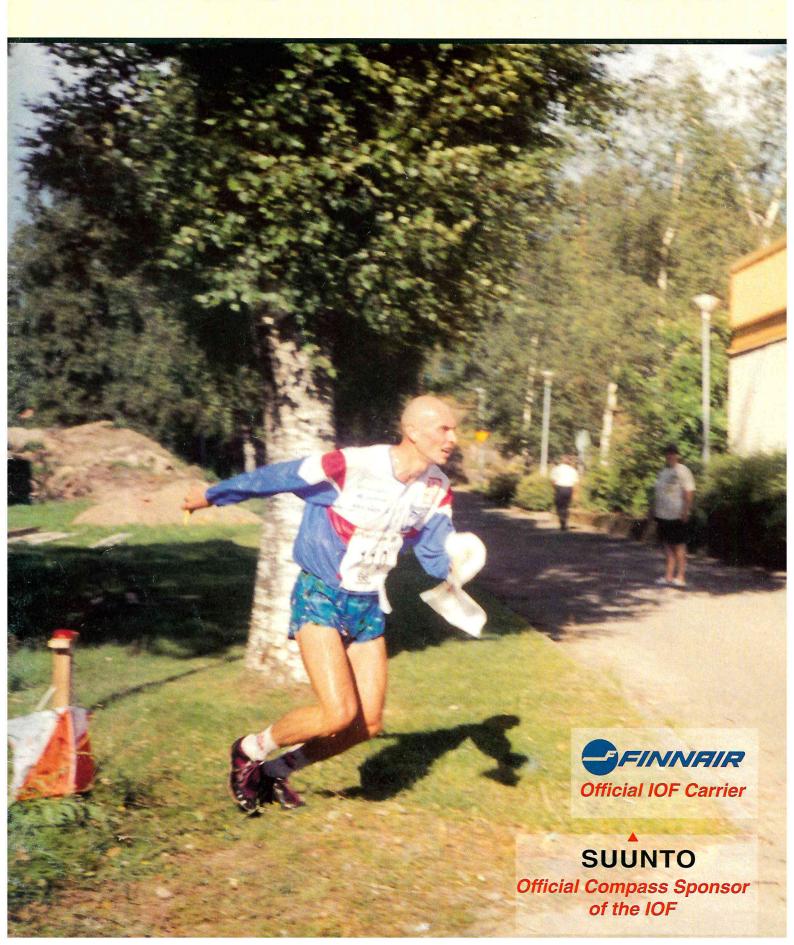
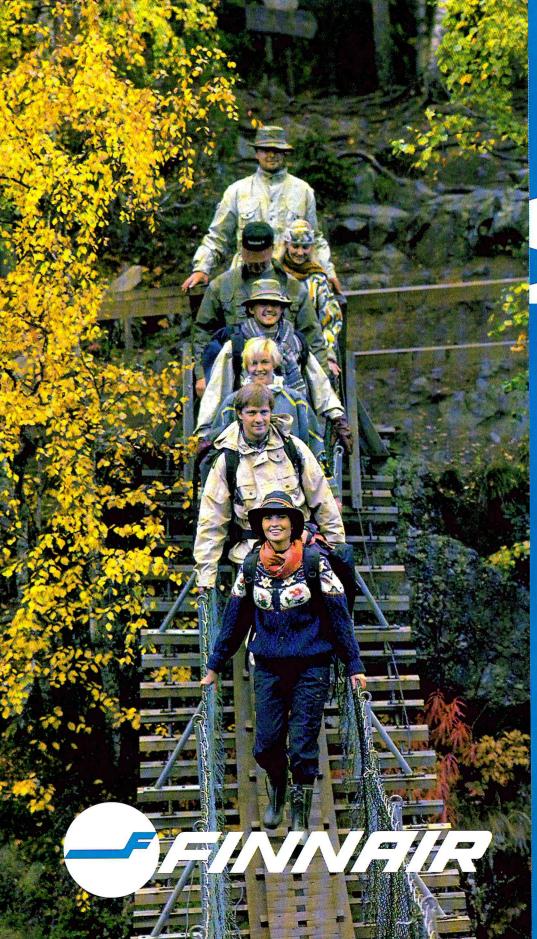
ORIENTEERING WORLD 1996 No. 4



1996 No. 4 - AUGUST



FINLAND



1996 ACTIVITIES



If the sun draws you out into the open air, that is where Finland comes in.

Finland's wide open space, with vast woods and endless lakes, is your typical playground if you are the sporting kind.

Contact your specialist travel agent or your local Finnair office:

AMSTERDAM
ATHENS
BANGKOK
BARCELONA
BEJING
BERLIN
BOSTON
BRUSSELS
BUDAPEST
COPENHAGEN
DUSSELDORF
FRANKFURT
GENEVA
GOTHENBURG
HAMBURG
HELSINKI
ISTANBUL
KIEV
LONDON
MALAGA
MANCHESTER
MILAN
MOSCOW
MUNICH
NEWYORK
NICE
OSAKA
OSLO
PARIS
PETROZAVODSK
PRAGUE
RIGA
ROME
ST.PETERSBURG
SINGAPORE
STOCKHOLM
STUTTGART
SYDNEY
TALLINN
TOKYO
TORONTO
VIENNA
WASHINGTON
ZURICH

ORIENTEERING WORLD

OFFICIAL JOURNAL OF THE INTERNATIONAL ORIENTEERING FEDERATION



1996 ISSUE NO. 4 AUGUST ISSN 1015-4965

TD	1 1		hed	1	
PII	ını	II C	ոբո	n	7.

International Orienteering Federation, Box 76, S-191 21 Sollentuna, Sweden Tel. +46 8 35 34 55, fax +46 8 35 71 68

Editor-in-Chief: Lennart Levin,

Secretary General, IOF

Editor: Clive Allen

Editorial Address: Denzel House, Crowcombe Heathfield, Taunton, Somerset, U.K. TA4 4BT Tel. & Fax: +44 1984 667249

Advertising: contact Clive Allen at the above address, or the IOF Secretariat.

Subscriptions (6 issues yearly):

Europe and all surface mail - SEK 140,-air mail outside Europe - SEK 175,-

Send subscriptions to:

IOF, Box 76, S-191 21 Sollentuna, Sweden. Post giro no. 84263-3, *American Express accepted* or to one of the subscription agents:

Australia: The Australian Orienteer, P.O. Box 263, Jamison Centre, ACT 2614, Australia. AUD 35,- (air mail) or AUD 30,- (surface mail).

Czech Republic: HSH Sport, Gorazdova 5, Praha 2, 120 00, Czech Republic. CZK 580,-.

Denmark: Lars Simonsen, Ny Mårumvej 53, DK-3230 Græsted, Denmark. DKK 125,- (air mail outside Europe DKK 155,-).

Finland: Kyösti Saksman, Worldwide Compass Oy, PL 84, FIN-01601 Vantaa, Finland. FIM 95,-. France: Marcel Ponroy, 9 Rue Cais de Gilette, 06300

Nice: Marcel Ponroy, 9 Rue Cats de Gliette, 06300 Nice, France. FF 110 (air mail outside Europe FF 135). *Germany:* Peter Gehrmann, Holunderweg 39, D-33758 Schloss Holte, Germany. DEM 33,- to account no. 13113857 with Sparkasse Bielefeld, BLZ 480 501 61. *Holland:* Frans Vos, Buurtscheuterlaan 67, NL-6711 HS EDE, Netherlands.

Ireland: John McCullough, 9 Arran Road, Drumcondra, Dublin 9, Ireland. IEP 14,-.

Italy: Baroni Franca, Via Marmolaia 4, 38033 Cavalese TN, Italy. ITL 35,000, air mail outside Europe ITL 40,000. New Zealand: Bruce Collins, Otonga Valley Rd., RD1, Raglan, New Zealand. NZD 40,- (air) or NZD 34,- (surface mail).

Norway: June Bolstad, Postboks 96, N-1801 Askim, Norway. NOK 140,-, air mail outside Europe NOK 175,-Portugal: Higino Esteves, Apartado 2, P-2640 Mafra, Portugal. PTE 3.300, air mail outside Europe PTE 3.900.

Spain: Mapa & Brujula, Parla 2, E-28991 Torrejon de la Calzada, Madrid, Spain. ESP 2.700, air mail outside Europe ESP 3.250.

U.K.: Compass Sport, 25 The Hermitage, Eliot Hill, London SE13 7EH, England. GBP 14.50 (air mail outside Europe GBP 17,-) or use VISA or Mastercard - accounts will be debited 'Compass Sport, Twickenham, UK'. U.S.A.: Sidney Sachs, 6212 Thomas Drive, Springfield, VA 22150-1220, USA. USD 27,- (air mail) or USD 22,-(surface mail).

Printed by Simpson Drewett & Co Ltd, 70 Sheen Road, Richmond, Surrey, England TW9 1UF

CONTENTS

Editorial; latest World Cup news	4
Three pages of elite event reports:	
The World Cup in Sweden	5
Success for the Park World Tour	6
On the elite trail	7
Three pages of IOF Congress reports start here	8
Mountain bike orienteering: the IOF's newest discipline	11
Sue Harvey's President's Column	12
News from the IOF	13
JWOC '96 report: triple gold for Eniko Fey	14
All about IOF licensed controllers	16
Is this the world's highest O-map? asks Shin Murakoshi	17
Points scoring at multi-day events:	
there is a fairer way, says David Rosen	18
Pinewoods and pre-alpine slopes	
Peter Gehrmann at the Austrian 5-days	20
,	
Good environmental practice	
the IOF's principles explained by Ernst Gruhn	21
Events noticeboard	22
International Fixtures List	23

PUBLICATION NOTES

All **contributions** should be sent to the Editor to arrive not later than the deadlines listed below. Text and graphics may be sent on floppy disk - please ring first to check compatibility and also send printed copy.

Readers' letters, articles and photographs for publication are welcomed. Permission from the Editor should be sought prior to reproduction of articles or photographs.

Outside IOF news sections, opinions expressed by Orienteering World's Editor and contributors do not necessarily represent I.O.F. policy.

ISSUE	PUBLICATION DATE CON	NTRIBUTIONS DEADLINE
96/5	11 October (new date)	16 September
96/6	5 December	11 November
97/1	6 February	13 January
97/2	11 April	17 March

COVER PHOTO: Yuri Omelchenko (Ukraine) on his way to victory in the second Park World Tour race in Laxå, Sweden photo: Christer Svensson

Editorial

In approving mountain bike orienteering (MBO) as a new discipline, the IOF has recognised a form of our sport which is likely to appeal to a far broader spectrum of active country-goers than the traditional forms of orienteering. In Great Britain, a recent TV programme presenting MBO produced 200 telephone enquiries in 2 days for more information; there, the fortnightly 'Trailquest' events are increasingly popular and there is an urgent need for more permanent courses in national forests than the 3 for MBO which exist now.

MBO in Great Britain is currently organised by a body which is independent of the British Orienteering Federation. This body has several experienced foot orienteers amongst its leading members, so orienteering best practice is influencing the rules and guidelines being adopted. But in this crowded country where almost all land is 'managed' and that which isn't requires careful protection, there are inevitably some serious concerns being expressed about the impact of mountain bikes on the environment and the hazards they can create for other users of the tracks and paths on which they are allowed.

The dangers are that these negative reactions could affect the image of orienteering as a whole and not just the mountain biking version, and that problems caused by mountain bikers in general could be linked with orienteering in situations where the same land is being used. So should a national orienteering federation embrace MBO, with the chance then to impose the high standards of land access and environmental control already established for foot orienteering, or disown it completely?

Both approaches have their risks. The factors affecting this decision vary widely from country to country. But when, as seems likely within a very few years, people orienteering on mountain bikes in all our major member countries will want to be represented at international MBO events organised by the IOF, collaboration between the national orienteering federations and the bodies organising mountain bike orienteering will be essential.

Is it therefore best to take the initiative now, rather than watching unwanted developments taking place with no chance to have any influence on them - and at the same time missing out on some of the sponsorship and media opportunities already associated with mountain biking?

This is Lennart Levin's last issue as Editor-in-Chief of Orienteering World, and I would like to express my thanks and appreciation for all the help and support he has given to me throughout my period as Editor.

Clive Allen

1996 World Cup after 4 events:

Mårtensson Keeps Top Ranking Position

S candinavian runners dominated the two World Cup individual races in Sweden and Norway at the beginning of August, writes Christer Svensson. No-one more so than Sweden's Gunilla Svärd, who won both races with a margin of more than one minute over her nearest rivals, and now has a 14 point lead in the overall rankings. Timo Karppinen of Finland did almost as well, achieving a first and a second place, beaten in Norway by Johan Ivarsson of Sweden, who now lives in Oslo. But 36-year-old Jörgen Mårtensson remains at the head of the World Cup rankings despite a mistake in the Norway race which put him down in 7th place.

Challenging Terrain in Norway

The programme in Norway started with 3 qualification races for places in the A Final, and these provided some shock disqualifications through mis-punching, including short distance world champion Yuri Omelchenko (UKR) and Swiss star Vroni König. The men's A Final was over 12.2km with 440m climb and 24 controls; the planner's ideal time of

78 minutes was not achieved in the demanding terrain, but 29-year-old Johan Ivarsson achieved his first World Cup win this year (he has been overall World Cup winner twice in the past) with a 19 second lead over Timo Karppinen. Petter Thoresen, back to form after a long injury, was third, 46 seconds down on the winner.

26-year-old Gunilla Svärd won her second World Cup race in a faster time than the planner's 'ideal' of 66 minutes for the 8.2km (315m climb, 18 controls), achieving 65-02. Second-placed Marlena Jansson was 1m 45s slower, with Reeta-Mari Kolkkala third, 2m 36s down.

Sweden's men and Norway's women led throughout in the relays. The Czech men's team battled up into a creditable second place with Norway third and Great Britain fourth. Sweden and Finland took second and third places in the women's race, where New Zealand achieved 6th place, just under 11 minutes behind the winners.

The races in Norway drew good crowds, with over 1,000 participating in the accompanying open events.

Top Fifteen World Cup Rankings

after 4 of the 7 events

arter 1 of the 7 events				
MEN		WOMEN		
1. Jörgen Mårtensson SWE	169	1. Gunilla Svärd SWE	177	
2. Sixten Sild EST	161	2. Yvette Hague GBR	163	
3. Bjørnar Valstad NOR	147	3. Hanne Staff NOR	153	
4. Johan Ivarsson SWE	146	4. Anniina Paronen FIN	148	
5. Kenneth Cederberg FIN	139	5. Heather Monro GBR	144	
6. Timo Karppinen FIN	137	6. Johanna Tiira FIN	142	
7. Håkan Eriksson SWE	135	7. Anette Granstedt SWE	131	
8. Mikael Boström FIN	128	8. Kirsi Tiira FIN	125	
9. Rudolf Ropek CZE	128	9. Marlena Jansson SWE	123	
10. Peter Jacobsson SWE	128	10. Hanne Sandstad NOR	113	
11. Carl H Bjørseth NOR	127	11. Sanna Nymalm FIN	111	
12. Valentin Novikov RUS	116	12. Vroni König SUI	109	
13. Janne Salmi FIN	115	13. Reeta-M Kolkkala FIN	102	
14. Alain Berger SUI	113	14. Marie-L Romanens SUI	100	
15. Thomas Bührer SUI	107	15. Gro Sandstad NOR	99	

NORWAY WORLD CUP RESULTS - SEE PAGE 19

World Cup Event 4, Göteborg, Sweden

Runaway Win for Svärd

Report by CHRISTER SVENSSON

One minute 16 seconds was the margin between Gunilla Svärd and equal second placed Norwegians Torunn Fossli Sæthre and Hanne Staff in Event 4 of the World Cup, a splendidly arranged short distance race held in demanding hilly terrain, typical of the Swedish west coast, at the end of July. Timo Karppinen of Finland won the men's final.

With entries from 118 women and 150 men representing 34 nations, morning qualification races were needed, and the pressure of competition was such that some well known names found themselves in the B Final in the afternoon.



Janne Salmi (Finland) discusses his route choices with the course planner in Göteborg photos: Lennart Levin

The two A Finals were keenly contested, but a near-perfect run by Gunilla Svärd, the Swedish runner from Uppsala who was 3rd in the World Cup rankings before this race, gave her a huge victory; her 76 second lead was followed by 11 runners within 2 minutes! Best non-Scandinavian was Vroni König, Switzerland, in 5th place.

Twenty-two runners finished within 4 minutes of the winner in the men's A Final. Timo Karppinen was fastest in 25.16 for the 4.3km, with Kjetil Bjørlo (Norway) and Mikael Boström (Finland) taking 2nd and 3rd places. Steve Hale, Great Britain, was 4th and Jörgen Mårtensson the leading Swede in 5th place.

The event was very well organised with a centrally placed assembly and spectator area.



l to r: Hanne Staff, Torunn Fossli Sæthre & Gunilla Svärd

LEADING RESULTS

MEN: 1. Timo Karppinen FIN 25.56, 2. Kjetil Bjørlo NOR 26.13, 3. Mikael Boström FIN 26.35, 4. Steve Hale GBR 27.01, 5. Jörgen Mårtensson SWE 27.11, 6. Jon Tvedt NOR 27.18, 7. Alain Berger SUI 27.22, 8. Sixten Sild EST 27.35, 9. Bjørnar Valstad NOR 27.44, 10. Håvard Tveite NOR 27.52, 11. Kenneth Cederberg FIN 27.58, 12. Peter Jacobsson SWE 28.06, 13. Janne Salmi FIN 28.08, 14. Per Ek SWE 28.12, 15. Johan Ivarsson SWE 28.16, 16. Vladimir Kozlov RUS 28.25, 17. Christoph Plattner SUI 28.47, 18. Tommi Tölkkö FIN 29.29, 19. Olivier Coupat FRA 29.34, 20. Janis Ozolins LAT & Carl Henrik Bjørseth NOR 29.44, 22. Dominik Humbel SUI 29.50, 23. Edgaras Voveris LTU 29.58, 24. Vidas Armalis LTU 30.01, 25. Fredrik Löwegren SWE 30.03.

WOMEN: 1. Gunilla Svärd SWE 25.45, 2. Torunn Fossli Sæthre NOR & Hanne Staff NOR 27.01, 4. Johanna Tiira FIN 27.15, 5. Vroni König SUI 27.20, 6. Katarina Borg SWE 27.35, 7. Karolina Arewang SWE 27.49, 8. Sabrina Meister-Fesseler SUI 27.59, 9. Ragnhild Bente Andersen NOR 28.35, 10. Heather Monro GBR 28.41, 11. Yvette Hague GBR & Anniina Paronen FIN 28.57, 13. Reeta-Mari Kolkkala FIN & Hanne Sandstad NOR 29.18, 15. Birgitte Nordahl Husebye NOR 29.19, 16. Sanna Nymalm FIN 29.42, 17. Käthi Widler SUI 29.57, 18. Brigitte Wolf SUI 30.00, 19. Kirsi Tiira FIN 30.02, 20. Gro Sandstad NOR 30.08, 21. Tania Robinson NZL 30.39, 22. Lucie Böhm AUT 31.06, 23. Anna Bogren SWE 31.09, 24. Tine Rasmussen DEN & Marie-Luce Romanens SUI 31.20.

The 1996 Nordic Relay League

Halden SK, Norway, moved up from 6th place in 1995 to be the clear winners of the men's class in the 1996 Nordic Relay League. Expanded to 7 events for 1996 (with the best 5 scores counting), the League has attracted keen support especially from Scandinavian clubs, and the outcome was in doubt until the last race at the Norwegian O-Festival, where Halden achieved their second victory in the League to clinch the 30,000 kronor prize, finishing 13 points ahead of Turun Suunnistajat (Finland).

In the women's class Bækkelagets SK, Norway, entered a team in only 5 of this year's events but achieved 2 outright victories; however Liedon Parma (Finland) ended League winners for the second successive year, with just one victory but a remarkable record of finishing in 4th place or above in all six

races they competed in. In the final race at Trondheim, Liedon Parma clinched the title through finishing third, just 3m 17s ahead of 4th-placed Bækkelagets.

Men's class: 1. Halden SK NOR 463, 2. Turun Suunnistajat FIN 450, 3. IFK Södertälje SWE 435, 4. Fredrikstad SK NOR 431, 5. IFK Göteborg SWE 424. Women's class: 1. Liedon Parma FIN 471, 2. Bækkelagets SK NOR 470, 3. Domnarvets GOIF SWE 459, 4. Halden SK NOR 450, 5. Pargas IF FIN 450

* Bækkelagets SK, the Oslo club with one of the world's best women's elite line-ups including Hanne Staff, Hanne Sandstad, Torunn Fossli-Sæthre and Yvette Hague, will be looking for success from their men's team too in future. Swedish star Johan Ivarsson, now living in Oslo, has joined Bækkelagets, and it is rumoured that top Danes Allan Mogensen and Chris Terkelsen may also be on their way there.

Success for Park World Tour

As a media-friendly series of elite mini-events the Park World Tour, with one event each in Finland, Sweden, Norway and the Czech Republic, is already proving a success. In Vasa, Finland and Laxå, Sweden the best orienteers in the world appeared before large crowds and TV cameras in exciting races with close finishes. The formula of no more than 25 per class, a 1-minute start interval, the start and finish close together and a winning time of 13-15 minutes means that the whole event is packed into an action-packed and entertaining 90 minutes.

Mårtensson and Kolkkala lead after 3 events

For the third event in the series, held on 31st July in the northern part of Oslo, the weather was excellent with good sunshine. Both men and women ran the same course of 2.8km. The women's race went to Reeta-Mari Kolkkala, Finland, in 18.18 with the two leading Britons, Yvette Hague and Heather Monro, tieing for second place in 19.02. Two Swedes, Anette Granstedt and Karolina Arewång, were 4th and 5th. The men's race was won by Rudolf Ropek, Czech Republic, (14.34) who was 15 seconds faster than Kenneth Cederberg, Finland; he was in turn 1 second faster than Norway's Tore Sandvik. Carsten Jørgensen, Denmark was 5th and Jörgen Mårtensson, Sweden, 6th.

After 3 events, Jørgen Mårtensson has a 10-point lead and is the favourite to take the men's title at the final race in Prague in October, but he is sure to be hard pressed by second placed Rudolf Ropek running in front of his home crowd. However Reeta-Mari Kolkkala is an even stronger overall favourite, holding a 16-point lead in the women's table.

Leading points scores: Men: 1. Jörgen Mårtensson SWE 55, 2. Rudolf Ropek CZE 45, 3. Kenneth Cederberg FIN 44, 4. Carsten Jørgensen DEN 40, 5. Janne Salmi FIN 28, 6. Håkan Eriksson SWE 27. Women: 1. Reeta-Mari Kolkkala FIN 51, 2. Gunilla Svärd SWE 35, 3. Marlena Jansson SWE 34, 4. Karolina Arewång SWE 33, 5. Anette Granstedt SWE 32, 6. Heather Monro GBR 31.

Apply for Next Year Now!

* Applications are now being invited from interested clubs to stage events in the 1997 Park World Tour series. Application forms, to be returned by 31st August, can be obtained from Erik Unaas, PB 96, N-1801 Askim, Norway,

fax +47 6988 9980, e-mail http://www.multi.fi/ParkWorldTour.

Event 1 - Finland

In Vasa in the first race of the series, men and women ran the same course of 3.4km with 20 controls, a third of the course being on asphalt.

The women's race resulted in a win for Gunilla Svärd (Sweden) in 18.15, with Hanne Staff (Norway) second, 18.47 and Anette Granstedt third, 18.49. Gunilla achieved the fastest time on 10 of the 20 legs.

In the men's race it was Jörgen Mårtensson, proving himself as adept at this form of orienteering as all others on foot, who came out on top in a time of 14.47, ahead of Rudolf Ropek, Czech Republic (14.54) and Carsten Jørgensen, Denmark (15.07). For Mårtensson, no leg took longer than 63 seconds and the quickest was just 13 seconds!

The high-pressure running created difficulties for a number of competitors. Over the 40 metres between controls 9 and 10, Hanne Staff was fastest of the women in 17 seconds; Heather Monro, on the other hand, took 3m 8s! Other well-known stars also lost more than a minute here.

In the Finnish 'tips' (national betting system), 5 Finnish marks on a Svärd-Mårtensson double gave a return of 14,400 marks!

Event 2 - Sweden

In Laxå in mid-July the day started with a public event with some 200 participants. Again the race was held over a mixture of forest terrain, parkland and streets, and good swimmers benefited from being able to make a faster crossing of the river than those only able to wade. The women's race, over 3km with 15 controls, was won by Marlena Jansson in 17.12, with a tie for second place between Katarina Borg and Karolina Arewång, both timed at 17.15.

World short distance champion Yuri Omelchenko won the 4km men's race with a time of 17.26, 5 seconds quicker than Grant Bluett (Australia); third place went to Jörgen Mårtensson who was 18 seconds down on the winner. A good crowd gathered in the Laxå town square, where the start and finish were situated, to watch the races.

The winner of each race gets 25 points, 2nd place 20, 3rd place 17 and 4th place 15. The first 15 in each race gain points. Prizes go to the six first runners in each class in each event, worth approximately 8,500 Swedish kronor per class.

All 4 competitions count, the overall winners receiving 20,000 Swedish kronor. The final race is in Prague on Tuesday 29th October.



TV cameras recording the finish of the first Park World Tour event in Vasa, Finland photo: Lennart Levin

On the Elite Trail

There was a dramatic opening to the Venla and Jukola Relay weekend in Finland; a 40-strong team of officials had to drive away an adult bear which had been found inside the competition area, writes Christer Svensson. 550 teams took part in the women's 4-leg Venla Relay, won by Bäkkelaget (Norway) by almost 5 minutes from another Norwegian club, Halden SK, with Liedon Parma (Finland) third. 1,100 7-man teams started in the Jukola Relay, won by Turun Suunnistajat in 7.49.37. Second team was Rajamäen Rykmentti, 7.54.27 and third was IFK Södertälje (Sweden) in 7.54.34.

One week later, at the end of June, the **Norwegian O-Festival** was held at Trondheim. An IOF Elite event followed by the final race in the 1996 Nordic Relay League attracted a large international gathering. In H21E, Norwegian Arild Aasheim triumphed in 1.30.25 for the 14km, 8 seconds faster than Danish elite runner Chris Terkelsen. 7 seconds further behind in third place was home runner Per Olaussen, with Swiss stars Alain Berger and Thomas Bührer fourth and fifth. In D21E Hanne Staff continued her very successful season with a 4m 5s victory over the Swiss short

distance world champion Marie-Luce Romanens. Reeta-Mari Kolkkala (Finland) was third.



Katarina Borg, Sweden and Anna Garin, Spain tackle the river crossing in the park race at Laxå photo: Christer Svensson

The relay ended in a double triumph for Halden SK. Their men, with Petter Thoresen back in top form on the last leg after a year of injury, had a relatively comfortable 2m 5s margin over Nydalen SK with Fredrikstad SK third. The last leg of the women's race was a close race between 4 teams with Halden finishing first, 14 seconds ahead of Pargas IF. Liedon Parma, who led at the start of the final leg, finished third.

Well-known names took the top elite places at this year's **O-Ringen 5-days**, the men's class won by 37-year-old Jörgen Mårtensson and the women's by 31-year-old Annika Zell. This was the 32nd Swedish international 5-days event, centred this year on Karlstad in the region Värmland.

16,173 pre-entries were received from a record 39 nations this year, with an additional 1,000 per day on the 'direct' courses. It became an exciting final day in the main elite classes, with ever-green Jörgen Mårtensson from Strägnäs Malmby winning by 20 seconds from Michael Wehlin of Södertälje. It was another 7m 49s before the third placed runner, Arto Rautiainen (Göteborg), entered the finish. The best foreign placing was Norwegian Anders Bjørnsgård, in 5th place 10.55 after 'Jögge'.

Jörgen won three of the stages, but the second stage could have ended badly for him when he was followed for some distance through the forest by an event official, disturbing his concentration.

The finish of the women's elite was an even closer affair: Annika Zell, Sundsvalls OK's 'Ski-O Queen', won by just 8 seconds over 25-year-old Karolina Arewång, who was 6m 3s faster than Annika on the final day. Third, 2.06 behind, was Swedish-born Anna Garin, now living in Spain.



The 18th IOF Congress, 17-21 July 1996, Jerusalem, Israel

A Congress with Style

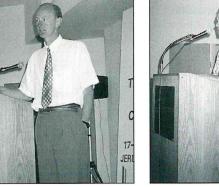
66The City of Jerusalem welcomes the IOF Congress". The big sign alongside the main road into the city was the first indication that this 18th Congress would be one to remember. The Holyland Hotel, in the western part of Jerusalem, with its extensive gardens provided all the facilities needed for the numerous meetings and for the rare times of relaxation. A night tour of the Old City, a longer day tour around Jerusalem, a visit to the Holocaust Museum and an excursion to the Dead Sea were also in the programme, and the Congress participants from 33 nations competed in 5 classes to stage what was certainly the most international and perhaps almost the biggest mountain bike orienteering event yet held.

Opening Ceremony

The Opening Ceremony, held in the flood-







 $Speakers\ at\ the\ Congress: (lto\ r)\ Hugh\ Cameron\ (AUS), \\ \mathring{A}ke\ Jacobson\ (SWE), \\ Higino\ Esteves\ (POR)$

lit hotel garden as darkness fell, set the tone. There was a rousing performance by the Israel Police Orchestra, brought in through links with the Police Orienteering Club. Congress was welcomed by representatives from the city of Jerusalem and the Ministry of Tourism and by Michael Friedlander, President of the Israel Sport Orienteering Association. IOF President Sue Harvey spoke of the objectives for the Congress and the IOF's role at its now mature age of 35. An outdoor dinner and coffee served Bedouin-style completed a memorable evening.

Memorable Settings

The Israeli organisers, headed by Michael Friedlander and ISOA Chairman Giora Cohen, planned everything to near-perfection (only the buses were sometimes wayward, more than once turning up at the



Sue Harvey tosses a coin to decide who speaks first in the bids for WOC 2001; Edmond Széchényi, Rimantas Mikaitis and Anne Braggins look on

Holiday Inn by mistake!), and their helpers and the hotel staff worked extremely hard throughout the Congress period to ensure that all went well. The results were highly successful, with a number of memorable settings used in an imaginative way.

Entertainment

At the Closing Ceremony, again on the lawn, Sue Harvey awarded the IOF Bronze Pin of Honour to Sarolta Monspart and Einar Undstad (see note elsewhere), and presented the IOF banner to the ISOA. This was followed by a barbeque and entertainment from a local singer and a dancing team, the former enticing various Congress participants to partner her - the most impressive of these by far being Shin Murakoshi of Japan.

Many people stayed on after the Congress to sample more of Israel, a country full of historical interest and impressive natural features - and with a very active and resourceful body of orienteers.

Congress Delegates Try MBO

uring the Congress over 100 delegates from 30 nations took part in a MBO competition organised by the Israeli federation in President Forest, west of Jerusalem. There was much apprehension as delegates realised that the shortest course was more than 10km in length, and even more when early starters were seen taking their mountain bikes (hired, with helmets, by the organisers) uphill through rough and prickly terrain.

Once under way, however, most competitors enjoyed the experience and many could be seen riding at speed along the forest tracks or manhandling their bikes up and down sometimes steep slopes on short forays into the terrain. This first experience of MBO for many delegates could see them actively encouraging development in their own countries on their return home!

Petteri Kahari FIN (49-32) won the long course open class, but Ian Rochford GBR in H40 was faster with a time of 46-05 for the 13km. Other class winners were: Women's Open: Natalia Badea ROM (IOF President Sue Harvey was second); H40B: Konrad Becker SUI: H21B: Francisco Pereira POR.



Choosing from the 100+ hired bikes prior to the MBO event photo: Birthe Helms

The Main Congress Decisions

New Members

Argentina and Chile were formally accepted as associate members of the IOF, bringing the number of member nations to

New Discipline

Mountain Bike Orienteering was accepted as a new discipline under the auspices of the IOF.

The IOF Structure

Changes to the IOF Structure, along with the necessary Statutes changes, were approved. These changes take account of the growing number of disciplines; there will in future be separate committees for each discipline (each with its specialist committees and project teams as required), and

ternal funding. The Plan confirms the aim of getting orienteering included in Summer and Winter Olympic Games and the Paralympic Games.

Sponsors' Name Restrictions

Proposals from Australia, that naming restrictions be lifted so that a sponsor's name can be included in an IOF event title, and from Italy, that Council members be elected for 4-year terms, were withdrawn after discussion.

Expenses Payments

A proposal from Australia, that Council works towards incorporating in the IOF budget the travel and accommodation costs for Council members and Committee Chairs when attending scheduled meet-



cross-disciplinary committees covering such areas as development, communications and mapping.

Composition of Council

Congress agreed, after some procedural difficulties, to change the composition of Council such that only one member need be from outside Europe, rather than two as required by the old Statutes. The change takes effect with the 1998 Council elections. If a vacancy in Council arises during a Congress period, Council has the right to appoint a temporary member until the next Congress.

WOC Appointments

A proposal that the organisers of future World Championships be appointed by Council (rather than by the Congress as at present) was defeated.

Forward Plan

A new Forward Plan for the IOF was approved. Key objectives are creation of a higher profile for orienteering, an increase in the number of countries where orienteering is practiced (as a step towards inclusion of orienteering in the Olympic programme) and a stronger IOF, with wider participation in IOF work and greater exings, was approved.

New Ski-O Events

Two proposals from Russia, that the Ski-O JWOC be held every year and that a Ski-O Veteran World Cup be introduced, were both approved. Annual JWOC's will be

Sara-Mae Berman, USA, making a point from the floor photos: JCA

held from 1998, and the first VWC will take place in 1999.

WOC 2001 - Finland

The foot-O World Championships in 2001 were allocated to Finland; the event centre will be the town of Tampere. A call for WOC organisers to provide family-friendly accommodation with child care facilities for competitors was warmly supported.

Ski-O WOC 2000 - Russia

The Ski-Orienteering World Championships in 2000 were allocated to Russia (Krasnoiarsk).

Financial Matters

The accounts for the past Congress period were accepted. After some modification to remove a proposed increase in membership fees for some smaller O-nations, the fees for 1997-98 proposed by Council were approved. There was unanimous approval that a move towards equalisation of membership fees, begun with this new Congress period, should be continued. However a number of nations argued that some differential should be maintained in the long term. The budget for 1997-98 was also approved.

Elections

Sue Harvey GBR (President), Hugh Cameron AUS, Åke Jacobson SWE and Edmond Széchényi FRA (Vice-Presidents) were elected unopposed. On a vote, Thomas Brogli SUI, Higino Esteves POR, Rimantas Mikaitis LTU and Flemming Nørgaard DEN were elected Council members, together with Bruce Wolfe USA who was elected automatically as the second non-European member.

Auditors

Auditors for the new Congress period will be appointed by the Finnish and Portuguese federations.

Venue of Next Congress

Portugal (Sintra) was agreed as the venue for the 1998 IOF Congress.

Presentation to Lennart Levin

The closure of the General ▲ Assembly of Congress marked the end of the last IOF meeting attended by Lennart Levin as Secretary General - he retires from the post at the end of August.

Sue Harvey, on behalf of the Council, thanked Lennart for all his work (see Sue's President's Column in this issue) and presented him with a handsome chess set, to the accompaniment of a standing ovation from the assembled delegates.

IOF Finances - a Big Debating Point



The IOF now has a Finance Officer (Edmond Széchényi, pictured left) and proposals which he put forward to move towards equalising membership fees for full member nations were approved by the Congress.

In the last Congress period, income from IOF events has increased and two important sponsorship deals have been signed (with Suunto and Finnair). Income from membership

fees has also been greater, resulting from the relatively rapid growth in the number of member federations in recent years.

Many international sports governing bodies have a zero membership fee for their national federation members, all necessary income coming from other sources - these often including lucrative television contracts. In the IOF, one nation (Sweden) has paid twice as much as any other nation in recent years, with Finland and Norway also contributing sums well beyond the mean. Ten countries have been paying 75% of the fees.

Congress decided that membership fee income should be reduced in steps over the next few years. Pressure for greater spending in a number of areas is growing all the time, however, payment of the expenses of senior officials being the latest addition to the list. And bigger budgets for the IOF's committees are needed if their work is not to continue to be very limited in scope.

Income already negotiated for 1997-98 will enable the first stage of membership fee reductions to be accomplished whilst still achieving a balanced budget. Thereafter it would appear that new and reliable sources of income will have to be found to enable more of the IOF's longer-term plans to be achieved.

Clive Allen

Abstentions Discouraged on Ski-O Votes



As the voting rules in the IOF Statutes stand, an abstention in a simple majority vote on a Resolution counts as a 'no' vote, so all nations were encouraged to register a positive vote on all issues. Here Giorgi Cohen and Michael Friedlander, Congress Organisers and Israeli delegates, show their approval for a new Veteran World Cup in Ski-O - an event never likely to be staged in Israel!

Congress Snippets

Not everyone's journey to the Congress venue was entirely straightforward. A bus carrying some 20 delegates suffered a puncture on leaving the airport, necessitating a detour to a repair shop in the outskirts of Tel Aviv. In error, the driver then took the now tired and hungry group to the Holiday Inn instead of the Holyland Hotel; he refused the offer of Larry Berman (USA) to guide him with a detailed town map, preferring navigation by telephone direction from his office for what proved to be a half-hour search for the correct destination. delegates were delayed by a General Strike which closed the airport for 8 hours.

IOF President Sue Harvey missed her way during a night tour of Jerusalem's Old City, becoming separated from the main party in the neighbourhood of the 'Wailing Wall'. Maybe she needed more time

Problems with voting procedures arose at one stage during the General Assembly, due to contradictory wording in two of the IOF's Statutes. The IOF Council will be proposing changes to the Statutes at the start of the next Congress General Assembly to ensure that such problems do not arise again.

At the closing ceremony of the Congress, Sue Harvey presented IOF Bronze Pins of Honour to two retiring Councilmembers: Sarolta Monspart (Hungary), who was first elected to the Council in 1982, and Einar Undstad (Norway), a member since 1992. Sarolta was World Champion in 1972 in Czechoslovakia, and both Sarolta and Einar have been very active in coaching and other fields since the 1970's.

Congress delegates were able to see a preliminary version of the IOF's Home Page



An enforced stop for tyre repairs on the way from the airport (see item above) photo: JCA

than the rest of us for prayer and meditation, it was being suggested.

6 The cocktail party will be held in the swimming pool"
- Michael Friedlander, ISOA President, announcing evening arrangements.

Sue Harvey, opening the General Assembly of the Congress, referred to the MBO event for Congress participants held the day before. Not many federations would practise their sport at their Congress, she thought. For a sport such as synchronised swimming it could be an interesting challenge...

on Internet during a break in the proceedings, as well as watch the new Trail O video and a TV recording from the Veteran World Cup in Spain.

Should there be limits to the scale of lobbying by countries applying to stage a World Championships? This question was being raised informally by some Congress delegates on encountering the extensive promotional activities of the Finnish federation in its (successful) bid to stage WOC 2001. Restriction to plain information in paper form in the future, it was being said, would ensure no disadvantage to less wealthy nations wanting to apply.

Mountain Bike Orienteering the IOF's Newest Discipline

Still very much in its formative stages, Mountain Bike Orienteering (MBO) differs widely in styles of event organisation and course planning practice from one country to another. In May, the new IOF MBO Committee held its first meeting; it laid down some specific rules which can be applied world-wide and prepared exciting plans for the next stages of development.

Courses - Similar to Ski-O

Courses are set along the same lines as those for ski orienteering. The skills to be tested are accurate map reading and good route choice decisions at high cycling speeds. Rules and practice are to be developed with the priority that this discipline is attractive to the media.

The terrain used should have a reasonably dense network of tracks. It is at present too early to set definite competition winning times, but for individual courses it is felt that these should not exceed 120 minutes for men and 100 minutes for women. Relay competitions should be introduced from the start with leg times not exceeding 50 minutes.

Essential Specific Competition Rules

- Unless specified otherwise, it is strictly forbidden to ride off tracks marked on the map
- The wearing of a hard helmet is compulsory
- Special care must be taken by competitors and organisers to respect environmental questions
- The condition of the bikes (e.g. brakes) must be checked by the organiser before the start
- The control card must remain attached to the bike throughout the competition
- Competitors may carry tools
- Competitors may replace parts but may not seek or obtain help to carry out repairs

Maps

Map scale should not exceed 1:20,000. Maps used could be either specially drawn for MBO or overprinted foot-O maps.

Special maps for MBO can use all the

symbols of orienteering maps, but only where required for MBO (visible from paths and tracks) so as not to overload the map.

Coding on Maps

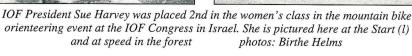
There should be a specific coding for tracks and paths according to the quality of the track surface and its width, as follows:

- symbol 504 indicates an excellent track surface
- symbol 505 indicates a medium track surface
- symbol 507 indicates a very poor surface, could be unrideable

These symbols should be drawn with a line thickness depending on the width of the track:

- 0.5mm for tracks 2m wide or more
- 0.35mm for tracks from 1m to 2m
- 0.25mm for tracks less than 1m in width





Foot orienteering maps when used should be overprinted in green as follows:

- if the surface of the track is better than what the original black drawing suggests, overprint with a solid green line;
- if the surface is worse than what should be expected from the drawing, overprint with a series of green dots.

International Calendar

The end objective is a World Championships in 2002 with at least 15 countries competing. In the years 2000 and 2001 there will be a World Cup with 2 or 3 rounds - 8 competitions in all including relays.

International competitions will be arranged each year, initially in Europe, to work up towards this objective. The first will be held at Reims, France from 1st to 3rd November this year, and in 1997, international events in France, Spain and Finland are being planned.

It is envisaged that a similar time-scale of competition development will apply for juniors.

Development

The IOF MBO Committee believes that development should concentrate on countries where either foot orienteering or mountain biking (or both) are strong competitive sports. In the first instance, the sport could well develop in most Nordic, Baltic, Central and West European countries.

Those taking part in the first (unofficial) MBO committee meeting were:

Edmond Széchényi (IOF Council), Michel Devrieux (FRA), Timo Rautio (FIN), Jan Semik CZE and José Terreros ESP.



SUE HARVEY'S President's Column

The IOF at 35

This year the IOF entered the 35 age class. As you may know, the federation is 35 years old, having been founded in the summer of 1961.

For a federation, as for a person, being more mature adds both opportunities and responsibilities. At 35 a person begins to branch out into new pursuits - and we see the IOF branching out with the 1996 Congress approving mountain bike orienteering as an IOF discipline. At 35 one begins to think of the next generation. This Congress laid the foundation of a structure which should allow for the future. It will open the possibility for each discipline to develop in its own way and at its own pace, while retaining the strength of unity through the common elements. Aged 35 one is becoming ambitious. Olympic ambitions are a primary focus for the sport and the IOF just now.

At its foundation in 1961 the IOF had 11 members, nearly half of them Nordic. The IOF now has more than 4 times that

teering in a host of countries, not least my own. It is Sweden which provided IOF's President for two thirds of the past 35 years, and the Secretariat and the Secretary General for 32 of the 35. It is against this background that I record the appointment of a Finn, Barbro Rönnberg, as Secretary General from 2 September this year and the movement of the Secretariat to Helsinki in January 1997.

Significantly, our Secretariat will remain in a Nordic country. The IOF may be 35 but we still need the strength of our roots. Significantly, our new Secretary General speaks a Scandinavian language understood throughout Scandinavia - on top of Finnish, and French, and of course fluent English, our official language. But that is in the future. Just now let me take a moment to look back.

Lennart Levin - a True Internationalist

The 1996 Congress said good-bye to our retiring Secretary General, Lennart Levin of Sweden. Swede he may be, but Lennart has also above all always been a true internationalist. A great supporter of small nations, keen to encourage new countries to spread their

Th VIIIth

Lennart Levin, retiring
Secretary General, and his
wife Mai receiving from
IOF President Sue Harvey
a poster signed by
all the delegates present
at the Congress
in Israel

photo: JCA

number (Argentina and Chile were accepted as numbers 47 and 48 at the Jerusalem Congress) and the Nordic countries now make up just one tenth of the total membership. Despite that, our Nordic base remains the place where half the world's orienteers are. It is where many of our best foot orienteers go to train. It is the source of a high proportion of medal winners at top senior foot orienteering competitions.

Among the Nordic countries, Sweden has long been the largest (number-wise) in orienteering terms. Sweden has also been a leader of international development. It was Swedes who first organised orienwings, Lennart looked at what was best for the orienteering world as a whole.

Lennart came to the IOF 10 years ago from the academic world. He had been a keen orienteer for many years, and had served on the SOFT Council. He was appointed as IOF's first full-time paid Secretary General. It was a brave step in 1986, both for him and for the IOF, and was pushed through by a far-sighted Bengt Saltin, then President, who rightly judged that without this solid back-up the IOF could never reach full maturity as a world sport. It was no mean feat, and involved convincing the Nordic federations to increase their membership

fees tenfold to fund the appointment. This huge contribution by the Nordic federations was extremely significant in terms of orienteering's world-wide development.

As the IOF has grown, the job of Secretary General grew, and it would be inconceivable now to go back to a purely part-time staff. In the early days, a considerable part of the job involved translation, as the IOF worked in 2 languages. Communication remains an important part of the job, and Lennart has always taken pleasure in language. Indeed he and I have indulged in a private epistolatory game this last 2 years in our daily exchanges by fax, tossing to each other the more obscure delights of the English language. For good measure Lennart often throws in some Latin bits too.

Lennart's work as Secretary General has never been a daily 9a.m. to 5p.m. Not only starting early and finishing late, travelling at all hours and attending meetings going on long into the evening, Lennart has also been more than generous in accommodating orienteers in his home. Mai, his wife, must be included here too. With a job herself, and 4 children (now grown up), plus grand children as well, she has nevertheless welcomed countless orienteers to Tornskogsvagen, myself included on many occasions. Not part of the job description, the Levins' hospitality will be remembered by many.

Language and words are not Lennart's only hobby. In addition to orienteering, he has long enjoyed langlauf skiing in winter, including completing the 50km Vasaloppet. However his most beloved pastime is playing chess. A champion in his youth, he is a skilled player and recently qualified for and competed in the Swedish Championships. I have watched him play but once, some years ago, when he masterfully and convincingly LOST to my 11 year old son who, knowing Lennart's august reputation, was mightily pleased with his young self. I hope retirement will give Lennart the time to enjoy his chess to the full.

A true gentleman, an unobtrusive supporter of gender equity, a communicator, an internationalist, Lennart has watched over our Secretariat from the time when a letter took 4 days to get from London to Stockholm right through to the present when instant e-mail links the world. On behalf of all the member federations of the IOF I'd like to say thank you to Lennart for 10 years of service to orienteering.

IOF Council Decisions

The new IOF Council, meeting immediately after the end of the Congress, formally confirmed the appointment of Barbro Rönnberg, Finland, as Secretary General of the IOF for the Congress period 1996-98 and that the Secretariat will be located in Helsinki from the beginning of 1997.

Nominations

Council agreed on the following nominations:

Senior Vice-President: Åke Jacobson President's Working Group (PWG) members: The President and the three Vice-Presidents

Finance Officer: Edmond Széchényi

Brit Volden, Norway, was appointed IOF Anti Doping Controller.

The IOF Council decided to reorganise the working structure and the division of responsibilities between Council and Committees. The new structure will be developed during the next few months and will come into effect by the beginning of next year. The present steering group chairs and members will therefore be retained until the end of this year.

IOF Events

The Council decided to appoint the Czech Republic organiser of the Junior World Championships in 2000 and New Zealand organiser of the Veteran World Cup in 2000.

An Events Committee proposal for the allocation of **World Cup events in 2000** was agreed. There will be 4 rounds:

- (1) Australia, Japan (allocation to Japan provisional) April/May
- (2) Finland (Finnish 5 Days) July
- (3) Belorussia, Ukraine (allocations provisional) August
- (4) Portugal, Spain (allocation to Spain provisional) September

The sequence of the events is also provisional.

The next Council meeting will be held on 13-15 September 1996 in Copenhagen, Denmark.



The new IOF Council: l to r Edmond Széchényi, Higino Esteves, Thomas Brogli, Sue Harvey, Flemming Nørgaard, Hugh Cameron, Rimantas Mikaitis, Barbro Rönnberg (new Secretary General) and Åke Jacobson. Bruce Wolfe could not be present photo: JCA

International Orienteering Federation **Member Nations** (* - associate members) Argentina* ARG Italy ITA Secretariat Australia **AUS** Japan JPN Box 76, S-191 21 Sollentuna, Sweden Austria AUT Kazakstan KAZ **Telephone:** +46 8 353 455 Belgium Fax: +46 8 357 168 BEL Korea **KOR** Belorussia BLR Latvia LAT Secretary General: Lennart Levin Brazil* BRA Lithuania LTU (Barbro Rönnberg from 2/9/96) Bulgaria BUL Macedonia* **MKD** Staff: Berit Pehrson, Karin Tibbelin Canada CAN Malaysia* MAS Chile* CHI Netherlands **NED** IOF Council 1996-98 **IOF** Committees China CHN New Zealand NZL President Development (DC) Croatia **CRO** Norway NOR Sue Harvey, Great Britain Events (EC) Cuba* **CUB** Poland POL Senior Vice President Mapping (MC) Czech Republic CZE Portugal POR Åke Jacobson, Sweden Ski-Orienteering (SC) Denmark DEN Romania ROM Vice Presidents Technical (TC) Ecuador* **ECU** Russia RUS Hugh Cameron, Australia Trail-O (Trail C) Estonia **EST** Slovakia **SVK** Edmond Széchényi, France Finland FIN Slovenia SLO Chairmen France FRA South Africa **RSA Council Members** DC: Birthe Helms, Denmark Germany **GER** Spain **ESP** Thomas Brogli, Switzerland EC: Geir Tveit, Norway Great Britain **GBR** Sweden **SWE** Higino Esteves, Portugal MC: Flemming Nørgaard Hong Kong **HKG** Switzerland SUI Rimantas Mikaitis, Lithuania SC: Veli-Markku Korteniemi, Finland Hungary HUN Ukraine UKR Flemming Nørgaard, Denmark TC: Barry McCrae, Australia Ireland IRL United States **USA** Bruce Wolfe, USA Trail C: Anne Braggins, Great Britain Israel **ISR** Yugoslavia YUG

Triple Gold for Eniko Fey

Report on JWOC '96 in Romania by HUGH CAMERON and BLAIR TREWIN, Australia

Nearly 300 of the world's best junior orienteers, from 34 nations, converged on the Romanian town of Baile Govora in mid-July to compete in the 1996 Junior World Orienteering Championships. Baile Govora, a spa town, is situated 360m above sea level in the southern sub-Carpathian Mountains.

The staging of the JWOC came only 6 years after the Romanian Orienteering Federation ioined the IOF. Event Directors Natalia Badea, the ROF President and Ciprian Coman, the Secretary General, together with Technical Director Nicolae Stroescu led a team of dedicated organisers. The Opening Ceremony, held in the town square in 30°C temperatures, delighted competitors, team leaders and officials with an artistic programme of traditional Romanian music and folk dancing.

Short Distance Races

The competitive programme began the following day with the Short Distance event. With the 1:10,000 map of Malul Alb, the women completed a 3.8km course (185m climb) while the men ran 4.7km (220m climb) in quite a clean forest with numerous tracks and paths.

In the women's event, it was a day of triumph for the host nation with a victory for Eniko Fey in 26.32, 84 seconds ahead of the silver medalist, Annika Björk, SWE, with Ioulia Morozova, RUS, securing the bronze only 26 seconds behind the Swedish runner. A margin of 38 seconds secured Gabor Domonyik, HUN, successive short distance gold medals from Johan Modig, SWE in 29.43 with Horatiu Grecu (ROM) taking the bronze in 30.04.

The short distance day was one of excitement with spectators

Eniko Fey, Romania - triple gold medallist

photo: Hugh Cameron

in the finish area having a clear view of the runners as they navigated to the last control. Late in the women's race, Annika Björk broke Ioulia Morozova's time, but after only one and a half minutes a roar from the crowd signalled the approach of Eniko Fey to the final control, her first position unchallenged by later runners.

Meanwhile, the men's field had been finishing without anyone placing serious pressure on Johan Modig's time, but all eyes were on a group of runners starting around 11.30 - including the 1995 gold medallist Gabor Domonyik (HUN). Domonyik entered the approaches to the last control together with Horatiu Grecu and Richard Bolt (NZL): Domonyik had again produced his best on JWOC day and moved into first place. Richard Bolt became the first New Zealand junior man to reach the top ten at this level of competition.

The soaring temperatures of the previous day were not repeated and the medal presentation, enhanced by the assistance of Romanian youth in traditional costume, was held in light rain.

Challenging Classic Courses

The forests of Sirineasa provided the setting for the classic, a race which proved to be technically and physically challenging for the JWOC competitors. The men ran 11.4km and the women 7.2km, and the mapped 'green' areas had seen prolific growth in the weeks prior to the event.

It was apparent soon after the start that the times would be well spread as it was two hours before any runner came within 5 minutes of the 1-27-56 time set by Vladimir Lucan, CZE. It was mid-way through the race when Maricel Olaru, ROM, crossed the finish line in 1.22.43 and the crowd sensed that this was going to be a time difficult to beat.

Meanwhile in the women's classic, Ioulia Morozova's 1.09.27 was beaten first by Katerina Pacna CZE (1.07.59) and then by Eniko Fey (1.06.24), Eniko thus securing her second gold medal.

In the men's race, the waiting began. Tension mounted at the finish with the crowd anxiously

LEADING RESULTS - SHORT DISTANCE

Men: 1. Gabor Domonyik HUN 29.05, 2. Johan Modig SWE 29.43, 3. Horatiu Grecu ROM 30.04, 4. Niclas Jonasson SWE 30.18, 5. Rolf M Pedersen NOR 30.30, 6. Ingo Horst GER 30.44, 7. Maricel Olaru ROM 30.48, 8. Frantisek Libant SVK 30.55, 9. Giermund Glesnes NOR 31.00, 10. Richard Bolt NZL 31.14, 11. Florin Dorobantu ROM 31.37, 12. Marian Davidik SVK 31.40, 13. Petteri Laitinen FIN 31.44, 14. Toni Louhisola FIN 32.21, 15. Donatus Schnyder SUI 32.22, 16. Vidar Solberg NOR 32.29, 17. Adrian Klauser SUI 32.34, 18. Michal Horacek CZE 32.43, 19. Jørgen Rostrup NOR 32.47, 20. Lajos Sarecz HUN 32.49, 21. Alexandre Chtcherbakov RUS 33.03, 22. Maxim Stelmah UKR 33.15, 23. Hans Gunnar Omdal NOR 33.20, 24. Per Öberg SWE 33.21, 25. Mads Ingvardsen DEN 33.27.

Women: 1. Eniko Fey ROM 26.32, 2. Annika Björk SWE 27.56, 3. Ioulia Morozova RUS 28.22, 4. Maria Lubinszki HUN 28.36, 5. Barbara Schultess SUI 28.45, 6. Laure Coupsat FRA 28.48, 7. Maria Dahlin SWE 28.52, 8. Olga Terekhova RUS 28.53, 9. Simone Luder SUI 28.54, 10. Hanna Heiskanen FIN 28.57, 11. Katerina Pracna CZE 29.17, 12. Tatiana Pereliaeva RUS 29.18, 13. Ulrika Jönsson SWE 29.35, 14. Anna Marsell SWE 30.07, 15. Jo Allison AUS 30.18, 16. Zsuzsa Fey ROM 30.20, 17. Susane Wehrli SUI 30.23, 18. Merete Bigum DEN 30.27, 19. Anne Margrethe Hausken NOR 30.31, 20. Paula Haapakoski FIN 31.00, 21. Satu Vesalainen FIN 31.03, 22. Jo Smith GBR 31.05, 23. Cassie Trewin AUS 31.15, 24. Allison Jones AUS 31.25, 25. Martina Rakayova SVK 31.50.



Eniko Gall, Zsuzsa Fey and Eniko Fey celebrate victory for Romania in the women's relay

awaiting any sign of the defending champion, Gabor Domonyik. However it was Anders Axenborg, SWE, 1.23.56 who emerged from the forest and moved into the silver medal position, with Jani Lakanen of Finland securing the bronze by 14 seconds from Horatiu Grecu of Romania.

The 1996 JWOC programme scheduled the rest day between the classic and the relay, an initiative welcomed by both competitors and team officials.

Exciting Relays

The Relay at Arsanca proved to be an exciting competition between 39 men's teams and 20 women's teams in terrain described as generally hilly, with good runnability and visibility but with steep gullies. The courses were set using the Farsta method, with some variation in leg length. The finish area, a large grassed clearing, provided a view of the runners from the time they approached the last control until the finish line. At the end of the first leg, the first 5 men's teams - Poland, Slovakia, Norway, Sweden and Australia - were separated by just 16 seconds. In the women's race it was Great Britain and Finland 1 second apart after the first leg, with Poland 18 seconds behind.

An air of anticipation could be felt as the third leg runners entered the forest. Could Eniko Fey bring home her third gold medal? 'A resounding cry from the crowd was testimony to her achievement as the Romanian

team of Eniko Gall, Zsuzsa Fey and Eniko Fey crossed the line 4m 17s ahead of Switzerland, with Russia a further 44 seconds down to take bronze.

With three third leg runners in the finish schute, the Czech Republic triumphed by 6 seconds over neighbours Slovakia, with Switzerland taking the bronze medal.

The relay event brought the competition to a fitting climax. Romania hosted a most successful JWOC. The spirit of the event was captured by the organisers when they presented South African competitor Nicholas Mulder with a special award. After breaking his arm at the training camp, Nicholas, determined to represent his country with pride, competed in and completed all 3 events.

As the IOF flag was handed to Belgium, the 1997 JWOC organiser, the obvious friendships established in Romania between the young athletes from the 34 nations epitomised the success of the Junior World Orienteering Championship.

1. CZE1 (M Horacek, V Lucan, L Mateju) 2.20.25 2. SVK1 (F Libant, M Bukovac, M Davidik) 2 20 31 3. SUI1 (U Müller, D Schnyder, A Klauser) 2.20.34 RUS2 2.23.02 5. DEN₁ 2.25.14 SWE1 6. 2.28.26 7. FIN1 2.29.20 8. NOR1 2.32.09 9. AUS1 2.33.37 10. LAT 2.33.50 WOMEN: 1. ROM2 (E Gall, Z Fey, E Fey) 1.54.40

RELAY RESULTS

2. SUI1 (S Luder, R Hulliger, S Wegmuller) 1.58.57 3. RUS1 (J Morozova, O Trekhova, T Pereliaeva) 1.59.41 4. CZE1 1.59.56 SWE1 5. 2.00.46 6. FIN1 2.00.55 7. POL1 2.04.38

8. HUN1 2.04.58 9. NOR2 2.09.35 10. SVK 2.12.15



The beginning and the end:

Troy De Haas (AUS)
waits, with Richard
Monvoisin (FRA), to start
the JWOC Relay (left),
and gives his all
down the finish schute
to hand over
in 5th place (right)

photos: Hugh Cameron



LEADING RESULTS - CLASSIC

Men: 1. Marcel Olaru ROM 82.43, 2. Anders Axenborg SWE 83.56, 3. Jani Lakenen FIN 85.09, 4. Horatiu Grecu ROM 85.23, 5. Donatus Schnyder SUI 85.28, 6. Petteri Laitinen FIN 86.32, 7. Vladimir Lucan CZE 87.56, 8. Florin Dorobantu ROM 89.11, 9. Gabor Domonyik HUN 90.30, 10. Vidar Solberg NOR 91.02, 11. Toni Louhisola FIN 91.14, 12. Richard Bolt NZL 91.28, 13. Enrico Cristellon ITA 93.04, 14. Jesper Damgaard DEN 93.31, 15. Jonne Lakanen FIN 93.38, 16. Michail Andreev UKR 94.08, 17. Marian Davidik SVK 94.53, 18. Adrian Klauser SUI 95.01, 19. Michal Horacek CZE 95.29, 20. Urs Müller SUI 95.51, 21. Francois Gonon FRA 95.57, 22. Robert Walter AUS 96.00, 23. Hubert Klauser SUI 96.20, 24. Roman Efimov RUS 96.30.

Women: 1. Eniko Fey ROM 66.24, 2. Katerina Pracna CZE 67.59, 3. Karin Schmalfeld GER 68.25, 4. Ioulia Morozova RUS 69.27, 5. Annika Björk SWE 69.31, 6. Regula Hulliger SUI 70.07, 7. Audrey Perbet FRA 70.16, 8. Barbara Schultess SUI 72.01, 9. Simone Luder SUI 72.06, 10. Agnieszka Karnia POL 74.03, 11. Satu Vesalainen FIN 74.22, 12. Zsuzsa Fey ROM 74.38, 13. Maria Hoffman FIN 76.07, 14. Sara Wegmuller SUI 76.16, 15. Jo Allison AUS 77.22, 16. Ewa Kozlowska POL 78.03, 17. Maria Lubinszki HUN 78.12, 18. Zdenka Stara CZE 79.29, 19. Eniko Gall ROM 79.35, 20. Merete Bigum DEN 80.41, 21= Hana Ryglova CZE & Satu Mäkitammi FIN 81.08, 23. Hanna Heiskanen FIN 81.34, 24. Michaela Gigon AUT 82.21, 25. Kirsten Fairfax AUS 82.42.

IOF Licensed Controllers

by Lars-Åke Larsson and Barrie McCrae, IOF Technical Committee

Since the beginning of 1995, all major IOF events, including IOF Elite (IOFE) events, are required to have controllers who hold an IOF Controller licence. In addition, it is desirable that jury members at these events are IOF licensed controllers.

Requirements

The requirements for becoming a licensed controller are:

- be an active orienteer
- be recognised as being a top standard controller by your federation
- have successfully controlled a major national or international event in the last three years
- have competed abroad several times, preferably in different countries, or have other broad international orienteering experience
- be familiar with the *Competition Rules for IOF Events* and other special rules or norms such as the *International Specifications for Orienteering Maps* and *Control Descriptions*
- be competent in the English language
- have attended an appropriate IOF Controller clinic

First Clinic in 1991

The first IOF Controller clinic was conducted in Männedorf in Switzerland in December 1991. Since then clinics have been held in Australia, Belgium, Estonia, Great Britain, Latvia, Norway, Portugal, Spain and Sweden. In addition, clinics are planned for the near future in USA, Slovakia, New Zealand, Hong Kong and Japan.

At the outset, a total of 39 controllers from 20 federations were licensed and now there are 91 licensed controllers from 21 federations. As well as acting as controllers of major events, it is expected that licensed controllers will take on

educational tasks such as conducting clinics on technical matters for the IOF or their federation.

Valid for 3 Years

An IOF Controller license is only valid for three years and licenses are not automatically renewed. To be re-accredited, a controller must have controlled an international or major national event in the last three years, or performed similar tasks such as conducted controller clinics or played a



IOF Technical Committee Chairman Barrie McCrae making a point at the IOF Congress photo: JCA

leading role in the organisation of a major event. Originally, some controllers were licensed without having attended an IOF Controller clinic, but they have been advised that they will not be re-accredited unless they attend such a clinic in the meantime.

The IOF Technical Committee is responsible for establishing the panel of IOF licensed controllers, conducting Controller clinics and maintaining contact with the controllers. The IOF Events Committee is responsible for appointing controllers for IOF events and for monitoring their work. The two committees liaise closely to ensure that appropriate appointments are made, taking into account the particular experience and expertise required for a given event.

More Required

More IOF licensed controllers are still required, especially from those federations that are under-represented at the moment. Application forms are available from your federation or from the IOF Secretariat. Applications must be submitted through the applicant's federation which is required to endorse the application - and, remember, you *must* have attended an appropriate IOF Controller clinic.

Interested in Hosting a Clinic?

The Technical Committee would like to hear from any federation that is willing to host an IOF Controller clinic in the next two years. Either of two types of clinics can be arranged: educational clinics for federations with little or no experience in conducting IOF events, or licensing clinics for federations that have many experienced controllers.

Licensing clinics are conducted in English and it is preferable if these clinics are arranged so that controllers from more than one federation can attend.

Interested federations should notify the IOF Secretariat, explaining their interest and indicating who the Technical Committee should contact for further information.

New Electronic Punching System

A t the IOF High-Tech Group meeting in Dresden, Germany on 3-4 May, prototypes of a new electronic punching system produced by the German company AES were demonstrated.

The advantage stated for this system, compared to what is used in currently known systems, is that the competitor's tag is based on an electronic circuit that stores information without requiring a battery. Therefore the lifetime of the competitor's tag is, in principle, unlimited. The price quoted for the competitor's tag is in the range 3-6 DEM.

The drawback is that the control stand unit requires more

battery power (supplied from rechargeable batteries) and more circuitry. Estimated price range for the control stand unit is 100-130 DEM.

Another consequence of the new system is that the transfer of information (the 'punch') is not instantaneous - it can take several hundred milliseconds.

The High-Tech Group felt that this system could be developed into an elegant punching product which solved some of the drawbacks of the currently known systems. A letter conveying the HTG's positive assessment of the system is being sent in order that AES can seek state funds to finance further development.

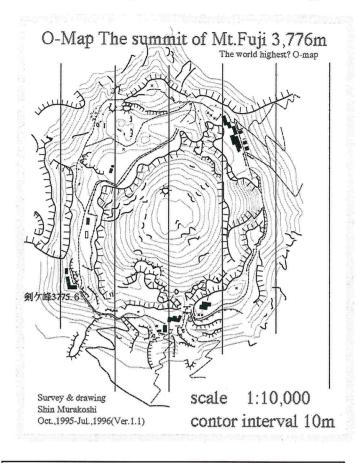
The High-Tech Group Newsletter

The latest issue of the IOF High-Tech Group's Newsletter includes articles on the APOZA electronic punching system, OCAD and GPS, a new Czech course planning program, and a new version of 'Condes' for Windows.

Copies of the Newsletter can

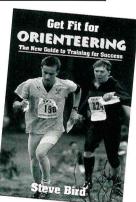
be obtained from national federation offices. In future, the HTG plans to publish articles on the IOF Home Page on Internet as they become available. This could lead to the demise of the Newsletter in paper form. If you have views on this, please contact the HTG c/o the IOF Secretariat.

The Highest O-Map?



Books from CompassSport





Outward Bound Orienteering Handbook

General text book of orienteering from British international star Martin Bagness. Outstanding quality of writing. No photos but plenty of line drawings. 112pp 231x154mm.

Price GB£8.99 plus postage & packing (Europe airmail & overseas surface - £1.35; overseas airmail - £2.50)

Get Fit for Orienteering

A book by British exercise physiologist Steve Bird that concentrates on how you can work on and improve the physical side of your orienteering performance. Well illustrated with many photos and line drawings. 128pp 237x165mm.

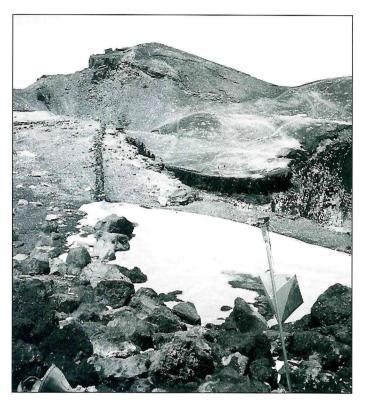
Price GB£9.95 plus postage & packing (Europe airmail & overseas surface - £1.80, overseas airmail - £3.50)

Order from address below. VISA/MASTERCARD accepted.
CompassSport Magazine, 37 Sandycoombe Road,
Twickenham, TW1 2LR, England.
Tel: +44 181 892 9429 Fax: +44 181 255 0762
e-mail: compass.sport@dial.pipex.com
Check out our full book list on our home page:
http://dspace.dial.pipex.com/town/square/at44/index.htm

The first edition of an Omap of the summit area of the extinct volcano Mount Fuji in Japan, 3,776 m high, has been made by top Japanese orienteer Shin Murakoshi; a

(very) small competition was held there in July. Is this the highest O-map in the world?

If you think otherwise, please let the Editor know.



Letter to the Editor

In issue 96/3 of Orienteering World our President Sue Harvey is asking after a definition of the sport of orienteering. At last she found it: "navigating yourself while you move yourself as fast as you can".

When the sport was new in Great Britain about 30 years ago, it was common to have

competitions in navigating by car on small and winding roads. John Disley, well known as one of the first leaders of British orienteering and as an Olympic competitor in steeplechase, made an analogy with his popular definition: "car navigation without a car and without roads".

Erik Tobé

Keep up with 0 in the "New World"-read

ORIENTEERING

NORTH AMERICA !!!

The only magazine to cover the sport for the US & Canada, with 8 full issues per year, color maps in about half the issues. We cover what's happening from coast to coast, all around this continent from north to south. You'll find O in all its forms: foot-O, Rogaines, Ski-O, Score-O, Vampire-O, etc! You won't want to miss all the plans of the upcoming multi-day events in Ontario & New York (on WOC-93 maps), Great Rivers O-Week in Ohio/Missouri, and the VWC-97 in Minnesota.

RATES (8 issues per year):
Overseas surface mail
Overseas air to Europe
Overseas air elsewhere
\$US 27.00
\$US 27.00
\$US 45.00
\$US 51.00

Please make checks to: SM & L Berman Publishing Co, 23 Fayette St, Cambridge, MA 02139, USA. Payment in US funds. You may subscribe using Visa or Mastercard through J. Berman's Orienteering Supply, P.O. Box 460, Sunderland, MA 01375, phone/fax 413-665-7822, at the following rates:overseas surface, \$US 32.00; overseas air from Europe, \$US 50.00; overseas from elsewhere, \$US 56.00.

DAVID ROSEN argues that there is a much fairer way of calculating competitors' points scores in multi-day events than those currently in use

A Rational Scoring System for Galoppen-type Multi-Day Events

A number of Multi-Day Orienteering Events operate on a "Galoppen" system i.e. the final score is based on the competitor's best n results - where n is less than the total number of races. Such events include the Norwegian Sørlandsgaloppen and the Scottish 6-Days.

In these events, the variation in Orienteering courses from race to race (despite the planners' best endeavours) is such that it is not sensible to simply add the competitors best n times together. Some form of conversion into points is required, which standardises the scores.

Winner's Performance Dominates

The current formula used at Sørlands-galoppen:

Points = 1000 less 1 point for every 3 seconds behind the winner

and the current formula at the Scottish 6-days:

Points = 1000 x Winner's Time/Competitor's Time

both standardise by awarding the winner 1000 points and basing everyone else's time on that. They are therefore both strongly affected by the performance of that one individual, which often makes the other competitors' points more dependent on how the leader does than on how they themselves did. In addition, the Scottish 6-Day formula is non-linear with respect to time which distorts the scores lower down the field.

The Scottish 6-days has a chasing start on the final day, but of course it is very difficult to sensibly convert non-linear scores back into times to draw up the final day start list.

Although both formulae supposedly have the merit of simplicity, neither event could possibly operate without a computerised results system.

It seems to me that for a much more logical

scoring system, we need look no further than the classic method for standardising two different distributions - subtract the mean (average) and divide by the standard deviation. This eliminates the effects of different length courses and varying spreads of times due to the roughness or complexity of the terrain. The person who runs the average time scores 1000 points. Faster or slower times have points added or deducted on the basis of 200 points for each standard deviation.

The mean or average is a reasonably familiar concept but standard deviation may be less so. Very roughly, the standard deviation is the average difference of times from the mean time - so large standard deviations indicate that the times are well spread out.

Proposed Scoring Rules

Having thought long and hard about it, and having written a computer program which I have run against a number of sets of results, I propose the following scoring rules:

1. Scores are calculated using the formula

Score = 1000 - 200(Runner's Time - Average Time)/Standard Deviation

- 2. Times slower than 3 times the winner's time are ignored for the purpose of calculating the average and standard deviation.
- 3. The average time is calculated by adding the times and dividing by the number of competitors.
- 4. The standard deviation is calculated by adding the square of the differences from the average time, dividing by the number of competitors, and taking the square root.
- 5. If the number of competitors is less than five, then the standard deviation is taken to be one quarter of the average time.
- 6. If only one person completes the course, or no-one else is within 3 times the winner's time, then the winner scores 1200.

The standard deviation is taken to be one quarter of the winning (= average) time.

- 7. Negative Scores count as zero points.
- 8. To calculate the start time in a chasing start, find the average standard deviation over the days so far. Divide that by 200 giving minutes per point. Use this minutes per point to convert the points behind the leader into start time behind the leader.
- 9. Standard deviation and mean are not changed after some agreed time (e.g. course closing time) regardless of any later reinstatements.

Informative Results Display

The results display at the race site could show the values of the average time and the standard deviation, based on the results so far, and each runner's preliminary score based on those values. Over the course of the day, the displayed scores will become closer and closer to the final ones, as any later finishers will have only a small effect on the values.

This scoring system could also be applied to regional or national leagues and ranking systems.

I am strongly encouraging the Scottish 6-Days to adopt this scoring system, as I (and many others) have become fed up with the deficiencies of the current system.

I would welcome comments on the above proposals.

David Rosen, 27 Beech Road, Halton, Lancaster, U.K. LA2 6QQ Fax & Telephone +44 1524 811553 E-Mail 100570.1204@compuserve.com

'Spin-off' for Tasmania from 1992 Veteran World Cup Continues

A current series in Launceston's *Examiner* celebrating small business initiatives details the success of former Mole Creek supermarket and hotel owner Greg Hynes, who sold up to start a fishing lure making industry.

"His break into the international market came when Norwegian Per Reider-Speiler, in Tasmania for the orienteering championships, looked him up. He went fishing with Mr. Reider-Speiler, one of the largest lure manufacturers and distributors in Europe. They caught 7 trout on Hynes' brown bomber. Not long afterwards his fax rattled off an order for 80,000 lures from Mr. Reider-Speiler"

Valerie Bramall

WORLD CUP RACES, NORWAY LEADING RESULTS

CLASSIC, MEN: 1. Johan Ivarsson SWE 1.21.17, 2. Timo Karppinen FIN 1.21.36, 3. Petter Thoresen NOR 1.22.03, 4. Håkan Eriksson SWE 1.25.31, 5. Kjetil Bjørlo NOR 1.25.59, 6. Alain Berger SUI 1.26.21, 7. Jörgen Mårtensson SWE 1.26.42, 8. Mikael Boström FIN 1.26.43, 9. Sixten Sild EST 1.27.29, 10. Christoph Plattner SUI 1.28.41, 11. Valentin Novikov RUS 1.29.15, 12. Kenneth Cederberg FIN 1.29.36, 13. Håvard Tveite NOR 1.30.21, 14. Rudolf Ropek CZE 1.30.31, 15. Flemming Jørgensen DEN 1.31.15, 16. Bjørnar Valstad NOR 1.31.24, 17. Janne Salmi FIN 1.31.32, 18. Carl Henrik Bjørseth NOR 1.32.19, 19. Jozef Pollak SVK 1.32.31, 20. Tommi Tölkkö FIN 1.32.46, 21. Jon Tvedt NOR 1.33.25, 22. Thomas Bührer SUI 1.33.33, 23. Janis Ozolins LAT 1.34.37, 24. Peter Jacobsson SWE 1.34.56, 25. Per Ek SWE 1.35.02.

WOMEN: 1. Gunilla Svärd SWE 1.05.02, 2. Marlena Jansson SWE 1.06.47, 3. Reeta-Mari Kolkkala FIN 1.07.38, 4. Hanne Staff NOR 1.09.07, 5. Sanna Nymalm FIN 1.09.58, 6. Marie-Luce Romanens SUI 1.10.46, 7. Hanne Sandstad NOR 1.11.38, 8. Anniina Paronen FIN 1.11.49, 9. Johanna Tiira FIN 1.11.58, 10. Yvette Hague GBR 1.12.35, 11. Heather Monro GBR 1.13.55, 12. Anette Granstedt SWE 1.14.59, 13. Karolina Arewång SWE 1.14.48, 14. Gro Sandstad NOR 1.15.01, 15. Käthi Widler SUI 1.15.14, 16. Jana Cieslarová CZE 1.16.40, 17. Anna Bogren SWE 1.17.01, 18. Kirsi Tiira FIN 1.17.04, 19. Ragnhild Bente Andersen NOR 1.17.17, 20. Katarina Borg SWE 1.17.47, 21. Birgitte Nordahl Husebye NOR 1.18.22, 22. Eija Koskivaara FIN 1.18.59, 23. Tracy Bluett AUS 1.19.46, 24. Brigitte Wolf SUI 1.20.27, 25. Lucie Böhm AUT 1.20.55.

RELAY, MEN: 1. Sweden (H Eriksson, J Mårtensson, J Ivarsson) 2.49.32, 2. Czech Rep. (L Zridkavesely, T Prokes, R Ropek) 2.51.13, 3. Norway (B Valstad, K Bjørlo, P Thoresen) 2.54.09, 4. Gt. Britain 2.54.19, 5. Finland 2.54.41, 6. Lithuania 2.57.35, 7. Denmark 2.57.41, 8. Switzerland 3.00.04, 9. Estonia 3.00.10, 10. Russia 3.00.54.

WOMEN: 1. Norway (T Sæthre, H Sandstad, H Staff) 2.10.44, 2.

The IOF on Internet

There is now an official I IOF World Wide Web home page on Internet, just as many orienteering clubs and national federations have their home pages. The IOF home page will provide reliable, upto-date information such as event calendar, results, rules, address lists etc. It will also facilitate communication between IOF and the individual orienteer and the national federations, for example by providing a means for publishing news from the IOF.

The home page will start out modestly. It contains lists of useful addresses (IOF Secretariat, officials, member federations etc). It has up-to-date versions of IOF publications such as Rules for International Events and In-

ternational Specifications for Orienteering Maps. It has the IOF official events calendar, and a link to the searchable international event calendar.

We hope that it will also be possible to provide topical information, results and maps from World Cup and World Championships events as they become available.

To start with the home page will be maintained by the High Tech Group and other volunteers, but in due time it is hoped that the IOF Secretariat will be able to take over some of the work.

And finally, the most important piece of information! The IOF's Internet address is: http://www.orienteering.org

Sweden 2 (A Bogren, K Arewång, K Borg) 2.14.56, 3. Finland 2.15.19, 4. Switzerland 2.18.26, 5. Norway 22.18.31, 6. N. Zealand 2.21.40, 7. Gt. Britain 2.22.35, 8. Finland 2 2.22.41, 9. Russia 2.22.48, 10. Switzerland 2 2.28.43.

5 - 6 October 1996

European Autumn Cup Brussels - Belgium

Saturday 5

midday

Sprint

evening

Night

Sunday 6

morning

Classic

Results by competition and cumulative for the 3 competitions **Accommodation:** lodging and meals available

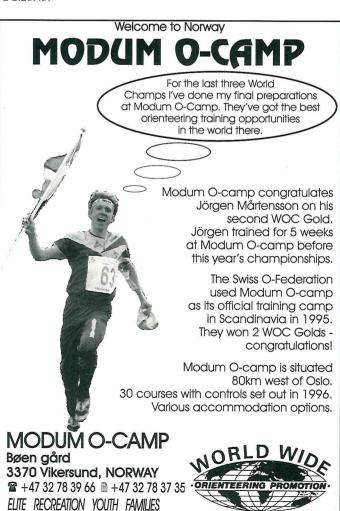
Registration and information:

F.R.S.O., Av. Général Bernheim 31, B-1040 Brussels Tel. & fax +32 2 640 6922

Would you like to join Tomáš Prokeš and train in WOC 91 or WC 94 terrains in the Czech Republic?

- > Great maps Czech Paradise, WOC 91, WC 94, Prague
- > Cheap accomodation FULLBOARD from 24,- DEM

For more informations contact Wild Sports Travel: P.O. BOX 77, 182 00 Praha 8, Czech Republic Tel./Fax: +42-2-688 40 41



PETER GEHRMANN competed in the 1996 International 5-Days in Austria

Pinewoods and Pre-alpine Slopes

nternational multi-day competitions can greatly increase the prestige of an orienteering nation. All that is offered by way of organisation, technical standard and hospitality is very often regarded by visitors as representative of the whole country's orienteering. Therefore it is often the case that organisers of major orienteering competitions themselves as representatives of their homeland, presenting it in the best possible light. The organisers of the annual 5-Days event in Austrian Wiener Neustadt certainly saw things this way, dedicating their great competition to the one thousand years' existence of Austria, and by doing this they not only roused the interest of the participants but also gained the support and help of their highest political representatives.



Jana Cieslarova, Czech Republic, dominated the women's elite photos: Peter Gehrmann

The organisers of the Army sports club Wiener Neustadt welcomed as guests about 1300 competitors from 24 nations, from 8th to 13th July. Gottfried Tobler (whose whole family

was pulled into the organisation team) was, as the Chief of Staff for 90 organisers, an appreciated expert in orienteering - and organisation. The orienteers in the east of Austria



Pavarel Kosarek, Czech Republic, winner of H21E

have undoubtedly got much experience in our sport - they can look back upon a long tradition of map-making and event organisation. And some very strong orienteers have emerged from this region again and again. So it was not surprising to find, amongst the course planners and controllers of the 5-days, names which are well known and highly respected in the orienteering world beyond Austria's borders. The orienteering pioneers Franz Maier and Helmut Fiala, the long-time top runners Karl Lang and Manfred Stockmeier, and last but not least Martin Brantner, who caused a sensation when he won a World Cup race in the north of Italy ahead of the best Scandinavian runners a few years ago.

Interesting Competition Days, Interesting Names

The Austrians offered a very interesting mixture of terrain types from their country for the 5-days, and imaginative names for each competition day provided advance feelings of excitement - or apprehension. The 'Flat One' took place in a totally flat pine forest which was planted by Queen Maria Theresia in the 18th century. Then followed the 'Alpine One', on rough and marshy prealpine terrain, where orienteers uncertain of their footing or short of determination could be found with tears in their eyes. On the third day, the 'Historic One', the international orienteering crowd assembled on the tounament ground of Siebenstein Castle. Near to the start you could visit the 'Turkensturz', a steep cliff where in the 16th century enemy Turks fell to their deaths, deceived by a ruse of local farmers. The fourth day, the 'Varied One', was notable for two totally different types of terrain, which required quite different orienteering technique. The exciting final day of the 5-Days was, because of its chasing start, labelled the 'Decisive One'.

Czech Ladies' Team Dominates Women's Elite

The most prominent runners in the women's elite were undoubtedly the members of the Czech ladies' team, in which Jana Cieslarova, a world champion at short distance, and Maria (Maika) Honzova were the most well known.

While Jana took a narrow lead on the first day, Maika had an unlucky early mistake which put her back in 6th place. Her team-mate Ineta Liberdova took 2nd place instead, and despite two second places and a victory on the following days, Maika was still almost 2 minutes down on Ineta for the chasing start. The gully terrain of the final day proved unsuitable for risk-taking and several mistakes prevented Maika from moving up to second place. Jana remained in undisputed first place throughout.

Hot on the heels of the three Czech runners was the Australian Tracy Bluett, well placed at 4th overall. The Austrian Bati Tobler provided an unfortunate example of how in orienteering you have no advantages when your father is chief organiser. On the first day, when her father Gottfried Tobler was the map-maker, a catastrophic mistake put her at the foot of the women's elite results - but she fought back day by day to finish a creditable 6th.

Exciting Duel between Kosarek and Gammauf

In the high-entry men's elite class, Czech Pavel Kosarek and Austrian Manfred Gammauf fought out a close duel from the start. Kosarek won the first day,



Gottfried Tobler (right), an approachable organiser, here in conversation with Eborhard Höfer, Germany

Gammauf countered with victory on the second, and there were just a few seconds difference at the end of the third.

On day 4, Kosarek gave himself a margin of 2 minutes for the final chasing start, with noone but Gammauf within striking distance. In the chasing start, Manfred Gammauf committed himself totally to a high-risk run in the final day's low-visibility ditch terrain, and paid the price: orienteering mistakes pushed him further and further back. Kosarek, who with Gammauf on his heels felt always under pressure, also did not have an ideal final. It was Christian Mohn from Switzerland who had the last laugh by getting the fastest time of this competition day.

Orienteering How We Like It

Behind all the friendly impressions of the competitions, you could find around the edges much to remark on during the five days. You could see in H21B the former world champion in alpine skiing, Peter Müller from Switzerland, you could note among the elite runners the Finnish top ski orienteer Vesa Mäkipää, or you could meet whilst hunting controls in the forest such international VIPs as Yvonne Caspari, Switzerland, for a long time responsible for doping control in the IOF, or the organiser of the Ski-O World Championships in 1988, Raimo Jäskälainen from Finland.

Gottfried Tobler was always available as organiser with a friendly word. His wife gave you encouraging words for your race, and those who recognised his daughter Bati as the cover girl of the official invitation got a lucky smile as a reward-just 30 seconds before the start!

It was orienteering how we like it, there in the forests around Wiener Neustadt.

> ADVERTISE YOUR EVENT IN ORIENTEERING WORLD!

Good Environmental Practice in Orienteering

by ERNST GRUHN, Germany

The IOF Council has approved a statement on good environmental practice in orienteering, adopting 7 principles which will be applied by the IOF in its control and development work. These principles are appropriate for the conduct of orienteering in any part of the world.

A project team within the IOF Technical Committee made up of Ernst Gruhn (Germany, leader), David Hogg (Australia), Vladimir Mikan (Czech Republic) and Brian Parker (Great Britain) prepared the statement early this year, using as a basis the GAISF Resolution on the Environment adopted at its meeting in Seoul in October 1995. The project team has also collected guidelines and statements of environmental practice from a number of national federations. These help to emphasise the extent to which environmental problems vary from country to country: hunters in mid-Europe, bush fires in Australia, for example.

The project team will meet again in the autumn to plan its next steps. Some of the collected material could be useful to younger orienteering nations to help them understand some of the problems they might be faced with; production of a set of very general guidelines is one possible action.

All member nations are being encouraged to include a set of environmental principles when next revising their rules.

The 7 principles are:

- to continue to be aware of the need to preserve a healthy environment and to integrate this principle into the fundamental conduct of Orienteering;
- to ensure that the rules of competition and best practice in the organisation of events are consistent with the principle of respect for the environment and the protection of flora and fauna;
- to co-operate with landowners, government authorities and environmental organisations so that best practice may be defined;
- to take particular care to observe local regulations for environmental protection, to maintain the litter-free nature of Orienteering and to take proper measures to avoid pollution;
- to include environmental good practice in the education and training of orienteers and officials;

- to heighten the national federations' awareness of world-wide environmental problems so that they may adopt, apply and popularise principles to safeguard Orienteering's sensitive use of the countryside;
- to recommend that the national federations prepare environmental good practice guidelines specific to their own countries.
- * The March-May issue of The Australian Orienteer examines in detail the issues confronting orienteers when planning the use of land for an event. The two main articles illustrate how different the environmental issues can be in different parts of the world. In one of the articles David Hogg, the Editor of TAO and a member of the IOF's project team, includes the social value of orienteering as one of the factors to consider.
- "Apart from the obvious personal enjoyment that participants obtain from the sport, orienteering is invaluable in developing life skills such as self-confidence in the bush, the correct use of maps and compasses and an appreciation of the natural environment at a level of detail of which many people are oblivious", he says. Based on 23 years of professional experience, he regards commonsense as the most valuable human attribute in environmental planning and management.
- * In Great Britain, some access restrictions to Cannock Chase, a top-class orienteering area in the English Midlands, have been relaxed. This may be the result of environmentalists taking note of a government report on 'The Environmental Impact of Leisure Activities'.

The report made it clear that many environmental objections to sports such as orienteering were based on 'cultural perceptions' rather than reasoned concern about environmental damage.

* The German delegation at the IOF Congress was mandated to vote against the acceptance of mountain bike orienteering as a new IOF discipline, the only federation to register a 'no' vote. In Germany, mountain bikes are widely ridden off tracks without regard to environmental impact, and the German Sports Council fears that land access managers will lay the blame for all mis-use of mountain bikes at the door of orienteers if they are known to control some aspect of their sporting use. In Denmark there has been no move to introduce MBO for similar reasons.

Events Noticeboard

Yugoslavian Welcome

If you are looking for an early autumn O-holiday in new terrain, there is still time to enter the international competition YU OPEN '96 which will be held in the beautiful Mountain Tara National Park in Serbia, 13-15 September. The race terrain is situated between 1000 -1300m altitude, being slopes with coniferous woodland, mostly hilly with small depressions. Both days are within walking distance of the competition centre at Mountain Tara - Mitrovac.

There will be special bus transportation from all parts of Yugoslavia (including Belgrade), with departures to Tara on 12th and 13th September and return on 15th September. Accommodation of all types is available at the event centre. For entries and enquiries, and tourist and travel information, contact the Yugoslav Orienteering Federation, tel. +381 2631 2330, fax +381 2631 3031.

Israel for Christmas!

After a successful start last year, the Israeli federation is expanding its Christmas multi-day event to three days this year, with the best two results to count. The forests of Neot-Kdumim, Canada Park and Masua'a in the central part of Israel will be used. A special price deal at the hotel in Jerusalem used for the IOF Congress has been negotiated, and coach travel will be provided to and from the events.

Israel in winter is like Europe in the spring or summertime; daytime temperatures in Jerusalem are around 15° in December, with plenty of sunshine, so very pleasant conditions for a touring holiday in addition to the events. The competition terrain is quite tough and rocky, the trees predominantly pine, plus open

areas and plantations (oranges, olives etc.). This year's event dates are 26-28 December. For entries and more information, contact Israel Sport Orienteering Association, P.O.B. 1392, Ramat Hasharon 47100, Israel, tel. +972 9 981758, fax +972 9 984323.

Veteran World Cup Dates

Many veterans will already be planning their 1997 O-holiday around the Veteran World Cup in Minnesota, USA, the dates for which are 29 September - 4 October. The 1998 and 1999 venues and dates have now been finalised: in 1998, the Czech Republic will host the event from 1st to 5th May, and in 1999 the venue is Aarhus, Denmark and the dates 24-31 July, between the Swedish 5-days and the Scottish 6-Days (which will be in northern Scotland, associated with the World Championships).

The Veteran World Cup in 2000 has been allocated to New Zealand. No doubt this will attract many Europeans for a first visit 'down under', just as the VWC in Tasmania did a few years ago.

Winter Training in Portugal

Spain has long been a venue for winter training away from the cold of northern Europe, but Portugal now provides an attractive alternative venue. Official training camps will be organised in February 1997, just before the Portugal O Meeting (an IOF Elite Event) which is on 1st & 2nd March. There is also an open international event combined with the Iberian Championships on 1-3 November this year. For details of these and other training opportunities and events, contact Federação Portuguesa de Orientação, Apartado 2, PT-2640 Mafra, Portugal, tel. & fax +351 61 812710, stating the time period you are interested in.

1996 European Trail O Championships: 1-3 November, Antwerp, Belgium

The championships will be held in 3 beautiful parks of the city of Antwerp, with many good paths which will make Trail O really enjoyable. Thursday November 1st will be the training day, while the championships will take place the following two days.

The city of Antwerp has offered us the possibility to have our competition centre in the city's school for disabled people, where we can offer all necessary accommodation for lodging, food, transportation and socialising.

The lodging will be in school rooms, and is therefore very cheap: 30 US dollars per person per day for half board. On the other hand, there are plenty of wheelchair-accessible hotel rooms in Antwerp, at prices from 80 US dollars upwards.

We plan to offer the participants more than orienteering: Antwerp is the city of Rubens, the world capital of diamonds, a big port and the European cultural capital 1993. There will be plenty of sightseeing to do.

Last but not least, in order to promote the integration of Trail O, we will offer a classic-O two-day competition for non trail orienteers on the same days in the same parks. At least a few hundred Flemish orienteers will participate.

Entry forms and more information are available from:
Trol vzw
Halenstraat 19
B-2060 Antwerpen
Belgium
Tel. +32 3 235 1398,
fax +32 14 43 76 13
Mark van Bruggen

International Trail O in Denmark

TheNordic international Trail O match involving the best competitors from Norway, Finland, Sweden and Denmark will be held near Åbenrå, southern Denmark, on 31 August and 1 September. At the end of July it had attracted 28 participants, a very encouraging entry.

An open B event will also be held, and competitors from all countries are invited to enter up to 21st August.

Entries and details: Knud Vogelius, Stidalsvej 34 A, DK-8600 Silkeborg, Denmark, tel. +45 8685 3606.

1998 World Cup Programme Finalised

The dates and venues for the first 4 events of the 1998 World Cup, in Ireland and England, have now been agreed.

Killarney in County Kerry, Ireland, is the event centre for Events 1 and 2-a classic race entirely on rough open terrain on Saturday 23rd May (with qualification races the previous day) and a relay in mixed forest on Monday 25th May. The Shamrock O-Ringen 3-day event will take place concurrently.

The two events in England are on Thursday 28th May (classic) and Sunday 31st May (short distance). For the latter, there are qualification races the previous day. The venue is Newby Bridge in the south of the English Lake District, using typical Lake District terrain of mixed deciduous and conferous woodland with much contour and rock detail.



Australia T+61 0394 4668

T +61 0394 4668

* Nationale 3, Pontarlier, France C

A Ruaud, F-25640 Braillans, France T+33 815 79017

International Junior Match, Brussels, Belgium (25/9)

* Australian Champs., St Helens, Tasmania (22/8) I/R

OAT, P.O. Box 206, Gravelly Beach 7276, Australia

J-N Debehogne, 31 avenue Général Bernheim,

1040 Bruxelles, Belgium T & F +32 2 640 6922

29

OCT

4-6

5-6

INTERNATIONAL FIXTURES LIST



This list includes all open events in the IOF Calendar up to the end of 1996 with closing dates after 20th August. The entry closing date, where known, is shown at the end of the event name. Then follows the type of event: I - individual, C - classic, S - short distance, L $long\ distance,\ R-relay,\ R(N+D)-relay\ (night+day),\ MB-mountain\ bike\ orienteering.\ A\ number\ indicates\ the\ number\ of\ days,\ e.g.$ 2I/R means 2-day individual followed by relay. Line 2 gives the contact address and telephone and fax numbers.

A*indica	tes that the event is designated an IOF Elite Event.		serepee
AUGUST		OCT	
17-25	N. American Round-up, Harriman State Park, New	5-6	Suunto Games, Voose, Estonia (10/9) 2I
	York, USA 6I R Slater, 28 Hanover Drive, Cookstown,		Estonian OF, Regati 1, EE-0019 Tallinn, Estonia
Car Stell - Earlis Ste	NJ 08511, USA T+1 609 758 0785		T +372 2 237021, F +372 2 238387
23-25	Grand Prix Polonia, Klodzko, Poland 3C	12	25-manna, Stockholm, Sweden (2/9) R
	WOZBnO, ul. Laciarska 4, 50-104 Wroclaw, Poland		O Blomgren, Mjölnartäppan 67, S-136 53 Haninge,
24.25	T +48 71 448271, F +48 71 448543	10	Sweden T +46 86 053 211
24-25	Internationaler 2-Tage-OL, Ried/Oberösterreich,	12	V kolo for MOS, Skopje, Macedonia (1/10) I
	Austria 2I HSV Ried, G Gittmaier, Fleischhacken 27,		PSD 'Elema', Elektrotehnicki i Masinski fakultet, 91000
30-1/9	A-4906 Eberschwang, Austria T +43 7753 3129 Slovakia Cup events 7&8, Banská Bystrica, Slovakia	12-13	Skopje, Macedonia, T +389 91 225958 (ask for Dule)
30-117	S/R V Dermek, Dumbierska 38, 974 01 Banská	12-13	Latinum Certamen, Vallombrosa (Toscana), Italy (30/9) C/S S Manfrin, Via Orvieto 7, 50047 Prato, Italy
	Bystrica, Slovakia T +42 88 84529		T +39 574 35282
31-1/9	MDOC Twin Peaks Weekend, Macclesfield, England	19-20	N. American Champs., Meramac State Park/Sullivan,
10000000	2I S Birkenshaw, 221 Hale Road, Hale, Altrincham,		MO, USA 2I E Shafer, 7612 Stanford Avenue,
	England WA15 8DN T+44 161 980 5068		St. Louis, MO 63130, USA T+1 314 727 2945
SEPT		19	* Blodslitet, Fredrikstad, Norway (29/9) L
7	Slovakia Short Dist. Champs., Bratislava (30/8) S		R Weum, Oredalsvn. 113, N-1613 Fredrikstad, Norway
	M Petrinec, Pankovicova 13, 821 08 Bratislava, Slovakia		T +47 6931 6031, F +47 6911 9698
_	T +42 7 239 743	22	Sass Peepre Memorial Event, Carbondale, IL, USA I
8	Slovakia Cup event 9, Bratislava (30/8) C		E Shafer, address as above
	S Máj, Studenohorská 91, 841 03 Bratislava, Slovakia	24	GROW Midweek Meet '96, Brandenburg, KY, USA
0	T +42 7 760 042		J Distler, 5304 Old Heady Road, Louisville, KY 40299,
8	17th Donau Cup, Nestin, Yugoslavia (25/8) I	26.27	USA T+1 502 266 9700
14-15	OK Nestin, p. fah 1, 21314 Nestin, Yugoslavia	26-27	Smålandskavlen, Jönköping, Sweden (30/9) R(N+D)
14-13	Slovenian Championships, Ljubljana (7/9) I/R OK Tivoli, Brodarjev trg 12, 61000 Ljubljana, Slovenia		T Bäckman, Tärngatan 9, S-575 34 Eksjö, Sweden
	T +386 61 140 6441	26-27	T +46 381 13397, F +46 381 14000
14-15	YU Open, Tara, Yugoslavia (1/9) 2I	20-27	US Individual Champs, Brookville, IN 2I E Kennedy, 1628 Mears Avenue, Cincinnati, OH 45230,
1115	Yugoslav OF, p. fah 33, 11420 Smed. Palanka,		USA T +1 513 232 0572
	Yugoslavia T +381 2631 2330, F +381 2631 3031	NOV	00/1 1 11 313 232 0372
14-15	Campionati Italiani Assoluti, Gallio-Asiago	2-3	Chpt de France de C.O. A VTT, Reims, France 2MB
	(Vicenza), Italy (31/8) I/R A Giacomazzi,		Ligue de Champagne-Ardenne, 2 rue de la Barre, 51500
	Via Zaguri 40, 36100 Vicenza, Italy T +39 444 500471,		Sillery, France T +33 2649 1825
	F +39 444 520467	3	Nov. Classic National Event, New Forest, S England
15	Harvester Trophy, Hexham, England (31/8) R(N+D)		C D Bonser, 25 Carlyn Drive, Chandlers Ford, Hants,
	M Crosby, 35 Allanville, Camperdown, Newcastle-		England SO53 2DT T+44 1703 266722
	upon-Tyne, England NE12 0XS T +44 191 268 5449	10	Meeting Internazionale di Venezia, Venice, Italy
15-16	Macedonian Kup '96, Tetovo, Macedonia (1/9) 2I		(1/10) I Pol. Bissuola, Parco Albanese 18, Mestre-
0.1	PD 'Isak Ruso', T +389 91 225 958 (ask for Dule)	22.24	Venezia, Italy T +39 41 531 3405, F +39 41 426 6152
21	* Cesu Rudens, Cesis, Latvia C	23-24	BAOC 2-Day A Classic, Boulder Creek, CA, USA 2I
	O Millers, PO Box 992, LV-4100 Cesis, Latvia		E & J Beuerman, 19839 Seagull Way, Saratoga, CA
21-22	T +371 41 23707, F +371 78 94101 Slovakia Championships, Banská Bystrica (10/9) I/R	24	95070, USA T +1 408 255 8510
21-22	J Nemec, Pieninská 19, 974 01 Banská Bystrica,	24	National Event, Alnwick, NE England (10/11) C P Smyth, 31 South View, Hazlerigg, Newcastle-upon-
	Slovakia T +42 88 774 347		Tyne, England NE13 7BS T +44 191 236 4152
21-22	Caddihoe Chase, Devon, SW England 2C		1 yno, Bigiana 11213 7 Bb 1 1 1 4 4 1 7 1 2 3 0 4 1 3 2
	R Hedley, Old Market House, Chagford, Newton		
	Abbott, Devon, England TQ13 8UB T +44 1647 433509	_	
22	* Swiss Champs., Schaffhausen I	Interno	utional Ski-O in Japan in 1998
	H Bühl, Nordstrasse 116b, CH-8200 Schaffhausen,		
	Switzerland T +41 53 25 83 31		ation has now been ternational Ski-O event held in
29	Tasmanian Championships, Royal George, Australia	issued for the pre-Winter Ol- Japan.	
	(22/8) I OAT, P.O. Box 206, Gravelly Beach 7276,	ympics in	ternational events to

ympics international events to be held in Sugadaira, 40km east of the Olympic city, Nagano.

A short distance event and a relay will be held at Sugadaira Kogen, a highland resort at the base of Neko Dake (2,207m) in the Joshinetsu Kogen National Park. This will be the first inThe dates are 28-31 January 1998; the Olympic Winter Games run from 7th to 22nd February. This event is seen as one of the big opportunities to publicise Ski-O on the way to hoped-for participation in the Winter Games 2002 in Salt Lake City.

The latest scene from the X-files?

Almost.

Suunto Arrow is an entirely new competition compass. New is also its technology...

The latest that present technology can offer the orienteer.

Arrow incorporates a unique double-bearing system combined with two magnetic bars, developed by Suunto. The reason why Arrow is extremely stable and fast-settling.

The colour, width and length of the compass needle are designed to suit the eye, making the compass extremely easy to read.

Suunto Arrow is also durable and reliable. In any conditions.

The lid of the capsule is mounted using ultrasonic welding, and the large allowance for thermal expansion guarantees that the compass does its job flawlessly, even in extreme temperatures.

Suunto Arrow — the partner that helps you attain your goals.

Or even surpass them.



The Arrow compass is manufactured using state-of-the-art precision technology. Like agate bearings and durable ultrasonic welding

SUUNTO