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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: Tyttebærvej 3, Sejs,

DK-8600 Silkeborg, Denmark.

Tel.: (45) 86 84 55 02 Fax: (45) 86 84 65 04

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NOTES FOR CONTRIBUTORS

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 - ring first to check compatibility and also send printed copy.

Letters and photographs for publication are welcomed.

Permission from the Editor should be sought prior to reproduction of articles or photographs.

Opinions expressed in Orienteering World do not necessarily represent the policy of the I.O.F.

93/4	10 July	19 June
93/5	30 September	6 September
93/6	30 November	8 November

COVER PHOTO: Flemming Jørgensen is joined by fellow team members Thomas Hjerrild, Torben Skovlyst and Chris Terkelsen as he reaches the finish arena to win the 1993 Spring Cup relay in Denmark for IFK Gøteborg

Photo: Kim Rud

Editorial

Young People and Orienteering

Clive Allen

The three editions of Orienteering World so far this year have all publicised events where in one way or another the accent has been on youth. One can imagine the thrilling experience it must have been for those youngsters from the Baltic states and beyond, to compete in the Baltic Cup described and pictured on page 9. A Resolution put to the 1992 IOF Congress called for more international youth competition, and of course every nation can make a practical contribution to promote this. But I imagine that many nations will feel that there are greater priorities at home: to enable the maximum possible number of young people to have the experience of orienteering activity and competition - feeling secure and confident, as stressed by Irina Kuranova in her article on page 8 of this issue - must be a basic development aim.

Orienteering is often labelled 'the family sport', and amongst outdoor sports it is certainly amongst the best in providing healthy activity for all the family - from grandparents to toddlers. If one looks at the age spectrum at the average Sunday orienteering competition in many countries, it can be seen that the largest numbers of competitors come in the 'parents' age classes and that most of the youngsters taking part are their sons and daughters.

No sport can thrive on family involvement alone, though, and schools, universities and youth groups are all potential sources of orienteering interest. The cost of travel to events and high entry fees are often cited as reasons why, in some countries, few groups from these sources at-

tend club-organised events. In lands where participation by young people is regarded as a high priority, however, it is seen that it is possible to overcome such problems.

The reader might like to check his or her country's standing against the list below of orienteering provision for young people, compiled from what happens in several countries. It's quite a long list! And I'm sure some readers will come up with additions to it. But even in countries where one can place a tick against most of these items, the numbers making the transition from the school O-scene to become a regular club orienteer can be quite small. To attract individual juniors, O-clubs should have a good junior social activities programme, give help with transport to events, and have a Coach with a special interest in the non-O family juniors.

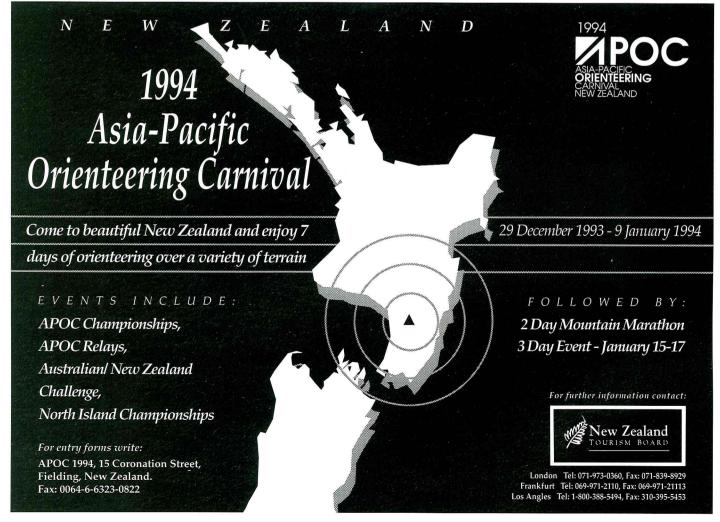
string and tagged courses for young children at most events orienteering or navigation on the school curriculum books and training materials available for teachers and leaders area schools events, leagues and championships national schools championships

Federation membership scheme for schools and youth groups publicity material and campaigns aimed towards junior groups incentive award scheme for juniors with clear attainment target schemes to encourage O-clubs to form links with local schools flourishing junior sections in O-clubs

laid-down technical and physical standards for junior courses at events

special coaching at area level for the most promising youngsters national junior elite group

O-clubs in all large universities



AROUND THE WORLD

Norway and Finland on top in Ski-O

In the final positions in the 1993 Ski-O World Cup, Norway held top three places in the men's list whilst amongst the women, Finland took five of the first eight places. Individual winners were **Vidar Benjaminsen** and **Arja Nuolioja.** The King of Norway was among the spectators at the final race at the splendid Holmenkollen setting in Oslo. Full details are in the Ski-O section on page 17.

Tasmania Appoints Full-time Development Officer

Following the success of the Veteran World Cup in Tasmania, the Tasmanian Department of Tourism, Sport and Recreation is partly funding a new post of Marketing and Development Manager for Orienteering Tasmania. The person appointed is **John Brock**, who was Event Director for the Veteran World Cup. John is a member of the IOF Development & Promotion Committee.

Devolution in Fashion

The Canadian Federation has decided to give more control to its provincial Associations by de-centralising individual membership and money-raising policy. In future each Association will pay an annual affiliation fee to COF. Britain may well follow suit; the recent BOF Annual General Meeting agreed in principle to a restructuring proposal which will give greater identity to the England, N. Ireland, Scotland and Wales Associations from the beginning of 1995.

Training Opportunities on Tenerife

The Canary Islands Orienteering Club, based on Tenerife, holds monthly competitions between October and June and has good-quality 1:15,000 maps of pine forest and upland areas available for training camps. There are cheap charter flights to Tenerife from most European countries and a wide variety of accommodation and *aprés-O* attractions available year-round. Information from COCAN, Apartado de Correos 1287, 38080 Santa Cruz de Tenerife, Spain.

Summer Training in Bulgaria

From June 1st an inclusive package of training and competition including accommodation and full board for clubs and teams is offered at budget prices at the mountain centre Karandila, 950 metres above sea level in Eastern Bulgaria, or at Primorsko on the Black Sea coast. Information from D Doytchev, 14 Dzerdjinski str. app. 6A, 8800 Sliven, Bulgaria, tel. (359) 44 86230, fax (359) 44 82284.

Trail-O Grant in Great Britain

£25,000 has been granted to BOF by the U.K.'s Foundation for Sport and the Arts to "assist with the cost of providing recreation and competitive orienteering for specified sections of the disabled community in a two year research and development programme".

Swedish Elite Back in Action

The Swedish Federation announced on 15th April that elite competition will re-start on 15th June and that Sweden will send a full team to compete in the World Championships in October. See page 5.

Elite Results Round-up

The Spring Cup in Denmark in late March, featured in *OW* 93/2, attracted a strong field of elite orienteers from many European lands. The special classic race format with a couple-start (two runners starting at the same time) and a map exchange, both by the spectator area, proved a success and was shown on Danish TV. Winners were Reeta-Mari Kolkkala, Finland and home runner Allan Mogensen.





Reeta-Mari Kolkkala & Allan Mogensen - early-season winners (Kim Rud)

Steve Hale, second in the Spring Cup, went on to win the 2-day Jan Kjellström Trophy in the U.K. at Easter. With **Yvette Hague** still recovering from a winter injury, **Heather Monro** came first in both the JK and the British Championships; in the latter, new men's champion is **Dave Peel.**

The Easter Australian 3-day winners this year were **Georgina Macken** and **Warren Key**. Australia won 12 of the 13 classes in the 1993 Australia-New Zealand challenge.

Winners of Poland's Long-distance Championships were **Barbara Baczek** and **Miroslaw Szczurek**, both of the Krakow club. The same event in the Czech Republic was won by **Libor Zridkavesely** and **Jana Cieslarova**, the latter running 16.7km at 5.46 min. per km.

Franz Neuhold, Austria

Austrian orienteering has to record a great loss, *reports Martin Fürnkranz*. On March 6th Franz Neuhold, one of Austria's most skilled workers in orienteering, was killed by a falling concrete ceiling whilst working in the house of a friend. Neuhold has primarily become well-known because of his excellent map-making and as a course planner and chief organiser of national and regional events. But he also helped develop school orienteering (although he was not a teacher but a military officer), he led his Eastern Styrian club HSV Feldbach, and last but not least he was an active orienteer with many successes in his senior age group.

Saying goodbye to our orienteering world far too early at the age of only 37, he leaves a wife and two children. On March 10 he was buried near Feldbach where the President of the Styrian Orienteering Federation made a fine speech paying tribute to the late Franz. Many more orienteers came there to guide this great man on his last journey. In our memory Franz Neuhold will always stay alive.

IOF President HEINZ TSCHUDIN has announced that this Congress period, ending with the Congress in Bulgaria in June 1994, will be his final one as President. Here, in an interview with Clive Allen, he speaks about various aspects of

The IOF's Role in the Future

You are now into what you have announced is your last Congress period as President. What are your main aims and ambitions for this period up to the 1994 Congress?

A six-year term to serve in a certain function in a federation seems to me to be an ideal time. It is not too short to change things and it is not too long to get burned out.

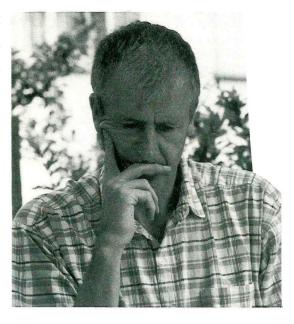
When I started my term in 1988, we had our vision of how orienteering should develop up to the year 2000. And we started with our first experiments in short distance O. By that time we could anticipate a recession to come, but we could not expect the fast collapse of the Soviet Empire, with its associated changes for the IOF.

For the remaining 18 months to come the Council has started to review the Long-term Plan. As a result of this exercise the following are our aims:

- first of all, to intervene wherever necessary to ensure fair and demanding IOF competition on a high level.
- to get Congress approval for the revised Long-term Plan one which will reflect the new requirements for more flexibility in the IOF governing body and for more concentration in our work. The major changes are planned in the working structure, where I would like to establish a project-oriented structure beside the more traditional technical committees.
- to have a solid but flexible fund-raising system in place in order to finance a selective but professional event controlling system which will ensure high-level competitions for our best athletes and to be able to provide travel support for top athletes from the lesser countries.
- in the longer term, to lay down the ground rules for a more attractive international event programme more attractive for the top athletes as well as more attractive for the media and by that measure improve the status of orienteering in the world of sport.

The ever-changing situation in Eastern Europe provides new problems and opportunities for the IOF and the member countries concerned. How do you think that the great wealth of talent and experience in these lands can best be encouraged and helped to flourish and play a full and active part in the international Oworld?

It was at the famous Ilvestade relay in Estonia in 1988 where I realised that this is just another world of orienteering with more than 15 'countries' participating; different cultures, different languages - just like the IOF.



Those talented experts and their ideas could be a great asset for the IOF. We face two problems: firstly, they have been educated in a different world with different basic rules. We have to learn first from each other and to understand each other before we can start a constructive co-operation. And then there is a financial issue.

By placing more and more IOF meetings in these countries, I hope we will be able to use this talent and expertise after a learning phase as described above.

The World Cup has given elite runners a much-improved international programme over the last few years. What do you see as the most important priority for the development of orienteering at world-class level in the future?

We have to make sure that the events we now offer at the IOF level are professionally planned, controlled and executed and that they are placed in an environment which offers attractions to the media and therefore to potential sponsors. The task is almost impossible if you also take into consideration the need to minimise the costs! But anyhow we will try!

Referring to Petter Thoresen's article in OW93/2 - who, by the way, expresses basically what we would all like to work for - I must point out that there is, I believe, a fundamental problem in televising our top elite class while they are running in very tough terrain. Without being an orienteer you cannot understand why he or she is taking the particular decisions you can see on the screen.

What do you believe a new or small orienteering nation should place as its main priorities for growth and development, and what do you see as the IOF's role in supporting them?

The first priority should be to broaden the basic experience of the sport. A new small federation should have at least 2, preferably more great 'believers' and promoters of orienteering in the universities, in schools, in the boy scouts or other social groups, and maybe in the military. The IOF's role could be to help them in the area of mapping as well as in how to organise small events by giving them some practical advice. These are the basics. More may be dependent on individual links to other federations and/or individuals.

The IOF should also spend some time in analysing the basic stimulus

for our famous sport in a new country, especially in Latin America, in Asia and in Africa. It couldbe that the elite side of the sport is not an ambition there.

A lot of people think orienteering damages the environment. New potential problems have arisen in some countries through the growth of mountain bike-O, organised by bike enthusiasts. Do you see any role for the IOF in setting down and publicising environmental guidance for our sport and its many variations?

This topic has been on our agenda for years and it is difficult to give a good answer. Basically we must distinguish between countries with a guaranteed open access to the forests within certain limits, and countries with a strictly private property outlook.

But first of all, several scientific studies have proved that our sport does not damage the environment! A more serious problem may be the vehicle traffic to our events and maybe also mountain bike-O. I think mountain bike-O should be restricted to paths and tracks, as with ski-O. In more general terms, I think the role of the IOF can only be as a collecting point to exchange information and to offer a platform to report about experiences in this field-Orienteering World is very well placed to do this! And basically the environmental issue is a topic for the national federations.

Are there aspects of the way our sport is run which annoy you? If so, why, and how would you change things?

Not really, although I must admit that orienteers sometimes are very special individuals - but we all practise a demanding individual sport-discipline. We love our wonderful sport in the loneliness of a big forest and demanding terrain - and to do this, a special character is required!

Sweden Abandons Elite Restrictions

- but the deaths still puzzle the medics

The Swedish Orienteering Federation (SOFT) has decided to abandon the restrictions on high intensity training for the country's 3,000 elite runners. The main reason is that the majority of these elite runners have been shown to be perfectly well and healthy in the medical test programme started in December following the unexpected deaths among elite runners. Although many of the questions concerning the deaths remain unanswered, Sweden has now decidedly definitely to take part in the World Championships in the U.S.A. this year.

In November last year the country's 300 top elite runners were recommended to refrain from high intensity training and competing, and in January this restriction was extended to include the whole group of ranked runners, some 3,000 orienteers. The reason for the extension was that the initial findings of the medical investigations indicated an unexpectedly high frequency of abnormal heart changes among the top elite runners.

An extensive medical investigation programme, described in the March issue of *Orienteering World*, started in December 1992. So far about 160 runners have gone through the full-length examinations and about 1,400 have taken a blood test. The results of the examinations have been analysed and have formed the basis of the recent decision taken by SOFT.

Go-ahead from Doctors

"Results of the medical investigations show that most of the carefully tested elite runners are perfectly well and healthy", says Åke Jacobson, Chairman of SOFT. "Since these orienteers now have the go-ahead by doctors, we consider the risks relatively small, and they can gradually start training again. But as before, they must pay attention to infections and avoid training when they are not well."

"Some elite orienteers, however, show changes that may not be normal, and a few show abnormal changes in the heart muscle", continues Åke Jacobson. "These orienteers cannot take up normal training immediately but will be given individual recommendations by the doctors responsible, as to the appropriate level of training."

Symptoms Occur

Another important result of the medical investigations is the fact that there have indeed been symptoms among those now showing abnormal heart changes. Also the investigations



Soon back in action - Marita Skogum and Jörgen Mårtensson

done on the recent deaths show that symptoms have preceded the deaths, symptoms which most likely have been suppressed, consciously or sub-consciously, by the runner. The conclusion that can be drawn is therefore that symptoms do occur, and that the previous view of an infectious disease with few, if any, symptoms is no longer valid.

"This conclusion stresses the fact that it is extremely important for an elite orienteer never to train hard when he or she has an ongoing infection", says Christer Johansson, the Swedish team doctor. "The combination of an established infection and high intensity training can lead to serious heart damage. The symptoms involved range on a scale from 'normal' flu symptoms to dizziness and fainting when running, and it is difficult to give a single piece of advice. The most important thing is to listen to your own body and react immediately when the signals are not normal".

SOFT feels the restriction period was necessary for the medical experts to get more time for closer investigations, without elite orienteers taking any risks in the meantime. Many elite runners have had time to recover from infections and, perhaps most important of all, the orienteers and the medical service have all become very much aware of the risks of combining hard training with on-going infections.

Some questions are still not answered, and the two medical programmes will continue and run up to the end of June. The recommendation from January for the elite not to compete will end on the 15th June if nothing happens in the meantime. After this date there will be elite classes at the Swedish events again. A new assessment will be made by

the 15th June.

Preparations Started



SOFT has also decided that the national team will compete at the World Championships in the U.S.A. in October, and preparations have already started.



New Elite Competition in Australia

David Hogg, National Promotion and Development Officer for the Orienteering Federation of Australia, describes an exciting new development which is raising the standard of elite competition and has considerable sponsorship potential.

The Orienteering Federation of Australia has established a new competition for its elite orienteers, known as the Australian O-League. As well as increasing opportunities for high-standard team and individual competitions between Australia's top orienteers, it is intended to establish a national competition which will attract media interest and sponsorship.

New Elite Clubs

The O-League is based around four elite clubs, which are loosely

geographically based, with elite orienteers allocated among the four clubs to achieve a fairly uniform spread of ability.

Ten Events

The 1993 O-League competition consists of four series of events held between March and June, including classic, short-course and relay events. The main O-League competition is a team competition covering all ten events. There are also individual men's and women's competitions, with the best five re-

sults from the eight individual events determining the winners. These results are determined on a points basis similar to the World Cup.

Unbeatable Lead

With six of the eight individual events completed, Warren Key has an unbeatable lead in the men's competition, while current Australian champion Georgina Macken leads the women's.

The club competition is currently close with two clubs, the Transcontinental Tigersnakes (based in Victoria and Western Australia) on 40 points and the Southern Lights (Victoria and South Australia) on 38 points. Further behind are the East Coast Coolers (New South Wales, Queens-

land and Tasmania) on 28 points and the Capital Cosmonauts (Australian Capital Territory) on 24 points.

The three remaining O-League events will be held in conjunction with the 1993 World Championships team selection trials on 12-14 June.

Experimental Year

This year is an experimental year for the O-League with a view to getting the elite competition established, and its format is likely to evolve with further experience. The concept has been received enthusiastically by the participants and, as interest in the competition grows, it is aimed to attract sponsors both for the O-League as a whole and for the individual clubs.



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Learning to orienteer must be fun and without fear, says Moscow sports teacher and coach IRINA KURANOVA. *Photos - Kim Rud*

Teaching Children

If you want to teach orienteering to children, you should remember that as youngsters they thrive on good company for all their activities. They will be more successful if they have good partners for training and competition, because children always like to compete (and win!) in their small friendship group, be it in an exercise, a small event or a national championship. Having good sports friends of the same age is one of the key pathways to success in sport.



No fear with a good start!

Make it fun!

Another important aspect is to provide interesting and sometimes funny training activities. Training should not start with a serious activity but with some kind of novel event or a play-exercise. Then, the children don't see it as hard work, and will tackle the whole training session more intensively and thoughtfully, whatever the type of exercise.

Fears

The teacher needs to remember that 10-12 year old children and younger have many special kinds

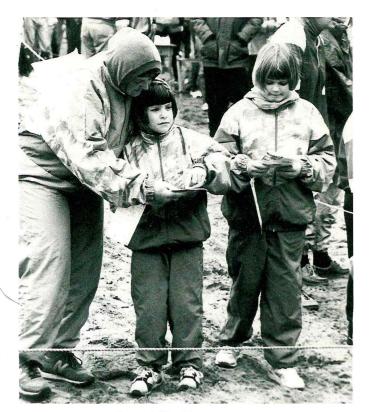
of fear, such as fear of a dark room or tales of danger read in books, and also a simple one the fear of a big forest. So that your children forget about fear, it is essential to start in a well-known forest or park and explain in great detail what the child will see and do on the course.

Very often, children who are afraid fail to recognise some object from the map when seen in the terrain. The most misunderstood element is the size of an object. It is useless information to young children to say that 1cm. on the map is 150m or 100m on the terrain; much better to say that 1cm. on the map is the same as a length of road at the stadium and 1mm. is the same as the length of the classroom. In this way you are giving the beginner real, useful information.

How to teach about maps

A very good way of teaching what is what on the map is to have a mapping lesson in the classroom where the children try to draw a part of a well-known park, square or forest. In this exercise the main problem is to decide what to put on the map and what not to put on. Girls especially like this kind of





Young children like to go in pairs

exercise, and enjoy it if the teacher runs a competition for the best drawing.

Another good way to learn about maps is to 'make' the terrain on the table, using pots as marshes, a big book as a field, a small book as a house, the border of the table as a big road or cliff, etc. Straw, string, pebbles and so on can also be used. If a child cannot understand where he has made mistakes with his map, it usually becomes apparent if he is asked to point out the way from one place to another, and to compare his description with what he actually does.

The legend

A more advanced exercise which also tests knowledge of the legend on an O-map is for the teacher to describe the terrain, saying, for instance, that in the middle of the forest is an uncrossable marsh, a stream goes South from the marsh, to the East of the marsh there is a 15m. high hill with a small depression on the Northern slope, etc. The pupils draw the map on a plain sheet of paper. When finished, the teacher can check each drawing for mistakes and give a prize

to the person with the fewest mistakes. A similar exercise can be used for control descriptions.

Following the way

A further exercise of this kind goes as follows: everyone in the group has the same map with the same start-point shown. The teacher tells a story about his route from the start to the first, second, third control and so on. The pupils need to listen attentively and try to follow the route on their own maps. When the teacher in his story says "here, on this object, is a control", the children mark where they think it is on the map. After a few controls, the teacher checks the maps and assesses the extent of any mistakes. It is very important in this exercise, between every control, to give information about some unique object where the children can say exactly "I am here", so that a mistake is not carried through from leg to leg.

These are exercises you can use at home or in the classroom when the weather is bad or the forest is far away, and in combination with physical training in a sports hall or stadium.

Baltic Meeting 1993

text & photos by Christer Svensson

For the third year in succession, the Kristianstad (Sweden) club Pan/Önos arranged an international event for young people at Easter. This year there was a special invitation for the Baltic States' best 14-year-olds. Runners from Russia, Poland, Germany, Denmark and Finland were also invited to compete with some of the best Swedish youngsters. Unfortunately a group from St. Petersburg were unable to get visas for the trip, for reasons not known.

The idea of having a special international race for 14-yearolds came from Bo Ullman, Vice Chairman of the Pan/Önos club. He believed that this arrangement would give the media and especially TV the opportunity to show a different picture of orienteering from that normally portrayed.

An exciting competition took place amidst a friendly multinational meeting of youth including 150 from Germany, many of these fromDresden.



A study in concentration: Lolita Kauke, Latvia

RESULTS H14, 4.2km.

111 .,		
1 Janis Sauka	Latvia	25-30
2 Ott Rakkaselg	Estonia	26-35
3 Michal Parzewski	Poland	26-46
4 Björn Nilsson	Sweden	27-12
D14, 3.7km.		
1 Malgorzata Stankiewicz	Poland	23-11
2 Malin Andersson	Sweden	24-15
3 Hanna Andersson	Sweden	24-25
4 Kairi Luigelaht	Estonia	25-56





Winners: Janis Sauka, Estonia (H14) and Malgorzata Stankiewicz, Poland (D14)

PLEASE CAN WE HAVE OUR BELL BACK?

Way back in the early seventies, the British Orienteering Federation was the proud possessor of a special bell which was donated by the Hon. President of the Federation 1971-72, the worldfamous navigator Sir Francis Chichester. The bell was used to signal the start at the British Championships in 1974 and people think it was at the World Championships in Scotland in 1976, but it has not been seen since.

The present BOF Chairman, David Thomas, is very keen to see the bell back in BOF hands - perhaps, indeed, back on British soil, because rumour has it that it went abroad in 1976 as a souvenir.

With the passage of time, its return with some kind of celebration seems more appropriate than a 'back-door' method, but in the first instance anyone with knowledge or ideas as to its whereabouts is invited to contact David Thomas, tel. (44) 276 473298.

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is the orienteering magazine from Great Britain but is read all round the world. Like *Orienteering World* it is published 6 times a year.

In 1993/no 3 (June) you can read about how our world champ stars got on at Britain's two major spring events (the National championships and the Jan Kjellström Trophy), the latest in our "by juniors for juniors" section Route Choice #5 (write for a pen friend!), anda preview of the new mountain orienteering season in Mountain Marathon Review. Also many other articles on all aspects of orienteering.

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World Championships Short Distance Maps to be 1:10,000

At its meeting near London in mid-April, Council agreed to a proposal by the International Controller of this year's World Championships, Geir Tveit, that the map scale 1:10,000 be used for the short-distance events.

The reason for the change is to give increased legibility. Council discussed the matter at some length, since according to World Championships Rules, 24 months notice must be given of any deviation from the norm of 1:15,000/5m contour interval. It was finally decided that the quality of the event, rather than formal requirements, should take priority.

Belorussia joins IOF Family

At the same Council meeting, the application of Belorussia (BLR) for full membership of the IOF was approved, bringing the IOF family up to 42 in number. President of the Federation is Victor Drobenkov, and the address is 8/2 Kirov Str., Minsk 220600.

Veteran World Cup goes to Spain and U.S.A.

Council decided that the Veteran World Cup in 1996 will be held in Murcia, Spain and in 1997 in Minnesota, U.S.A.

For Spain it will be the nation's first IOF event, and the Murcia area near the South-East coast is rich in good orienteering terrain as well as being the base for one of Spain's strongest Oclubs. For the United States the event will be a good follow-up in publicity terms after this year's World Championships; also it should not be accompanied by any of the financial worries which have plagued the World Championships organisers.

1997 Junior World Championships

Belgium has been awarded the Junior World Championships in 1997. The program for the JWC for the years ahead is therefore:

1994 - Poland 1995 - Denmark 1996 - Romania

1997 - Belgium

	RETARIAT	IOF	MEMB	ER NATIONS	
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Telephone:	+46 8 35 34 55	Australia	AUS	Japan	JPN
Fax: +46	8 35 71 68	Austria	AUT	Korea	KOR
	ral: Lennart Levin	Belgium	BEL	Latvia	LAT
Staff: Berit Pehrs	on, Karin Tibbelin	Belorussia	BLR	Lithuania	LTU
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1774-74	Development & Promotion	China	CHN	New Zealand	NZL
President	(DPC)	Croatia	CRO	Norway	NOR
Heinz Tschudin, Switzerland	Mapping (MC)	Cuba	CUB	Poland	POL
	Ski-Orienteering	Czech Republic	TCH	Portugal	PO
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Hugh Cameron, Australia	High-Tech Group Trail-O Group	Estonia	EST	Russia	RUS
Susan Harvey, Great Britain		Finland	FIN	Slovakia	SVK
Åke Jacobson, Sweden	World Cup Group (WCG)	France	FRA	Slovenia	SLO
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John Pearson, Belgium Per Stensby, USA		Hungary	HUN	Switzerland	SUI
	TC: Geir Tveit, Norway	Ireland	IRL	Ukraine	UKR
Edmond Szechenyi, France	Trail-O: Anne Braggins, Great Britain	Israel	ISR	United States	USA
Einar Undstad, Norway	WCG: Anne Berit Eid, Norway	Italy	IΤΑ	Yugoslavia	YUG



IOF NEWS IOF NEWS IOF NEWS



Belgian Federation Moves House

The address of the Belgian Federation has changed to:

Association Belge des Sports d'Orientation, c/o J. Herremans, Meerhoef 12, B-3971 Heppen, Belgium.

Telephone (32) 11 34 3301, fax (32) 11 43 9353.

LIT becomes LTU

The standard abbreviations for IOF member nations are given on the previous page; these are used by all sports and are decided by the International Olympic Committee. Recently it was decided, to avoid confusion, to change the abbreviation used for Lithuania to LTU.

Mountain Bike-O comes under **Scrutiny**

The IOF Development and Promotion Committee has drafted a questionnaire about mountain bike orienteering which will shortly be distributed to federations. This stems from concerns expressed about possible land access and environmental problems arising from unorganised off-path mountain bike-O, but also from comments that mountain-biking has a highprofile image and there could be benefits for orienteering as a whole.

The survey will also cover other types of orienteering (apart from foot and ski-O). In some lands these activities are covered by the national O-federation, whilst in others there are separate organisations or none at all.

IOF Council meets in the U.K.

The Council met over the weekend 16-18 April at Bisham Abbey, a Sports Council Centre not far from London, and were hosted by Richard Speirs, Vice Chairman of the British Orienteering Federation.

Long-Term Planning

Key decisions are given on page 10, but in addition much important on-going work was done towards revision of the IOF's Long-term Plan, especially in the areas of economics, structure, development, planning procedures and the future of IOF events.

The new Long-Term Plan will follow the style of a 'mission statement' with certain priorities clearly indicated and will state the responsibilities of the IOF. Some of the priorities are outlined by Heinz Tschudin in his interview on page 4.

Applications to Organise Major IOF Events

Council also debated the requirements to be met by organisers of future IOF events. A manual is to be produced setting out these requirements, which will include a 'price tag' based on the transfer of partial or full sponsorship rights to the event. The application procedure is to be standardised, with Council's annual spring meeting being the one where organisers of IOF events four or five years ahead will be decided.

Price Tags

The price tags for the JWC in Romania in 1996 and the Ski-O World Cup 1995 were set at zero, and for the Veteran World Cups in Scotland (1994) and Russia (1995) at SEK 30,- per participant.

Presidents' Conference

The next conference for the Presidents of all member federations will be held during World Championships week in October.

The two themes proposed for the conference are:

the IOF Structure future IOF events

An invitation with brief notes on the two themes will be distributed shortly. After a general introduction the two themes will be discussed in three language groups - English, German and Russian. Council agreed that on this occasion a federation could be represented by a different person for each of the two theme sessions.

Council's next meeting will be held in conjunction with the World Championships on the afternoons of 9-11 October.



Lennart Levin:

ARISF Executive Member

The IOF is a member of the Association of Recognised Olympic International Sports Federations (ARISF). These are sports which carry Olympic recognition but which currently are not part of the present summer or winter Olympic Games.

IOF Secretary General Lennart Levin was elected a member of the ARISF Executive at the Association's recent meeting in Atlanta, USA.



IOF NEWS IOF NEWS



World Championships Classic race: **Allocation of Places**

The second stage of application of the new rules for the allocation of places in the Classic Distance race at the forthcoming World Championships in the USA has now taken place, and details were circulated to federations early in May. Places have been allocated on the basis of responses received from member federations indicating the maximum number of places they wish to take up, and the ranking procedure summarised in the March issue of Orienteering World. This procedure defines the order of allocation of the spare places available from nations not competing or not taking up their full entitlement.

The official allocation list is printed alongside. It is subject to changes arising from, for example, a nation deciding at a later stage to take up fewer places than originally asked for.

NOTES TO THE ALLOCATION LIST:

* Estonia and Poland were entitled to 3 in the women's race, but want only 2. These places, and one place arising from not enough ranked competing nations have raised Switzerland, Germany and Great Britain to 4 places.

Estonia was entitled to 4 in the men's race, but wants only 3. That place has been allocated to Lithuania since neither Belgium nor Slovakia want more than 1 runner.

1994 World Cup News

The World Cup Group has decided that from 1994 each member nation will be allowed to enter 6 male and 6 female runners at each event. At the relay events, two teams for each sex can be entered. Whilst appreciating that the burden on many nations' finances may be heavy, it is nevertheless hoped that the broadened opportunity for nations to give their elite runners experience in highquality international events will get a good response, says Anne Berit Eid, Chairman of the World Cup Group.

In short-distance events, large participation levels may imply several semi-finals. During the first and second period of the World Cup, the classic distance events will be organised in 'A' and 'B' heats; in Germany, a qualification race will be organised. Detailed rules are in preparation and will be considered by Council in October.

At the World Championships this year an open meeting will be held on the theme 'the World Cup format in the future', and at that meeting more information on the 1994 World Cup will be given.

Negotiations with a potential sponsor of the 1994 World Cup are in progress, and it is hoped to announce details in late May.



Anne Berit Eid, World Cup Group Chairman

NATION WO	OMEN	MEN
Australia	3	2
Austria	2	3
Belgium	1	1
Belorussia	1	1
Bulgaria	3	3
Canada	2	2
Croatia	2	1
Czech Republic	4	4
Denmark	4	4
Estonia	2*	3#
Finland	4	
France	4	2
Germany	4	3
Great Britain	4	3
Hungary	4	3
Ireland	2	2
Israel	-	3 2 3 3 3 2 1 2 2 3 2
Italy	-	2
Japan	2	2
Latvia	2 3 2	3
Lithuania	2	2
Netherlands	_	1
New Zealand	4	3
Norway	4	4
Poland	2*	2
Portugal	-	1
Russia	2	4
Slovakia	1	1
Slovenia	1	2
South Africa	1	1
Spain	1	1
Sweden	4	4
Switzerland	4	4
Ukraine	2	1
United States of America	. 4	4

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	GENERAL ORIENTEERING LITERATURE			SEK
6117 6118 6102 6103 6104 6105 6107 6108 6109	IOF Calendar of International Orienteering Events 1993-1995 Orienteering for the Young (T Renfrew, C McNeill, P Palmer) O-International (B Renz) Orienteering - Take it to the World (P Sandberg) Report on 1st International Symposium on Land Access Orienteering on Permanent Courses The IOF Towards the Year 2000 - the IOF Long-term Plan IOF 25, Anniversary Issue IOF Report, back issues: 1975; 1976; 1977/1,2; 1978; 1979;	1992 1993 1984 1987 1987 1988 1989 1986	E E, F, G E E, G E E, G E, G	30,- 30,- 25,- 55,- 50,- 17,- 20,- 10,-
6116 6112 6114 6115	1980/1,2; 1981/1,2; 1982; 1983; 1984; 1985 Biennial Report / Zweijahresbericht (Congress Period 1990 -1991) Simple Maps for Orienteering Media Coverage and Orienteering (C Aichholzer) Orienteering Bibliography (IOF Scientific Group)	1992 1990 1991 1991	E, G E, G E E, G E/G	10,- 30,- 20,- 20,- 25,-
	IOF MAGAZINES			
5100 5200	Orienteering World (formerly IOF Bulletin), ISSN 1015-4965, back issues: 1987/3-4, 1988/1-4, 1989/1-4, 1990/1-4, 1991/1-4, 1992/1-2: 1992 no. 3/4 (combined issue): one volume Scientific Journal of Orienteering, ISSN 1012-0602, back issues:		E, G E, G	20,- 30,- 70,-
	1986 - 1990 inclusive: 2 issues per year. Per single issue: both issues: Vol. 7 1991/1-2 (combined issue): Vol. 8 1992/1-2, single issue: 40,-; both issues: Subscription fee, vol. 1993/1-2:		E E E	35,- 50,- 60,- 70,- 70,-
	STATUTES, RULES etc.			
6301 6302 6317 6303 6304 6305	IOF Statutes International Specifications for Orienteering Maps Principles for Course Planning Control Descriptions Organisation of Small Orienteering Events Rules for International Orienteering Events - under revision	1991 1990 1993 1990 1983	E E, G E E E	25,- 25,- 20,- 25,- 12,-
6306 6307 6308 6309 6310 6312 6313 6314 6315 6316	Rules for the World Orienteering Championships (WOC) Rules for the Junior World Orienteering Championships (JWOC) Rules for the World Cup in Orienteering Guidelines for the World Cup in Orienteering Rules for the Veteran World Cup in Orienteering Rules for the World Championships in Ski-orienteering Rules for the World Cup in Ski-orienteering Guidelines for the World Cup in Ski-orienteering Guidelines for Organizers of Major International Ski-O Events Rules for the Conduct of Doping Tests	1991 1991 1991 1991 1991 1990 1991 1991	E E E E, G E E E E	25,- 25,- 10,- 17,- 20,- 25,- 25,- 25,- 25,- 20,-
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6403 6404 6405 6406	1986 World Cup Report 1988 World Cup Report 1990 World Cup Report The Outreach Project: Development of Orienteering at Club Level	1987 1989 1991	E E E	20,- 20,- 20,-
6407 6408	in the USA; two travellers report (H Göthberg, G Hjort) Outreach in 1988 in the USA (E Eriksson) Li Jiang Cup - an Orienteering Adventure in China, December 1987	1986 1988	E E	20,- 20,-
6409 6410	(B Djuvfeldt, P Sandberg) Malaysian Orienteering (T Svensson) Development Visit to Philippines, 1988 (P Higgins)	1988 1988 1989	E E E	20,- 20,- 20,-

The IOF Calendar Goes Electronic

GEIR TVEIT, Chairman of IOF's Technical Committee, describes some developments on the fixtures front.

Are there better ways of meeting the needs of the world's orienteers for event information than the existing IOF Calendar? IOF's Technical Committee and High Tech Group are of the strong opinion that there are.

The discussions so far have concluded that the official IOF Calendar should contain only a few top-class events, and that the information on all others should be made available through a common calendar data base.

O-Tourists

The present IOF Calendar contains major elite events and the biggest mass events mixed in with some rather small events. The member federations view

the criteria for international events very differently - and the IOF does not have the right to over-rule the federations' decisions, even if it wished to.

The result for the common Calendar user is that she cannot determine from the IOF Calendar whether an event is a major one or not. For most Calendar users that may not cause any problem: we believe that O-tourists are the most frequent users, and to them the most important things to know are the existence of an event with map, courses and timing at the desired place and time.

Within this scope the existing IOF Calendar is of some help, but far from good enough. The ideal provision for the common

orienteer looking for events during holidays or business travels is a complete list of all the events in the orienteering world. Such a list should be sorted geographically as well as by date, and it should be available through electronic media as well as on paper.

Test Run

Hans Steinegger (SUI) has developed a program which we hope will make this possible in the not too distant future. Many federations have developed their own electronic systems to maintain their national event calendars; the IOF system will try to meet the needs of the international user. Of course we need some knowledge of what these needs are, and then feedback from users to help refine the system.

As a first test, the program for entering data will be tried out using next year's IOF Calendar. We intend to make that calendar available on diskette in addition to the traditional print. Programs for viewing and for selected print-outs are therefore also being developed.

Calendar Conference

If our plans progress smoothly, the programs will be ready to be shown during the World Championships week in the U.S.A. this autumn. We are hoping for many useful comments then. The electronic calendar will of course also be the main topic for discussion at the Calendar Conference during that same week.

In addition we want to discuss the nature of major events in the future. How many events should a future official IOF Calendar contain? How should we control these events, to ensure that they meet the standards required? In what way should we use these 'exclusive' events for instance how should they provide for the world elite?

REVIEW

Training Diary on Computer

Specially designed for orienteers, the Training Diary has been created in Finland and is currently available only in Finnish and Danish; an English version will be available at the World Championships in October. It runs on any IBM-compatible PC with MS-DOS 3.2 or later, and is available on 3.5" or 5.25" diskette.

The program enables the user to record details of all training activities and compare them with a pre-determined year-plan. Up to 8 levels of training intensity can be defined, with an intensity factor pre-set by the user for each level. Each daily record comprises time span, intensity level, training type (up to 15 can be defined), distance covered (where relevant) and comments for up to 2 sessions per day. The

screen display shows cumulative totals of time for each level, and overall, in the week.

A wide range of graphs and statistical charts can be output to screen, printer or disk. Graphs can be produced in 5 different formats and these and the charts can show patterns of training and the variation between 'planned' and 'actual' over user-defined time periods, covering both intensity and type of training. Sections of the program provide also for recording 'test runs' and competition performances.

An additional facility is a user-set 'work index' based on a combination of the length and the intensity of a training session. A threshold can be set, such that a session or a week's training is labelled 'hard' if the threshold is exceeded. A 'recovery index' can also be set, enabling data on recovery times after different levels of training to be recorded and analysed.

Flexibility is clearly high in this programmer's priorities: the program is easily adapted to each user's individual needs. Further information from Eino Havas in Finland, tel. (358) 41 841 088 or Kim Rud in Denmark, tel. (45) 75 51 82 66.

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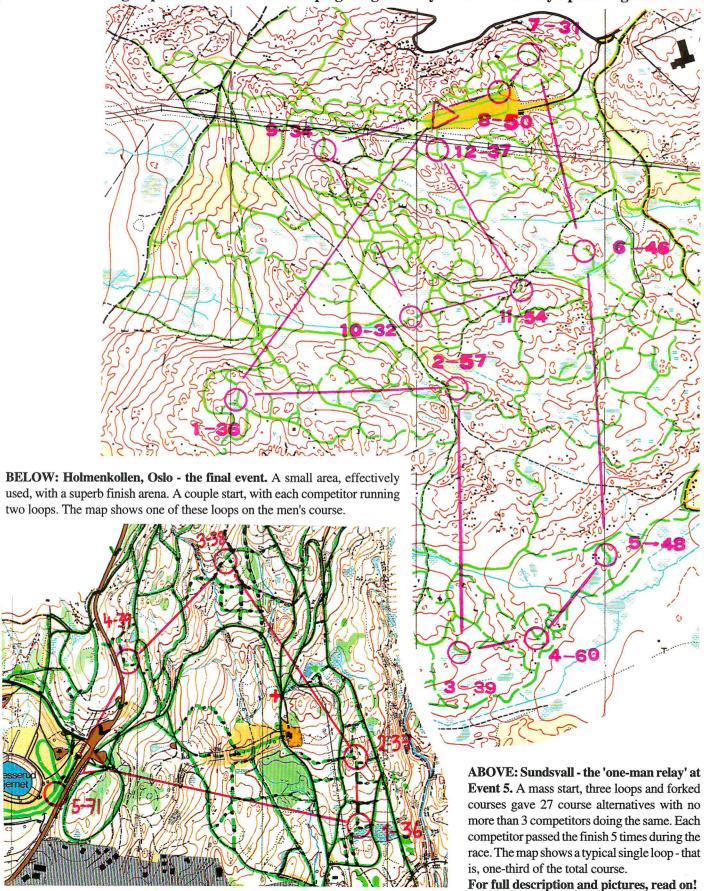
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"Tomorrow's Form of Ski-O"

The Ski-O World Cup events in Sweden and Norway in March this year were used to test out some novel forms of competition with a mass start or a couple start. With competitors passing the finish more than once during the race, there was plenty of excitement for spectators and the media to view. "A great success" was the general view - and a strong step forward in Ski-O's campaign to gain entry to the Winter Olympics Programme.

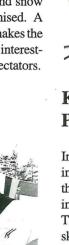


In the second half of the World Cup in Ski-O (events nos. 5-8) several new ideas were tested, especially with regard to start methods, course setting and the use of small competition areas. TORD NILSSON reports on the novel formats employed in Sweden and Norway.

Ski-O Tries Out New Ideas

The aim was to find good new practises in order to make ski-O more attractive to all those involved, that is competitors, organisers, spectators, the media and sponsors - and at the same time not compromise the true nature of ski-O too much. The experiments were successful, in spite of some of the small mistakes which are almost inevitable when something new is being tested for the very first time.

A couple-start (pairs starting together) was introduced in event 6, a short-distance event partly in the same area as event 5; the same start and finish were used. Competitors ran 2 courses, A and B, and changed map after one loop. The overall start period was quite short and so the influence of weather and snow conditions was minimised. A short start period also makes the competitions far more interesting and exciting for spectators.



World Champion Annika Zell (SWE, right) congratulates Arja Nuolioja on a double victory in Sundsvall

One-man Relay

In event 5, with long-distance courses in Sundsvall, Sweden, a mass start with forked courses ('one-man relay') was introduced into ski-O. The competitors had to run three equivalent loops with repeated return to the start and finish area. 27(!) different course alternatives made following more or less impossible. This event was a great breakthrough for the start method and course setting used. The competitors could be seen at the start and finish area six times during the race! A Norwegian newspaper described the event as "tomorrow's form of ski-O", and the course planner said after the competition, "this was the fairest ski-O event ever: everyone had exactly the same conditions throughout the whole race".

Event 7, in Os, Norway, was a long distance event, and as with events 5 and 6 favoured by excellent weather and snow conditions. A couple start was used in the men's class; they ran 3 loops, of which loops 1 and 2 were forked and were the same length (9 km) and the last short loop, the same for both men and women, was 5 km in length. The women's class had an individual start with a first loop of 7 km.

Central Services

A refreshment and equipment service was provided in the start and finish area, and all runners were given intermediate times and (as far as possible) their placings as the race progressed. This extra pressure is something we will have to accept and live with!



Mass Start in World Cup event 5, Sundsvall Photos - Per Nylander

King of Norway Present

In the final event, ski-O was included in the programme of the Holmenkollen Ski Festival in Oslo for the first time ever. The competition centre was the ski stadium of Holmenkollen, and competitors ran a short-distance event in two loops in the very hilly area. Map and loop change was in the event centre, and amongst the spectators we were happy and proud to see King Harald of Norway.

A couple start was used here too, but with an extra 'spice': the 16 ranked highest in the World Cup started as the last 8 couples, with nos. 1 and 2 in the list starting last, nos. 3 and 4 two minutes earlier, and so on. The

remaining competitors were placed in six groups and drawn according to the regular World Cup Rules.

Small Area

The competition area was less than 1.5 sq. km., but from the map and from the result list it is clear to see that it is possible to set decisive courses even in such a small area and in such difficult terrain (and with a thinner layer of snow than expected). It was shown that ski-O with a couplestart can also be exciting for competitors, spectators and the media; with a winning time of 28 minutes, 6 competitors were less than one minute behind the winner! However some competitors said that they had expected more difficult courses.



Medallists in Sundsvall: Mervi Anttila, Arja Nuolioja & Riitta Karjalainen

The 1993 World Cup in Ski-O

Double World Champion Vidar Benjaminsen finished with a 14-point lead over fellow-countryman Lars Lystad, winning two of the eight races. Arja Nuolioja came through ahead of Riitta Karjalainen to finish eight points in front, winning four races in all including three of the last four.

The highest position achieved by a non-Scandinavian was fifth place by **Pepa Milusheva**, **Bulgaria**.

This year's World Cup was marked by the absence of the Swedish stars for all but the first two races resulting from the decision of the Swedish Federation to stop all elite training and competition.

LEADING FINAL SCORES

TELON ADDRESS

IVIEIN			WOMEN			
	1 Vidar Benjaminser	n NOR 187	1 Arja Nuolioja	FIN 197		
	2 Lars Lystad	NOR 173	2 Riitta Karjalainen	FIN 189		
	3 Harald Svergia	NOR 168	3 Hilde G Pedersen	NOR 184		
	4 Anssi Juutilainen	FIN 162	4 Sanna Savolainen	FIN 176		

WINNERS OF THE FINAL 4 RACES

RACE 5, SWE	Lars Lystad	Arja Nuolioja
RACE 6, SWE	Harald Svergia	Arja Nuolioja
RACE 7, NOR	Nicolo Corradini	Hilde G Pedersen
RACE 8, NOR	Anssi Juutilainen	Arja Nuolioja

There are several reasons for using small areas (often 2-3 sq. km. is enough) when setting courses for ski-O:

- the total number of track km is reduced (instead, denser track system);
- fewer land access problems (fewer landowners and hunters have to be consulted):
- in continental countries, e.g. middle Europe, difficult to find larger areas, and the small areas are sometimes the only ones accessible both for summer-O and ski-O;
- -easier for organisers to prepare the track system, especially at times of heavy snowfall;
- services such as radio transmission, refreshments and equipment are simplified;
- useful small areas can be found close to cities, towns and so on. Easy for the media, sponsors and spectators to reach the competition centre.

The IOF Ski-O Committee, in co-operation with organisers and representatives of the competitors and team leaders, will now analyse all events in the World Cup 1992-93 in order to find out what was good, what can be done better and so on. The Ski-O Committee welcomes comments and ideas of any kind also from interested readers of OW, no matter if you are a representative of a national team or an individual. Our objective is to develop ski-O into a top international sport, attractive not only to competitors and organisers but also to the others we want to be involved, i.e. media, sponsors and spectators.

Letters to the Editor

Sprint-O and the Media

I warmed to your Editorial in the March issue of OW. I have always believed that Sprint-O offered the best media possibilities for our sport, and in 1990 the name SPRINT-O was registered for Copyright by the British Orienteering Federation. Roy Mason (at the time BOF's General Secretary) and I made some efforts to get TV interested in it as an exciting watchable contest in which first past the post was the winner and to which the average viewer could easily relate from his armchair.

Roy and I found a TV production company which was interested, and in the negotiations which followed a demonstration day it was obvious that the Producer wanted elite competition only for men and women; they weren't interested in veteran contests or Sprint-Omerged with other competitions. We eventually decided on a series of regional contests followed by a National Final. There would be heats and a final on each occasion, with a junior competition beforehand if resources allowed it. The figure-of-eight format would be used, with 4-6 cameras and map graphics on the screen showing route choices and progress.

I really thought the idea would be taken up, but unfortunately the recession came along and it's still on 'hold', although some British orienteers are keen to have another go. The idea of an international contest might be just the thing to get the media interested again. I really think the IOF should follow this up as it could be a tremendous launchpad for orienteering in all sorts of respects - including Olympic acceptance.

Peter Palmer

Stafford, England

Money Prizes

I wonder if there is anyone else who, like me, regrets the decision of the IOF Council to remove the rule that forbad the giving of money prizes.

I foresee a number of possible problems.

To whom are these payments to be made? Is it just to be the elite classes, and if so why not winners of other classes? Where is this money to come from-surely not the competitors?

If payments are to be made, and payments they are, for the effort involved in winning the competition, what about the effort involved in putting it on? Are we to pay the planners and controllers and the helpers on the day? At present, certainly in the U.K., they contribute their efforts voluntarily in the expectation that next week someone else will share the work of running a competition and they will take part.

If money payments are to be made, how much will they be? Could it be that the amount will be such that the temptation will come to enhance performance by using drugs? I know of no suggestion yet of any drug-taking by orienteers, but who knows what might happen if money prizes are offered for a winning performance?

Think Again!

I would ask the IOF Council to think again. I find their reasoning, that they cannot enforce the rule, weak.

Most countries wish to take part in the various World competitions. All it would require is a declaration on the entry form, for say the World Championships, to the effect that all the participants from that country have not been awarded a money prize. If the sanction, when and

continued at foot of page 18

Contracting for aerial photography flights for photogrammetry

by Søren A Nielsen, Mapping Consultant for the Danish Orienteering Federation

Aerial photography is a relatively costly affair for a small sports organisation, and if you get something which is useless because you have omitted to specify under what conditions the work should be carried out, the level of loss will be rather high. A proper contract and technical specification are 'musts' if you plan to place an order for this kind of work.

In the Danish Federation we have instances of prices varying by as much as 100% in the responses we have received to invitations to tender for photographic work. So, therefore, do not turn to the 'first and best' firm - money can be saved by shopping around.

A document inviting tenders must include a description of the job required, in which the spe-

cific flight-path is drawn on a topographical map (minimum scale 1:100,000) and where the first and last principal exposure point is marked to indicate where the area for the required stereoscopic pictures lies. The required picture scale must also be specified. Firms with modern equipment need only sets of coordinates (x, y, z) for the respective start and finish points. In planning the flight-path and scale you must consider the effective size of the 23 x 23 cm negative, which is in fact only about 20 cm allowing for inaccurate navigation, deviations and so on.

This task description needs to be followed by a standard technical specification which spells out precisely under what conditions the job is to be carried out. The specification below is valid only for the photo scale 1:15,000 and under Danish conditions; the chosen date and time and the angle of the sun are variable quantities, which are dictated by which latitude you are operating

Technical Specifications

The flights must be undertaken in the period 22 March - 25 April (Denmark)

Photo Scale

1:15,000

Route Plan

Enclosed

Camera

Negative format 23 x 23 cm Focal length ca. 153 mm

Newly calibrated

Film

Agfa Pan 50 or Ilford FP4+

Flying Height

As required for the photograph scale; tolerance max. +/- 70 cm

Time of Day

Picture Deviation

Correct local time Maximum 0.02mm

Flight Line Overlap Lateral Overlap

As quoted on the route diagram (60%) with tolerance of +/- 5% As quoted on the route diagram (15%) with tolerance of +/- 5%

Border Deviations

Overlap, maximum 5%

Camera Axis

Deviation must not exceed 5% from vertical

Deviation from flying line, max. 5%

Flight-path Deviation The centre of the photo must not be further than 200m from the route plan

Angle of the Sun

Minimum 30° (Denmark)

Weather and

Visibility

Flights must be undertaken in weather conditions and visibility which is the best possible for the time of year. Clouds and their shadows cannot be allowed if they cover forest, heath or marshy areas. When it is mainly forest areas being photographed and diapositives will be used as the base for plotting, perfect visibility without haze is required.

Sue Harvey, IOF Vice President, replies:

Money Prizes continued

Letters to the Editor

if this is found to be broken. were to be the exclusion of that country from the top competitions, this would surely bring those offending to compliance.

Does anyone else feel the same?

Erik Peckett

Devon OC, U.K.

This is a complex issue. Orienteering is affected by what happens in other sports, by social and economic changes, and by different customs in different parts of the world.

The only way the IOF could attempt to prevent money prizes today would be to refuse an event 'international status'. That would probably not be a particularly effective measure. Tennis tried something similar. The events still take place, with lots of publicity. (The sponsor's whole objective is publicity). Soon the best-known events are run outside the control of the organisation responsible for the sport - in our case, the IOF. It seems preferable to keep such events within the main stream.

Outlawing federations is an equally dubious course. Would we, and the sporting world, regard a World Championships which excluded the 3 top nations as anything but a farce?

The Contract

When the offers are appraised and a firm is chosen to undertake the tasks, two copies of the contract should be drawn up, which both the customer and supplier sign (oral agreement has no standing in a law court). The contract must include sections about the conditions of agreement, settlement of the account, copyright, and the procedure for dealing with any dispute.

One can also question if there is much difference between a winner receiving a TV set which he sells for 450\$ or his receiving direct a cheque for 450\$. At certain events TV sets have been typical prizes for years. In Britain the problem has traditionally been solved by a peculiarly British compromise whereby orienteers receive tokens exchangeable for goods. What is a cheque if not the most easily exchanged form of token?

The matter should be kept in perspective. The removal of this prohibition will not bring a flood of huge cash prizes. Past experience shows that there is no, or little, money available within the sport for this. In those countries where there have been money prizes for a number of years (e.g. Sweden) it has become the exception, rather than the rule, to give cash prizes.



INTERNATIONAL FIXTURES LIST



This list includes events in the IOF Calendar with entry closing dates before 1 August 1993. The entry closing date is shown at the end of the event name, e.g. `FIN 5, Juva, Finland (1/6)' indicates a closing date of 1 June. Then follows the type of event. Line 2 gives the contact address and telephone number.

After the entry closing date, symbols show the type of event: *I* - individual, *SI* - short distance, *R* - relay, *N* - night event. A number shows the number of days, e.g. 2*I/R* means 2-day individual followed by relay.

JUNE		JULY	
6	Second Nationale, Lyon, France (1/6) I	9-11	Eskilstuna weekend, Eskilstuna, Sweden (14/6) 3I
	Ligue du Lyonnais de Course d'Orientation, 48 D Rue		Barry Widelund, tel. (46) 016 215 00
	E. Renan, F-69200 Venissieux, France	10	1993 Harvester Trophy Relay, Sheffield, U.K. (13/6)
13	Italian Meisterschaften, Lago Maggiore, Italy (31/5)R		R (day & night)
	Comitato Lombardo Fiso, Piazza S. Ambrogio 23,		1993 Harvester Trophy, 87 Devonshire Road, Sheffield,
	I-20137 Milano, Italy (39) 2 864 53 660		England S17 3NU (44) 742 36 68 22
19, 20	Krogskogsprinten / stafetten, Oslo, Norway (7/6) SI/R	11-17	Sörlandsgaloppen, Tönsberg, Norway (31/5) 6I
,	Christer Beck, Arnesenga 3, N-1313 Voyenenga,		Trond Tjomstöl, Skarphagavn. 76, N-3140 Borgheim,
	Norway (47) 2 13 84 96		Norway (47) 33 20 036
19, 20	International Ostsee-OL, Germany (31/5) I/R	12-14	Hällefors 3-days, Sweden 3I
15, 20	Juergen Weinreich, Kiessender Ring 29,		Hällefors OK, Box 69, S-712 21 Hällefors, Sweden
	D-O-2820 Hagenau, Germany (49) 03 883 236 50		(46) 591 100 30
19-22	'KO-4', Sigulda, Brasla, Latvia (25/5) 4I	12-17	FIN 5, Juva, Finland (1/6) 5I
17 22	OK 'KO' Siguldas PR-TS 37-2, Riga 226014, Latvia		FIN 5 - 93, Pl. 28, SF-51901 Juva, Finland
22	'Riga Cup', Riga, Kalngale, Latvia (8/6) I	15	World Meeting, Södertälje, Sweden (5/7) R
22	OK Magnets, Kr. Barona Str. 70-5,	10	Kjell Nilsson, Fruktvägan 11, S-155 00 Nykvarn,
	A.K. 393 Riga 226001, Latvia (371) 2 29 76 63		Sweden (46) 0755 405 23
23-27	Jeux Mediterraneens, Montpellier, France 4I/R	16-18	Sjællandsk 3-dages, Farum, Denmark (15/5) 3I
23 27	FFOC, B.P. 220, F-75967 Paris Cedex 20, France	20 20	Ole Gold, Maglehøj 6, DK-3520 Farum, Denmark
	(33) 1 47 97 11 91		(45) 42 95 12 74
25-27	Shamrock O-Ringen, S.W. Ireland 3I	21-25	Nord-vestgaloppen, Voss, Norway (1/7) 4I
25 27	B & M Creedon, Mount Prospect, Douglas, Co. Cork,		Trond Soldal, Mönshaugen, N-5700 Voss, Norway
	Ireland (353) 21 36 18 24		(47) 5 51 78 53
25-27	I Baltic Sea Games, Viitna, N. Estonia R/2I	24, 25	Lahti OL, Lahti, Finland (24/6) 2I
25 21	EOF, Regati 1, EE-0103 Tallinn, Estonia	21, 25	Lahden Suunnistajat -37, Urheilukeskus,
	(372) 2 23 70 21		SF-15110 Lahti, Finland (358) 18 51 24 05
25-27	OK Käpa 3-Days, Jekabpils, Latvia (20/5) 3I	27-29	Östgöta 3-dagars, Norrköping, Sweden (1/6) 3I
25-27	OK Käpa, A/K 70 229063 Carnikava, Latvia	21 25	Östgöta 3-dagars, Box 1437, S-600 44 Norrköping,
25-27	Eiker 3-dagars, Hokksund, Norway (14/6) 3I		Sweden (46) 011 16 94 97
25 21	Kjell Klokkerud, Box 73, N-3300 Hokksund, Norway	27/7-1/8	Norwegian O-Festival, Kongsberg, Norway (15/6)4I/R
	(47) 3 87 82 52	2777 170	Oddvar Rönnestad, Daniel Barthsvei 7,
27-29	Grand Prix Gdyni, Gdynia, Poland (31/5) 3I		N-3600 Kongsberg, Norway (47) 3 73 30 15 or after
21-27	WKS 'Flota', ul. Zygmunta Augusta 2, 81-301 Gdynia,		3/6/93: (47) 3273 30 15
	Poland (48) 58 20 18 20	29-31	Cupa Romaniei, Romania (15/6) 3I
28/6-1/7	Norrbottensveckan, Luleå/Boden, Sweden (21/6) 4	27 31	Romanian O Federation, 16 Vasile Conta Str.,
20/0-1//	Norbottens OF, Smedjegatan 17, S-951 32 Luleå,		R-70139 Bucharest, Romania (40) 0 120 160
	Sweden (46) 0920 228 39	AUGUST	10 70135 Buchaross, 10 mama (10) 0 120 100
30/6-4/7	Takas 93 5-Days, Alytus, Lithuania (15/5) 5I	1-7	Scottish 6-days, Inverness, Scotland (1/8) 6I
30/0-4//	OK Takas, Box 558, 3031 Kaunas, Lithuania	1 /	Royal Deeside '93, P.O. Box 93, Aboyne,
	(370) 7 72 87 01		Aberdeenshire, U.K. AB34 5EJ (44) 259 61 310
JULY	(370) 7 72 67 61	7,8	IV Kobras Cup, Polva, S.E. Estonia (1/7) I/R
2-4	XII Puchar Wawelu, Zakopane, Poland (30/5) 3I	7,0	OK Kobras, Metsa 7, EE-2600 Polva, Estonia
2-4	WKS 'Wawel', ul. Bronowicka 5, 30-901 Krakow,		(372) 30 97559
	Poland (48) 12 37 26 64	14	Nuorten Jukola, Parainen, Finland (14/7) R
3	Kalevan rastiviesti, Finland (2/6) R	1-	Heikki Rauhala, Sammonkatu 3 C 35, SF-40100 Jukola,
3	YK/Samuli Törmälä, Lentokentäntie 438,		Finland (358) 41 62 07 15
	SF-84540 Ylivieska, Finland (358) 83 42 92 240	25-29	Canadian Championships, New Brunswick, (2/8) R/2I
4-10	Kainuu week, Kajaani, Finland (1/6) 4I	25 27	Don Heron, 105 Scarlet Drive, Rothesay, New
4-10	KRV-93, Kalliokatu 7, SF-87100 Kajaani, Finland		Brunswick, E2E 1S3, Canada (1) 506 452 1804
	(358) 86 13 03 65	29	4. Nationaler OL, Reiden, Switzerland (26/7) I
6-10	Hungaria Cup 1993, Hungary 5I	2)	Fredi Waser, Treppenweg 17, CH-5300 Turgi,
0-10	Magyar Tajfuto Szövetseg, Dozsa György ut 1-3,		Switzerland (41) 56 28 16 90
	H-1143 Budapest, Hungary (36) 1 113 64 88	SEPT	5 WILZOII and (11) 30 20 10 70
6-10	Midnattsol-galoppen, Tromsö, Norway (14/6) 4I	4,5	Open Baltic Champs., Ignalina, Lithuania (1/6) I/R
0-10	Tord Pedersen, Finnhvalvn. 34, N-9100 Kvalöysletta,	1,5	Lithuanian O Federation, Perkuno al. 5, 3000 Kaunas,
	Norway (47) 83 51 016		Lithuania (370) 7 20 58 45
7-10	Ilvestade, Tartu, Estonia (31/5) 4R	25, 26	Australian Championships, Bathurst, NSW (1/8) I/R
7-10	OK Ilves, PK 161, EE-2400 Tartu, Estonia	20, 20	O Federation of Australia, P.O. Box 740, Glebe 2037,
	(372) 34 76542		Australia (61) 2 660 2067
	(JIE) JT 10JTE		1 200 200 200 1

Events Noticeboard

Grand Prix Slovakia

This 3-day individual event, mentioned in *OW* 93/2 page 8, takes place 24-26 July with training available the previous two days. All classes are catered for. The event centre is Piestany, the most well-known spa in Slovakia with many attractions. No late entry fee will be charged for overseas entries. Contact address is MUDR, Pavol Polácek, Kupeckého 47, 902 01 Pezinok, Slovakia.

Sjællandsk 3-days, Denmark

The correct dates for this event are 16-18 July and not as shown in the IOF Calendar and the last issue of *OW*.

Canadian Championships

An error unfortunately crept into the advert. for the Canadian Championships in the last issue. The training day is on <u>27th</u> August and the individual event on <u>28th</u> and <u>29th</u>.

South African Safari News

Event Director and SAOF President Mike Wilson is hoping for more than 400 overseas orienteers at the 6-day 'international orienteering safari' planned for early in 1994. A recent visitor there was P-O Bengtsson, who expects to return with up to 100 Scandinavian runners on a tour which will also take in Kenya, Tanzania and Swaziland. There will be three events on the Reef, near Magaliesberg, North West of Johannesburg (25-27 February), and three in the Cape, in the Newlands Forest / Rhodes Memorial areas under the shadow of Table Mountain (5-7 March). For further details contact Mike Wilson, tel. (27) 11 806 4343 or fax (27) 11 806 4299.

Swedish Events News

Swedish events will include elite classes again from June 15th; meanwhile entries for the 5-Days in Halland are said to be well up to expectations. The Tio Mila Relay will go ahead on 14-15 August.

The highly popular 'Young Tio Mila' for classes H/D 18 and D 18 takes place this year near Skövde with the start of the main class (10 legs ranging in length from 3.2km to 8km) at 2.30 a.m. on 31 July.

An additional IOF Calendar event is the Hällefors 3-days on July 12-14; details are in the fixture list on page 19. The date of Smålandskavlen has been changed to October 30-31.

1994 Veteran World Cup

An information brochure and entry forms for next year's Veteran World Cup (Scotland, 1-5 August) are now obtainable from VWC '94, P.O. Box 1, Nairn, Scotland, IV12 4UE.

6-day Carnival Accompanies Australia's 1994 World Cup Events

One of the highlights of the Australian orienteering calendar, the Australian 3-days will be held in Canberra at Easter next year. Immediately afterwards attention switches to the Ballarat area of Victoria - goldfields, granite and gully-spur terrain - where a World Cup short distance race on 7 April is followed the next day by the first-ever World Cup relay event. A special World Junior Challenge for age classes 16, 18 and 20 is also being mounted together with a series of three public races. Overall prizes for the 6 days of public competition will be given.

EVENT ADVERTISING

Orienteering World will be happy to produce an advert. for your event in an attractive style using DTP techniques.

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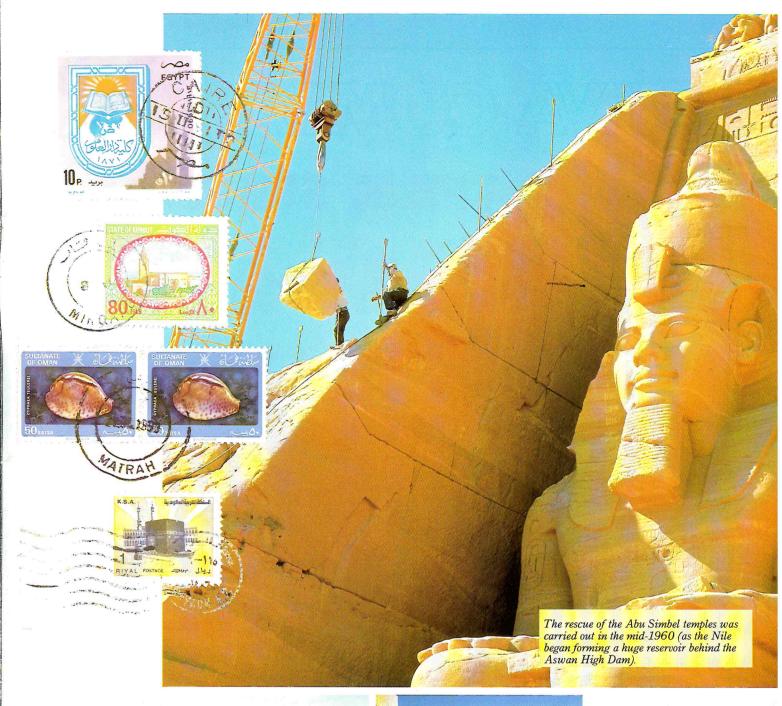


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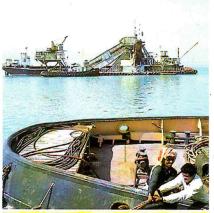
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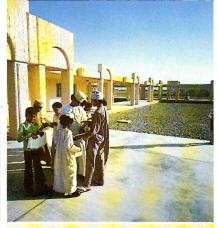
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Dredging of the Shuwaikh harbour in Kuwait.



The Sultan's boarding-school outside Muscat, Oman.

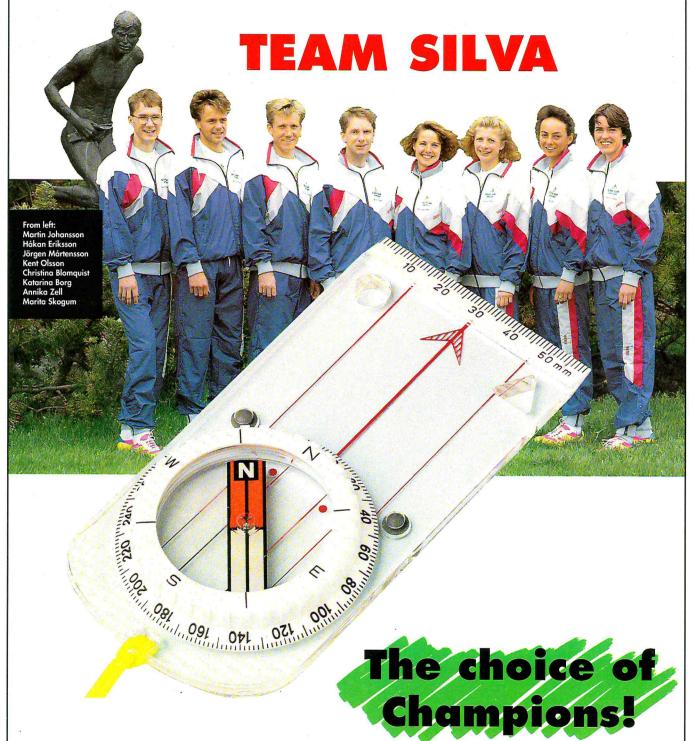


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