the Irish Orienteer

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THE IRISH ORIENTEER ADDRESS LIST 1998

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Cover photo: NIOA Chairman & Irish WOC team member Steven Linton (NWOC). (£10 is paid for the cover photo. Get going!)

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Results and articles are particularly welcome on 3 1/2 inch floppy disks or by e-mail with a printed version as back up. Please keep the formatting simple! TIO is produced in the Editor's attic on an Apple Mac using MS Word and Quark Xpress.

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For 24-hour orienteering information ring (01)-4569099 (IOA) or (0044)-1399-873281 (NIOA).

the Irish orienteer

No. 84 February - March 1998

A Good Year For The Race

To paraphrase Richard Kavanagh, "The next World Cup race in the entire universe is going to be in Kerry". 1998 has the potential to be a great year for Irish orienteering. For the first time we have World Cup races in Ireland, an opportunity which we have to grasp and get as much from as we can. On the positive side it could re-launch orienteering in Ireland as an attractive sport, on the down side the financial and organisational burdens of the event could both bankrupt the IOA and wear out the organisers to the extent that they won't ever get involved in anything like it again.

The IOA has taken on the event and the lion's share of the work is being done by Cork Orienteers. The rest of us have our part to play too: every club has been asked to help: to work on starts, finishes, results, whatever needs doing. Please volunteer to help. Ken Griffin, the main organiser, has written a report and an appeal for help in this issue.

On a related topic, the selectors have named a squad of about 30 men and women from which international teams will be chosen. This is a very welcome step, because without an identifiable pool of orienteers it is difficult to motivate and develop the younger competitors, to organise training for squad members, to raise money for the team. Let's hope the up and coming Juniors will keep the older ones on their toes.

Going back further in time, the IOA is trying to reinvigorate schools orienteering. The re-negotiated IOA insurance policy will have provision for schools participation and with some thought and hard work orienteering could be put back on the sports curriculum where it belongs. We should be looking at other successful sports in schools: why do they succeed? Should the events be midweek rather than at weekends? Is transport a major problem? Should there be team competitions? What can we do to restore orienteering, starting at the roots? Look at all the qualified coaches and instructors we now have: let's turn them loose on an unsuspecting world!

INTER-CLUB CHALLENGE CHANGE

GEN Chairman **Paul Nolan** writes:
"Regrettably Ballinastoe forest has once again been closed to orienteering at short notice. As a result this year's **Inter-Club Challenge** will take place at the Pine Forest, Rathfarnham, Co. Dublin on the same date, February 1st 1998.
The competition will be the same 4-course format as last year but with some of the more senior classes running up a course compared to last time.
Please come along and support this event, Leinster's only club versus club competition.
Run for your club, run for fun!"

SQUADS NAMED

The Irish Selectors have named the squads from which the team will be chosen for the World Cup races this year. These will also form the backbone of the Senior Home International teams and, one supposes, the World Championships team next year.

Convenor of Selectors Richard Kavanagh makes the point that if you feel your name should be on the list you should contact him with results and justify your inclusion.

Men:
Conor Barry,
John Casey,
Brian Corbett,
Bill Edwards,
John Feehan,
Padraig Higgins,
Steven Linton,
James Logue,
Brendan O'Brien,
Colm O'Halloran,
Marcus Pinker,
Colm Rothery,
Geoff Somerville.

Women:
Eunice Cinnamon,
Julie Cleary,
Una Creagh,
Ailbhe Creedon,
Darina Cunnane,
Heather Ervine,
Emma Glanville,
Nuala Higgins,
Ruth Hollinger,
Jennifer Leonard
Eileen Loughman
Jo Mein
Eadaoin Morrish
Toni O'Donovan,
Nina Phillips,
Jane Wilson.

Selection of the 6-man and 6-woman team for the World Cup races in Ireland and England will be based on the JK (both individual days) and the Irish Championships elite classes.
Selection for the Senior and Veteran Home International teams will be based on the Irish Championships, four Provincial Championships, Interprovincial and the Shamrock O-Ringen.
The selectors may also take other results into account in selecting teams. If you have had recent results which might support your selection, you are strongly recommended to send in a brief resume to the selectors.
The World Cup Classic qualification race in Killarney will also serve as the qualification race for the British World Cup Classic race a week later, so if two Irish runners make it to the A final in Ireland, the Irish team will have two runners in the same final in the Lake District.

The squad members listed above are being written to individually to inform them of the selection procedures.

ADDRESS CHANGES

The new contact address for AJAX is: Brendan O'Connor, 31 Moyglare Abbey, Maynooth, Co. Kildare. Ph. 086 2419428, e-mail Ajax_Orienteers@hotmail.com
Dublin University Orienteers: The Secretary, Dublin University Orienteers, House 27, Trinity College, Dublin 2.

RESCUE REPORTS

Paul Smyth writes:
I've just been reading the Dublin/Wicklow Mountain Rescue Team's Summer '97 Report and noticed the following incident reports:
25.3.96, 16:30: 3 youths overdue 4 hours from an orienteering event on Derrybawn mountain. Located on forest tracks.
2.10.96, 16:30: 4 youths missing 4 hours on orienteering event at Oakwood. Recovered by helicopter after lighting signal fire.
Looking at the fixtures list for these dates it does not seem that these were official IOA events and therefor presumably they were school, scout or similar events. I wonder if anyone has any further information on these incidents? It's certainly unfortunate that they are described as orienteering events as publicity of this type can only have a negative effect. I am not aware of any similar situations occurring with 'proper' orienteering events and certainly in any events that I have been involved with in the past any overdue competitors have always been located by the organisers rather than requiring a callout of the Mountain Rescue.

With the state of Irish orienteering (particularly in Leinster) can we afford the negative publicity of this kind of incident. Should we allow groups of uncertain experience access to our maps (maybe these events weren't run using O-maps)? Anyway I just thought this might be of interest.

TIO TROPHY '98

The date for the 1998 *Irish Orienteer Trophy* has been set: this year's competition will be on the first Sunday in October, that's the 4th. Make a note of it now and run for your club on the day. More details later about location and scoring system.

ODDS 'n' ENDS 'n' ODDS

* This year's Connacht Championships should be quite interesting, not just because the weekend includes a run in the splendid drumlins of Knockbarron. Why else? Well, neither event is in Connacht: both events are in Leinster, although the Individual at Golden Grove is within spitting distance of Munster. Who says orienteering doesn't improve your geography?
* "4000 orienteers made less mess in a week than 400 school pupils make in an hour" Janitor at Breadalbane Academy, Scottish 6-Day event Centre (from *Score*, the Scottish O-Newsletter)
* The Geological Survey has produced a Geological Guide to the Wicklow Way. It's in the form of five sheets in a plastic envelope, each devoted to a day's walk. It's available free from the GSI, Beggar's Bush, Dublin 4.
* Danish World Champs team member Carsten Jorgensen sticks with orienteering despite his wins in the first Nordic Cross Country Championships and more recently in the

European Cross Country Champs in Portugal. Switzerland's Marie Luce Romanens, the 1995 World Champ in the Short race is moving to athletics, however. She had a controversial 3rd place in the Short race at the WOC in Norway last year.

* "Handrail" editor Dudley Giles has had to put the magazine on hold after he was posted to work in Bosnia.

* The 1998 Celtic Cup is due to be held in Ireland. Several events have been suggested but the most likely is the Shamrock O-Ringen. This competition is a slightly informal Ireland v Wales match with the composition of the teams being determined by the side which has to travel. Last year it was in Snowdonia in July and Wales won.

* The Leinster O-Association has produced an attractive colour brochure and fixtures list for the first half of 1998. It's being given out at events in Leinster and aimed at newcomers.

* Eddie Niland of AJAX has moved to Israel and lives in an apartment beside miles of mapped sand dunes and a beach. Since moving to Israel, Eddie has one an event and placed well in several others. He says the maps are excellent (many produced by foreigners) but that standards of course planning and controlling could be improved (those were not his exact words!) If any Irish orienteers need a roof over their heads in that area, Eddie would be happy to hear from you. His address is Rehov Bareqet 8, Barne'a, Ashkelon, Israel; phone 00-972-7-6711340 (H), fax 00-972-7-6873983 (W).

* NIOA AGM: The Annual General Meeting of the Northern Ireland OA is on Saturday February 14th at 2.15 pm at Benone Visitor Centre after the NI Score Championships at nearby Downhill.

* The Ordnance Survey expects to have all the 1:50,000 scale 'Discovery 'series maps of the Republic published by the end of 1998.

COURSE PLANNING COMPETITION

The organisers of the first Transatlantic Course Planning Competition announced in TIO 83 have been underwhelmed with entries, so much so that the closing date for the competition has been extended. A number of copies of Orienteering North America were given out to prospective planners at the Three Rock quiz and Christmas party in early December. If you've managed to plan an M35 course on the Surebridge map, send it off to O/NA now.

SUPPORT MOUNTAIN RESCUE

The Dublin & Wicklow Mountain Rescue team are organising a series of fund-raising walks on May 16th in Wicklow. The walks will be graded and the team are appealing for your support. Last year they provided their voluntary services on about 40 call-outs and in addition provided stand-by service at about 12 organised walks and orienteering events, including the Senior Home International at Carlingford. The team covers the Dublin and Wicklow area and as far north as the Cooley Mountains. The Money raised will go towards medical equipment and a new rescue vehicle.

For more details contact the Team Leader, Michael Treacy, 15 Ratoath Estate, Cabra West, Dublin 7 (01-8683476).

"RITES OF PASSAGE"

LOK and 3ROC's Simon Errington had this to say about changing age classes: "December 1997 has been fairly traumatic so far. I started a new job on the1st. I managed two days there before a short break to be at the birth of my first child. James made his first appearance at an O event at Wisley on the 14th, and I discovered the joys of split starts for the first time at Trent Park on the 21st. But the really momentous occasion was at the SAXONS event at Ightham on the 28th - for this was my last race as an M21.

It's a long time since I last changed age groups - Broadstone Warren on 11th December 1983 was my last race as an M19. Since then I've run 952 races as an M21, and getting on for 7600 km in competition. I'm getting quite used to writing "M21" on my control card. People tell me that it gets easier from here on but I'm not sure. An M65 I talked to last week explained that he too was moving up, but M70 was certainly no easier. If people are still running at that age then they are deadly serious, and navigationally competent as well. The fields get smaller but the quality tends to improve. So there's no joy on that front.

Perhaps the courses get shorter. Well almost. As an M21L the recommended course length ratio to M21E is 0.79, and this plummets to 0.76 as an M35L. That should save me all of 500 metres at the typical badge event. But can I even afford to run M35, since I need the extra distance to get ready for National Events. So there's no difference at badge events. And of course I'll have to stay on brown courses at colour coded events. And at these new-fangled short races everyone runs the same course anyway.

But the British Champs will be different won't they? Of course they will: on a shorter course then every little mistake becomes that bit more significant. There's no chance to make up the wasted time. Last year I was running fast enough to come second at the British Champs - if I'd been running M55. So all I have to do is keep running at the same speed for another 20 years and I'll be British Champion. This of course assumes I'll cut out the idiotic error at the path junction just before the last control...

For orienteers and race horses, New Year's Eve is party time, and New Year's Day is a chance to get out there and enjoy your new status. Tomorrow I'll turn up at registration and proudly state "M35" when asked my age group. There'll be no need to be offended when people ask me if I have moved up a year. And I'll still get beaten by everybody that was beating me last week."

- from the O-Net. You can run against/beat/get beaten by Simon at the Shamrock O-Ringen in May.

CURRAGH GOES ELECTRONIC

The electronic age came to the Leinster League event at the Curragh on December 7th last. Two representatives of the manufacturers of the Sport-Ident electronic punching system came to demonstrate the system, on trial for next May's World Cup races in Killarney.

Each control has a small unit attached with a hole into which the competitor puts his "e-card", an electronic key fastened to one finger. This records the runner's time at each control and allows split times for each leg to be calculated immediately after finishing. It also does away with most of the results processing team, because punches don't need to be checked.

The system is geared for pre-entry events, however, and this caused delays at the Curragh as the organisers had to guess who was likely to come. If the system were adopted for regular use, each competitor could have his or her own e-card for the whole season.

It's very interesting to compare split times at the end of the course, particularly with those close to you. While it's possible to do it using a split-time watch, this way is more complete. One drawback, though, is that you don't have a conventional control card to verify which control is next, and those of us who like to write our control descriptions on our cards have to reorganise ourselves a bit.

There ia a rival system, the EMIT (formerly Regnly) one and the final decision has yet to be taken as to which one to adopt.

BSOA NEWS

The IOA has become an associate member of the British Schools Orienteering Association and gets its excellent newsletter, "Search!". The magazine is produced by Hazelle Jackson, well known to CompassSport readers. The Autumn Term issue has lots of orienteering news, not just related to schools, and includes reports on the BSOA score Championships in Lancashire in October, a list of available mappers, fund-raising, introducing orienteering to families and developing partnerships with outdoor organisations.

Anyone involved in junior orienteering (from teachers to scout troops) could spend a mere STG£9 and become associate members. Schools in Britain can affiliate for as little as STG£7. Details from BSOA, 2 Greenway, Park Lane, Brocton, Stafford, ST17 0TS.

DUBLIN NIGHT-O SERIES

Martin Flynn is again trying to mastermind a series of night events in the Dublin area. The plan is to have them on Tuesday evenings from February 3rd - last year they started later so it was still bright for the early starters at the events at the

end of the series.

The planned events are

February 3	Phoenix Park
10th	Killiney
17th	Carrickgollogan
24th	Hellfire
March 2nd	Pine Forest/ Three Rock ?

These events have at the time of writing still to be confirmed, so watch out for notices or fliers at events. For IOA insurance reasons they are only open to over 17's.

LEINSTER COURSE

The IOA are running a **planning and controlling course** in Dublin on the weekend of 14th/15th March. The course will cover all aspects of course planning and event controlling with sessions of both theory and practice. It's aimed at those who want to try planning and controlling or who want to improve or refresh their skills. The venue is St. Columba's College, Rathfarnham. The pleasure of planning and controlling has fallen on too few people in recent years - don't let them hog it all!

Further details from Trina Cleary (01-4936187) or John McCullough (01-8378819, e-mail *jmcctio@iol.ie*).

TWO-DAY ATTENDANCE DOWN

Despite the inclusion of the Northern Ireland Championships at Banagher, the 1997 Irish Two-Day in October was very poorly attended. The status of the event has been diminishing in recent years but it may just be a reflection of the lack of interest by many orienteers in serious competition (remember when there were Badge events or Grade 1 events worth travelling hundreds of miles for?). The organisers must be disappointed too, having put so much work into the event, though there was enthusiastic support for the manager of the Bank of Ireland in Limavady, sponsors of the NIOC. Florencecourt on the second day suffered particularly from a fall-off in numbers, with about half the numbers running in comparison to the day before, with W21L's being the most consistent (all but one ran on Day 2). The event may have suffered partly from unfortunate geography, with the two events quite widely separated, but well done to NWOC and FermO for staging it, and well done to the NIOC Champions and Irish Two-Day winners.

Northern Ireland Champions 1997

M21L	Steven Linton	NWOC
W2lL	Jane Wilson	LVO
Ml 2	Aran Savage	LVO
W12	Zara Stevenson	NWOC
M14	Andrew Mills	FermO
W14	Kelly Gibson	FermO
M16	Rory Finlay	FermO
W16	Gillian Cinnamon	LVO
M18	Che' Finlay	FermO
M21S	Terry Canning	FermO
W21S	Catherine Hassenboehler	LVO
M35	Ronald Patterson	FermO
W35	Nadine Grant	FermO
M40	Steve McGibbon	LVO
W40	Ann Savage	LVO
M45	Wilbert Hollinger	LVO
W45	Teresa Finlay	FermO
M50	Ernie Wilson	LVO
M55	Maxwell Reed	FermO
M60	Freddie McCann	LVO
M65	Norman Ervine	LVO

COACHING COURSE

Leinster Coaching Officer Damien Cashin is planning to run weekend coaching course for orienteers in the weeks before to the Shamrock O-Ringen. The course will be aimed mostly at Leinster orienteers. Details of date, venue etc. from Damien Cashin (01- 2818212).

WORLD CUP TRAVEL

"We think we have found the best/cheapest/easiest method of getting from Manchester Airport to Cork to Lake District to Manchester Airport.... We have agreed special fares with the railways and the return from the Lakes to Cork return is a maximum of STG£96 - could be less depending on travel times etc. (student fares maybe available). We can arrange this for teams, supporters & anyone travelling to the Shamrock. For more info please get in touch..... (Presumably there are attractive rates for Cork-Manchester-Lakes-Cork too? -Ed.)

Gordon Ross, Scottish O Tours. (phone/fax 0044-13398 81203, e-mail <GROSS1SOT@compuserve.com>) - from the O-net.

NI CONFERENCES

Fermanagh Orienteers are hosting two separate but related conferences in January. The first is an NIOA Officials' Seminar on Friday evening and Saturday 23/24 January aimed at those who wish to become graded controllers, planners or orgainsers, or who want to progress in the grading system.

The second is the NIOA Development Conference: "Towards the Millenium" on Sunday 25th January. The conference aims to give direction and ideas to the NIOA committee for the rolling development plan up to 2001 and to discuss the NIOA's application for mapping funds to the National Lottery - an application which may require NIOA members to raise £20,000 themselves.

1997 WARD JUNIOR HOME INTERNATIONAL

Gorddinan, North Wales, 4th/5th October.

We travelled out from Dun Laoghaire on the Stena HSS on Friday (6 cars for the price of 5 when group booking). Accommodation was at a Youth Hostel about 4 miles from the event. Breakfast was the only meal provided at the hostel but it had good cooking facilities, little used by the Irish. The vening meal on Saturday and the prize-giving (for the other Nations) was at Llanrwst, about 10 minutes from the hostel.

With breakfast at 8 a.m. sharp and first starts at mid-day on day one, it made for a long morning, but not long enough to train for those who did little or none in the weeks before we went.

We got a map of Gorddinan on the Friday night and it did not look too bad, after all we have been to West Cork. Saturday morning looking down on the area from the main road, it looked fast run in places at least and with overhead power lines mapped it would be "No prob". The fact was no part of West Cork was ever as physical as this. Long wrap around grass in the marshes was faster than the knee high undergrowth on the ridges and little hills, not exactly what the M/W 14's were looking forward to.

To add to this, the controls were not hidden, but they did not jump up at you either. One had to be technically very good out there or lots of time could be lost. It was a closed event so there were no great number of runners to lead you into a control. At this stage you may have guessed we did not win, England did, with 322 points, Scotland 190, Wales 188 and Ireland with 115. On the day Scotland and Wales were tied for 2nd prize but on checking of cards from Day 1, Scotland got 2nd prize to themselves.

Best runs on Day 1 were in 5th place, Rory Finlay M16, Allan Bogle M18 and Clare O'Connor W18. On Day 2 Aislinn Austin had a terrific run to be 2nd fastest W16, Allan Bogle (3rd M18) and David Healy (4th M14). We had two third places in the relays, M14 and M16. In the Individual (day one) we had 3rd in W16, M16 and M18, scoring higher than Scotland Ml 8 and Wales M/W 16.

To look on the bright side, all our W16s are still W16 in '98, we should be strong in M16/18. M/W 14s are there, all that is needed is a little training and encouragement. W18"s: I don't know - even as a boy I couldn't understand them.

Many thanks to drivers and selectors, Mary Healy, Rick Austin, Pat Healy, Bobby O'Connor, Charlie Reid and Monica Nowlan.

Thanks to all the coaches who helped/ran the training weekend in Birr in August. Looking forward to meeting all you juniors at training and competitive events.

The Irish team was W18 Fionne Austin, Susan Healy, Clare O'Connor; M18 Allan Bogle, Che Finlay, Declan Kelly, Gregory Smythe; W16 Aislinn Austin, Laura Cotter, Caroline Dennehy, Denise Healy; M16 David CArter, Luke Campbell-Crawford, Rory Finlay, Jonathan Lucey; W14 Sharon Lucey, Niamh Morrissey, Niamh O'Boyle; M14 David Healy, Kevin Houlihan, Niall Walsh; reserves Alan Barry, Darren Burke, Zoltan Foley-Fisher. (M16's). In the end, Gerard Butler travelled instead of Greg Smythe.

Team scores: Day 1: E 178, S 112, W 104, I 73; Day 2 E 144, S 78, W 84, I 42.

(Ted Lucey)

World Cup Update

WORLD CUP EVENTS
Nos. 1 & 2
22-25th May, 1998
Killarney, Ireland.

Way back in July '94 the notion of Ireland hosting a World Cup event first surfaced at an IOA meeting - it was all Faith White's fault! It seemed like a great idea at the time and early in 1995 the IOF approved it. Now with less than 5 months to go the reality is suddenly dawning on everyone that this event is really going to happen. For those of you who are not fully clued in, that includes nearly everyone, the following is a report on what it is all about and where we are at to date.

The World Cup events are held every second year, on the years the World Championships are not held. It consists of a series of races from May to October with the events being grouped together, in order to keep travelling at a minimum. The 1998 series is as follows:

Events 1 & 2	22 -25th May, Ireland
Events 3 & 4	28 - 31st May, England
Event 5 (Swedish 0-Ringen)	20 -24th July, Sweden,
Events 6 & 7	12 - 15th September, Poland
Events 8 & 9 Slovakia	17 - 20th September,
Events 10 & 11	27 - 2~h September, Estonia
Events 12 & 13	1 - 3rd October, Finland

The events are open to International Teams of 6 men and 6 women with points being accumulated from each event. A total of 10 individual events (6 best to count) and 3 relay events (all 3 to count) are used to accumulate the scores. Irelandwill be hosting a Classic distance individual event and a Team Relay event.

While the IOA are the organisers of Events 1 & 2 they have appointed CorkO to act as local organisers to do most of the groundwork. CorkO have decided to run the annual Shamrock O-Ringen 3-day event in conjunction with the World Cup weekend so everyone travelling to see the event can take part on the same maps, on the same day, and using some of the same controls as the elite international runners.

Timetable

The proposed timetable for the events is as follows:

Friday 22nd May 13.00hrs Classic Qualification race followed by Day 1 of the Shamrock O-Ringen at Crohane Lake, Loo Bridge, Glenfiesk.

Saturday 23rd May l0.00hrsClassic Final race followed by Day 2 of the Shamrock O-Ringen at Crohane, Glenflesk.

Sunday 24th May 10.00hrs Day 3 of the Shamrock O-Ringen at the Black Lakes, Loo Bridge, Glenflesk.

Monday 25th May 10.00hrs World Cup Relay at Muckross, Killarney.

For those of you not familiar with the area Glenfiesk is located on the main Cork - Killarney road (N22), 16km from Killarnev. The event centre will be the Glen Eagles Hotel in Killarney and special rates are available by contacting Destination Killarney at +353-1-8742949 (@ Clery's department store in Dublin). There will be a prizegiving ceremony / Banquet (of some sort!) and Ceili Mor in the hotel on the Saturday night.

For this unique event all clubs are expected to give a hand and so far the offers of help from around the country have been most encouraging with many taking a weeks holidays. CorkO have a special sub-committee set up to organise the event and at the moment its main emphasis is on the maps and Sponsorship - this is an expensive undertaking for the IOA, if you have a good contact let us know.

Who's who?

For the record the following are the key personnel who have been appointed so far:

International Controller Oyvind Holt, Norway
Event Director Ken Griffin, CorkO
Planner Day 1 Justin May, 3ROC
Organiser Day 1 Noel Donagh and Nigel Foley-Fisher, MNav
Controller Day 1 Alan Shaw, Thomond
Planner Day 2 Bernard Creedon, CorkO
Organiser Day 2 Sean McSweeney, SO
Controller Day 2 Alan Shaw, Thomond
Planner Day 3 Pat Long, LeeO
Organiser Day 3 Dave Hyland, Thomond
Controller Day 3 Rory Costello, KerryO and Kevin O'Dwyer, SO

The mappers are Marcus Pinker, CorkO, Days 1 & 2 and Barry Dalby, 3ROC, Day 3.

Maps

The maps are complete with final checking being done over the Christmas period. We have had two visits so far from our international controller, Oyvind Holt of Norway. He is very pleased with progress to date and was particularly impressed with the finish location for the Classic Final. In this open hllly terrain spectators at the finish can follow the runners over the last few kilometres. Those of you who were at the recent Leinster League event in the Curragh would have had an opportunity to try out one the electronic timing systems were are considering for the World Cup. At the time of writing this system has not yet been approved by the IOF.

Over to you

So now we are looking for offers of help. Most clubs have appointed a club co-ordinator who is compiling a list of volunteers. Please channel your offers through your own club. We are particularly looking for helpers from the Wednesday to help in the advance work. Anyone helping on the World Cup event wlll be free to take part in the O-Ringen later.

This is a once off chance to put Orienteering in Ireland on the map, to show the World that we can do it just as well as them if not better, to show our countryside and orienteering terrain off to its best advantage, to do a job that we can all be proud of.

I know I can depend on you!.

Ken Griffin
Event Director.

JUNIOR SQUAD NEWS

Next year's Junior Home International event is in Scotland in the autumn. There has already been a training weekend at the Curragh and Woodenboley just after Christmas, including the use of the army school of physical education (and instructors!)

The programme for the rest of the year is as follows:

21/22 February Connacht Champs/ Interprovincial.
14/15 March Kilfinnane, Co. Limerick - training weekend
April 4th Leinster Championships
May 2nd Irish Championships
July-August other training sessions.

CONNACHT EVENT CENTRE

Just before going to press we learned that the Event Centre for the Connacht Championships weekend on 21-22 February will be the County Arms Hotel in Birr, Co. Offaly (0509-20791)

MATT *takes evening classes*

HOLIDAY TIME '98

The International O-Federation is celebrating the 100th Anniversary of the first public orienteering competition from the '97 World Championships to the end of the World Cup in 1998, so it would be a good year to travel to expand your orienteering horizons.

It's time to preview the major events in 1998 which might entice you away for a long weekend, a week or a few weeks to sample orienteering in other countries, or even as far away as Kerry. I say this every year, but not trying orienteering elsewhere is like living your whole life in one street, never seeing the wider world (or maybe you're like the old woman from the Blasket Islands who decided to go to the mainland: when she got to the top of the crest over Ventry and looked towards Dingle, she said "Oh, isn't the world a terrible big place" and turned round and went home again for ever.)

Anyway, you can bring a horse to water etc.

How about some warm weather training in **Spain?** Scottish O-Tours are running a trip from February 14-21 to Alicante, and two weeks to Portugal in March including competitions. (0044-13398-81959, email gross1sot@compuserve.com). They also have training in the **Czech Republic** before Easter and a trip to the event itself (Prague, June 29-July 5). Back in **Portugal** there are 4 days at Vieira de Minho from Feb 21-24 and a two day at Sesimbra on March 7/8.

At home, the main events are the **Connacht Championships** at Roscrea on February 20 and the Interprovincial at Knockbarron on Feb 22nd. Even if you can't make the Saturday, go to Knockbarron: you won't regret it! The **Leinster Championships** are at Trooperstown, near Glendalough on Saturday, April 4th. There's no news yet of a Sunday event to make it a worthwhile weekend for those travelling from afar, which seems a pity. The **Irish Championships** at Slieve Gullion should see LVO at their organisational best, but unfortunately they clash with the British Champs the same weekend. For the committed, though, you could run the Irish on the Saturday, the British on the Sunday and the British Relays on the Bank Holiday Monday.

March has the **Israeli Championships** (of interest to Ajax's Eddie Niland, now based there) on the 6th/7th and two 2-days in **Spain** and **Portugal** on 7/8th. There are two-days in Spain and **Switzerland** on 21/22: maybe of interest to Civil Servants and others whose leave year ends on March 31st.

Snowdonia beckons for the Jan Kjellstrom International Orienteering Festival (you can see why it's known simply as the "JK") at Easter: April 10-13. The usual format: training event, two day individual and relay, all within 5 km of the event centre at Dolgellau, only about 70 miles from Holyhead. Entry forms are in this issue, and you can pay by credit card for the first time this year. (internet address http://www.btinternet.com/~p.ribbans/JK98.html)There's also an **Australian** 3-Days at Easter, and of course the **Ballyhoura** 3-Day (entry form also enclosed).

May is going to be busy, with the **World Cup** and **Shamrock O-Ringen** in Killarney from the 22nd to the 24th/25th: you simply must be there if you call yourself an orienteer. You can follow the circus to the English **Lake District** for more World Cup action and open races from 28th - 31st: well worth the trip. If you can't make it in May, how about the Lake District 5-Day in August? The terrain is superb, the scenery spectacular and justly famous: the only problem is the other million or two tourists with the same idea. Still, early risers can avoid the crowds. Late May also has the **Belgian** 3-Day at Lommel, from 30th to June 1st. Before all that, though, there's the Tiomila overnight relay at **Stockholm** on 2/3 and a 2-day at La Coruna in Spain, location of one of the world's oldest lighthouses.

June sees the start in the Czech Republic of the **World Masters O-Champs** (formerly the Vets' World Cup) at Novy Bor starting on June 30th. It's open to all over 35's and there are qualification races to see which final you'll be in. It's cheap, the terrain of huge limestone pillars is remarkable. What are you waiting for? June also has the 50th Jukola Relay 7-man overnight relay in **Finland** on 13-14th, at Lohja, about 40 km from Helsinki. This is an event which inspired the similar Harvester Trophy relay in Britain. The Shamrock O-Ringen has moved to May this year, so you could try the **Norwegian O-Festival** at Oslo instead from June 26-28th.

The main holiday event season is July. From the 7th-11th there's the the 5-Days of the Valle di Non, Trentino, in **Italy.** At the end of the month is the Sage Stomp in **British Columbia**, Canada, from July 25 to August 4. (See the advertisement in this issue). There's a 4-day in **Estonia** (8-11th), 5-days at Kaunas in **Lithuania** (8-12), at Ikaalinen in **Finland** (13-18) and at Gävle in **Sweden** (20-24) and there's a 3-Day at Farum in **Denmark** (17-19).

From August 2-7 there's the **Lake District** 5-Day in England, based at Langdale. Entries to Lakes 5, 221 Hale Road, Hale, Altrincham, Cheshire WA15 8DN (http://www.cs.man.ac.uk/amulet/ staff/doug/Lakes98/)

Fast-forward to October when the first major event to take place on the Chinese mainland is the **Asia-Pacific O-Champs** from October 14-18 at Miyun, 80 km from Beijing. Could this be Beijing-O?

Lots of this information (and much more) is readily available on the internet, if you know anyone with access. Check out the IOF home page (http://www.orienteering.org) and go from there. IOA and TIO also have some details too. The January issue of CompassSport will have the usual summer holiday orienteering supplement

To whet your appetites for summer orienteering holidays, here's ***Bill Simpson's*** *account of...*

The European Tour Part II

The first part of this report (see TIO 83) covered the French 5-day event in Dijon, where the mustard comes from. From there, I headed east through Germany and Austria, pausing briefly in Vienna, to settle for a while in the Czech Republic.

The BOTAS cup is a 3 day event, the winners of each class being judged on the cumulative time over the whole competition. I travelled from Prague to the event centre in Budislav on a hot, sunny day. The only way to guarantee good weather in Europe last summer was to plan a day in the car. On the other hand, the first day's competition was blessed with a thunderstorm, which seemed to be a surprise to the organisers, who had not considered that a map bag would be of interest to the competitors.

Some other aspects of the start procedures are worth noting. At 2 minutes before the start line, a digital clock is displayed. That was it! No team calling up starters. No ticking names off lists. No instructions to move forward. I liked the simplicity and it seemed to work fine for everyone. Competitors simply moved forward when their start time was displayed. At the start line there was a control card check and the maps were about 50 metres from the line in labelled piles, but I digress.

Fortunately I was prepared for the weather and only the east edge of the map was disintegrating as I packed it into my own plastic bag. The first leg was not suited to my normal technique out of the start, running hopefully down the nearest track while trying to work out a route. I was 100 metres past the optimal point for leaving the path and plunging into various shades of green by the

time I had sorted out the soggy map. So I dog-legged back into the first control and resolved to settle down as I squelched out across the terrain, which turned into one enormous seasonal marsh. It was gently contoured runnable forest and apart from some problems in the green bits round controls 4 and 5, I had a steady but damp run around Vochomurka.

It was still raining on day two, but not as heavily as before. The organisers had reconsidered their attitude to plastic bags. Again, I was slow getting brain into gear, and ran to the wrong knoll, but probably only lost about 50 seconds on this one. The first few legs were straightforward in relatively simple terrain and then we crossed the road into glorious mature pines growing on intricate spurs and re-entrants interspersed with impressive sandstone cliffs and boulders. This is what Continental orienteering should be like. Unfortunately the planner seemed to prefer variety over quality and after 3 enjoyable kilometres we were taken back through some fairly unpleasant thick forest and undergrowth. It was the last thicket before the finish that delivered a scratch on my eyeball that threatened my run on the following day. After a period of doubt at 5 a.m. I finally concluded that to run would be more fun than visiting the local Red Cross station.

It was a good decision. The sun shone. We were taken straight into the best terrain and stayed there for two thirds of the course. I had a clean run apart from some slight hesitation on the 6th leg. I should have been more positive, given that the control feature was a 10 metre boulder. The biggest problem in the circle was deciding which side of the boulder to run round. I finished in 21st place overall out of a field of about 50. All of the competition was Czech, but I am bound to say that the Czechs are good orienteers. Well, I would, wouldn't I?

All that remained to be done in this stage of the holiday was to pick up the rest of the party in Prague and head for Scotland and that story will have to wait until the next episode. Hasn't someone else covered the Scottish trip?

Letters

Letters on all orienteering subjects under the sun are welcome. Want to get it off your chest? Do it here!

Dear Editor,
The new Leinster Fixtures List which I received a copy of at the recent event in Glencree raises a couple of issues.

All the grid references are four figure references. It amazes me that despite being orienteers some of us apparently do not understand the national grid reference system. I know this issue was raised in TIO a few years ago but people still don't seem to have grasped it so I think its worth making the point again. If you give a four figure reference you are specifying an area 1km square. If you give a six figure reference you are specifying an area 100m square. Now the purpose of supplying grid refs is to allow the competitor travelling to the event to accurately locate the assembly area.
I don't know about you but when I'm relocating I'd rather be within 100m of the point I'm looking for rather than being within 1km of it. For example the grid reference for the upcoming Raven's Rock event is given as O 19 18. This is the grid square conatining Glencullen which is on the opposite side of the mountain to Raven's Rock itself. Now imagine you are a relative newcomer to Orienteering who probably hasn't been to Raven's Rock before. Where would you go?
Then there is the grid reference for the next event in Ballinastoe, O 17 08. This is the grid square which includes White Hill. This is in the middle of the map. Do we enter the forest from the East or West side? This is just sloppiness. It only takes about a minute to accurately read a six figure reference from the map. I would suggest that the reference given should be the reference for the point where one enters the forest as people can be easily directed by signs from there. And it should be six figure reference so that the correct point can be located with reasonable confidence.

The Fixtures List is clearly aimed at novice orienteers and should help encourage greater participation. Most of the events listed are in Leinster with one or two exceptions. The World Cup event in Killarney is mentioned but makes it quite clear that this event is only open to the national team. However why is there no mention of the Shamrock O-Ringen which is running in parallel with the World Cup probably the best orienteering event held in Ireland each year and open to EVERYONE! To mention one without the other seems a bit churlish.

Paul Smyth

THE INTERNATIONAL ORIENTEERING FEDERATION

The International Orienteering Federation (IOF) is the world governing body for foot-orienteering, ski-orienteering, mountain bike orienteering and trail orienteering. The IOF was founded on 21 May 1961, in Copenhagen in Denmark. Today the IOF is a growing, dynamic federation with 49 member federations.

The supreme body of the IOF is the biennial General Assembly. The basic structure of the federation is formed by the Council together with four discipline committees, three other permanent committees and the Secretariat.

The main objectives of the IOF are creation of a higher profile for orienteering, an increase in the number of countries where orienteering is practised, a stronger IOF, and discipline development

The Official IOF Events

* World Championships in foot-orienteering and ski-orienteering every other year
* World Championships for 20-year-olds and younger in foot-orienteering and ski orienteering every year
* World Cup in foot-orienteering every other year, and World Cup in ski-orienteering (starting in 1999) every year
* World Masters Orienteering Championships for 35-year-olds and older veterans in foot-orienteering, and in ski-orienteering (starting in 1999), every year
* the first World Championships for mountain bike orienteering and trail orienteering

will be organised in the near future

The first World Orienteering Championships were held in Finland in 1966. Competitors from 11 countries participated in those competitions and medals were won by orienteers from four different countries. In the 1995 WOC, competitors from 37 countries participated. Nine countries won medals.

Junior World Championships have been organised since 1990, and as many as 312 juniors from 32 countries competed in Denmark in 1995.

About 2,900 veterans from 35 countries competed for the World Champions' titles in 1996.

The first World Championships in ski-orienteering were held in Hyvinkaa, Finland, in 1975. Ski-orienteers from 9 countries participated in those competitions and medals were won by four countries. Ski-orienteers representing 23 countries took part in the 11th World Championships held in Norway in 1996.

Since 1989, the World Cup in ski-orienteering has been organised every second year. The first Junior World Championships in ski-orienteering were organised in 1995 with 16 participating nations.

100 YEARS SINCE THE FIRST PUBLIC ORIENTEERING EVENT

How old is orienteering? That is not so easy to tell, because it is very much a matter of definition. It has, however, been agreed that the time for the first public event be considered the birth of orienteering. That particular event was organised in Norway in 1897, and thus the sport can now celebrate its hundredth anniversary.

The IOF has decided to celebratie the Centenary of Orienteering. The celebrations will last for a whole year, beginning at the 1997 World Orienteering Championships in Norway and ending at the 1998 World Cup Final in Finland.

The centenary will be highlighted at all the major IOF orienteering events during the above-mentioned period, i.e. the 1997 WOC in Norway, the 1997 Veteran World Cup in USA, the 1998 World Championships in ski-orienteering in Austria, the Junior World Championships in ski-orienteering in Russia, the World Masters Orienteering Championships in the Czech Republic, and at all the 1998 World Cup events.

Previous to the first public event in 1897, orienteering had been practised in the army. In 1886 the word 'Orienteering' was used for the first time to mean crossing unknown territory with the aid of a map and a compass. In 1895, real orienteering competitions were then held by the military garrisons in Stockholm and Oslo.

Orienteering as a sport in its own right started to develop in the Nordic countries at the beginning of the century. By 1930 orienteering had become firmly established in Finland, Norway and Sweden, with meetings and co-operation between these three countries already a regular feature.

The first international competition was held in 1932 in Norway, between teams from Norway and Sweden. Apart from a break for the war the Nordic competitions continued, at first between

Finland, Norway and Sweden, with Denmark joining in at a later stage. In 1946 a Nordic body for co-operation (NORD) was founded.

The international spread of orienteering became more and more a topic for discussion. The sport was growing in other co[illegible]ies, above all in Switzerland. Eventually NORD asked the Swedish Orienteering Federation to arrange an international conference. This was held in Sweden in 1959 with delegates from 12 countries: Austria, Bulgaria, Czechoslovakia. DDR (East Germany), Hungary, Switzerland, West Germany, Yugoslavia and the four Nordic countries.

The following year, NORD proclaimed an international federation but the real International Orienteering Federation (IOF) was founded at a Congress held on 21-22 May 1961 in Copenhagen, Denmark, by 10 members: Bulgaria, Czechoslovakia, Denmark, DDR, Finland, Hungary, Norway, Sweden, Switzerland and West Germany.

The first World Orienteering Championships were held in Finland in 1966. Junior World Orienteering Championships have been organised since 1990, and the first official World Cup was introduced in 1986. The first Veteran World Cup was held in 1983.

The first World Championships in ski-orienteering were held in 1975 and the first Junior World Championships in 1995. Beginning officially in 1989, the World Cup in ski-orienteering has been organised every second year. The first World Masters Championships in ski-orienteering will be organised in 1999.

The youngest member of the IOF, the Orienteering Federation of India, was accepted in April 1997. India included, the International Orienteering Federation today counts 49 national member federations. (Ireland has been a full member since 1975, if my memory is correct - Ed.)

WORLD RANKING LIST FOR ELITE ORIENTEERING

The International Orienteering Federation has introduced a World Ranking List for Elite Orienteering to start this year. The scheme has been formulated by the IOF and will be implemented by the Norwegian company N3 SPORT AS which will operate the IOF World Ranking List at the web site http://www.n3sport.no/ from February 1st.

Ranking points ca[illegible]e gained at any of more than 50 designated events each year and final ranking placings will be determined by the best six results for each competitor. Ranking events will include World Championships individual races, all World Cup individual races and all IOF Elite Events, now to be known as IOF World Ranking Events. The Ranking list will be updated after each ranking event.

It was recognised that the status of the old-style IOF elite events was somewhat ambiguous and it is hoped that the new IOF ranking events will attract much more interest, both from competitors and the media as a result of the ranking list.

There has been much debate about the method used to generate ranking points, especially where there will inevitably be great disparity between the strengths of field and also the spreads of times at the different events contributing to the scheme. The formula to be used is mathematically sophisticated and takes both these factors into account. The scheme will be started by using results from the 1995 and the 1997 World Orienteering Championships, and the 1996 World Cup.

"We hope that the IOF will be proud of our services, and that orienteers world-wide will find the IOF Ranking List attractive", says Öyvind Stene, president of N3 Sport AS.

1998 will be a trial period for the Ranking list and changes may be implemented during and at the end of the period.

IOF CONGRESS 1998: PORTUGAL

The 19th IOF Congress takes place at Sintra, Portugal from July 7 - 12th next. At its meeting on 11 and 15 August 1997, the IOF Council decided to call an Extraordinary General Assembly to be held prior to the 1998 Ordinary General Assembly (on the same day). The only item on the agenda of the Extraordinary General Assembly is a proposal for revision of the IOF Statutes, principally the matter of voting at the IOF General Assembly.

According to the IOF Statutes, IOF member federations shall have the right to send three delegates (including interpreters) to the Ordinary and the Extraordinary General Assembly. Delegates shall be citizens or residents of the country represented. Associate members may send up to two representatives.

Proposals to the General Assembly :

Please note that proposals from member federations shall reach the IOF Secretariat in writing at least four months before the General Assembly (i.e. by 10th March 1998).

Nominations for the IOF Council

According to the IOF Statutes , nominations for the Council shall be submitted in writing to the Secretariat not later than two months before the General Assembly. Additionally, we would appreciate it to receive your nominations for IOF Committee Steering Groups at the same time,

COMPASS SPORT ORIENTEER

COMPASSSPORT can be yours for only STG£17.50 for one year, STG£34 for two years. Send cheques or credit card details to TIO. Orienteering World (IR£14) and the Scientific Journal of Orienteering (IR£9) are also available through The Irish Orienteer.

although it is not required by the Statutes.
Detailed information about accommodation and costs, deadline for registration, optional extra activities, such as excursions, etc., will be sent out shortly by the local organiser, the Portuguese Orienteering Federation.

IOF DEVELOPMENT ORGANISATION ENHANCED

Following the Presidents' Conference held in August 1997 and work previously done, the IOF Council has announced measures to strengthen the organisation with a view to achieving the development needed in order to reach the goal of getting each of its four orienteering disciplines into the relevant Olympic Games.

Olympic Project Steering Group formed

- To strengthen the organisation leading our work on development towards the Olympics, the IOF Council has decided to enhance the previous Olympic Project. The new Olympic Project Steering Group will include representatives of both IOF member federations and the elite runners. The Steering Group is to be led by Senior Vice-President Åke Jacobson and is directly subordinate to the IOF Council.

Development Assistant appointed

- Following a decision taken at Council's April meeting, the IOF has also appointed a full-time Development Assistant. The extra member of the IOF staff is Sigitas Stasiulis from Lithuania. He started work on 1st January 1998. Stasiulis will be subordinate to the IOF Secretary General and based at the IOF Headquarters in Helsinki. The job of the Development Assistant will focus on increasing and strengthening IOF membership, geographical spread, and the development of the orienteering product. He will play an important part in coordination of the project,
says Sue Harvey, IOF President.

Until recently, Stasiulis, 26, was employed by the Lithuanian State SportsDepartment, where he was dealing with international sports affairs and anti-doping activities. He had been with the Sports Department for the past three years, since graduating from the University of Vilnius with a bachelor's degree in Geography and Physical Training.

Jörgen Mårtensson to be IOF Consultant

In addition to employing a full-time Development Assistant, the IOF has decided to use consultancy services for specific tasks and projects. One of these consultants providing the IOF with experience, contacts and new ideas, is the multiple world champion Jörgen Mårtensson. The full details concerning his involvement will be defined at a later stage as the concrete plan of action is developed.
IOF President Sue Harvey comments: - *I believe increasing and strengthening the organisation will enable the IOF to make better progress with development towards the Olympics. In particular, I believe that involving the federations and the elite runners more closely in the work will be an effective formula. I also feel that the combination of a full-time Development Assistant and the experience and contacts provided by Jörgen Mårtensson will prove extremely successful.*

CONFUSED COMPASS

The Silva compass that we are all familiar with, has for some time now, been manufactured by Silva AB in Sweden and marketed by JWA (Johnson Worldwide Associates) in the U.S. under the "Silva" trade name. Silva AB and JWA had a falling out after Silva AB acquired Brunton and JWA no longer sells product manufactured by Silva AB. However, JWA still has the rights to the "Silva" trade name in the U.S.!
So...The "original" Silva AB compasses are now being sold as the "NEXUS" brand by Brunton (I know...this sounds like a Melrose Place episode!). For example, the NEXUS Scout #23LU is the exact same compass as the former Silva Huntsman #23P (as they were both manufactured by Silva AB in Sweden). I apologize to you if this is all very confusing!
3rd Marble has dropped the Silva (soon to be made by Suunto) line of compasses in favor of the NEXUS (used to be sold as Silva) compasses. I trust that you will be very satisfied with the traditional NEXUS (Silva AB/Sweden) quality!
- from a search for Silva on the internet

William Augustine Mulligan: The (almost forgotten) Father of Irish Orienteering.

Aonghus OCleirigh CNOC & DFO

When and where exactly was Ireland's first orienteering event held? A half page article discovered by Pat Healy in the Clonmel Nationalist newspaper dated 19 April 1969 describes in detail the newly found sport and reports on the first event organised in this country (recorded in print or otherwise) - a competition planned and run for members of the 3rd Motor Squadron (FCA) based in Clonmel.

The newspaper reports that on Sunday April 13th 1969 at Harney's Cross near Clonmel, 44 members of the 3rd Motor Squadron took part in the first orienteering event for FCA personnel over a 7-mile cross-country course from Boola Bridge to the Raven's Rock and back through the forest to Harney's Cross. (The current orienteering map of Kilsheelan covers some of the terrain used for that event.) The squadron was divided into district teams for the competition - Clonmel, Rathgormack, Carrick, Kilcash, Fethard, Lismolin and Mullinahone. Competitors ran in pairs; the three winning pairs in the various categories were Corporal Wm Harty and Trooper Wm Byrne, Trooper Wm McGee and Trooper Devine, and Sergeant D Fahey and Trooper Dargan. Clonmel took the district team prize. The "Clerk of the Course" was Corporal Tom Hannon, one of those whose photograph appears in the newspaper article.

Commandant William Augustine (Gus) Mulligan, commanding officer of the 3rd Motor Squadron in Clonmel, had encountered the sport while serving in Cyprus with the United Nations Peacekeeping Force. He was introduced to orienteering by a Capt N. Engrist of the Swedish Battalion, and on his return in 1968 he passed on the sport to his unit in December 1968. In a separate article published in the March 1969 edition of An Cosantóir- the Defence Forces in-house publication - Gus Mulligan describes orienteering as "excellent military training, combining practical use of the map, compass work, physical fitness and intelligence." He adds that "the fastest does not always win as one may defeat a faster runner by skilful planning". There is "nothing new in orienteering, as it is practised in all armies of the world with the aid of a protractor, map and compass." He attributes the advent of the Silva compass (which combined protractor and compass in one unit) as greatly simplifying and demystifying navigation.

The early maps used for military orienteering in Ireland were of scale 6-inches-to-one-mile. Since there were few photocopiers in those days, copies were produced by first tracing the main features of the map on to a foil and then reproducing the traced image using the Gestetner printing apparatus (a mainstay of every Defence Forces Orderly Room of that time).

Where does Gus Mulligan's event fit within the currently accepted history of Irish orienteering? The re-discovered newspaper article places the Kilsheelan event as the first organised orienteering event in this country. The second orienteering event held here was the competition organised by Michael Lunt in Autumn 1969 in The Devil's Glen. A following event was run in the Glen of the Downs by Paddy O'Leary. Irish orienteers today are indebted to these, and many other pioneers of Irish orienteering - both civilian and military.

(Copies of the source articles from The Clonmel Nationalist and An Cosantóir have been submitted to the editor of TIO).
(I'm delighted that Aonghus managed to unearth this article. I saw it some years ago and tried to find it again for the IOA's 25th Anniversary celebrations, but without success - Ed.)

Coaching Corner

By Frank Ryan, IOA Coaching Officer

1. Courses for Coaches

The action plan for the coming year is to progress the coaching award scheme by inviting selected persons to progress to level 3 by attending a level 3 course in 1998. This will probably involve course contact time of about 3 weekends. Orienteering Level 2 Coaches who are interested in doing their level 3 should contact me early in the new year. Coaching Award Certificates were presented at the IOA AGM to 25 persons who had completed all their requirements and a further 34 people have been certified and accredited as level 1 or level 2 in November as follows:

Level 1 - Una Coghlan, John Fitzsimons, Raymond Holohan, Brian Keogh, Mary McGeady, Niamh McGrath, Patrick Neeson, Jeanne O'Gorman, Richard Phelan, Martina Prout, Mary Taylor, Mick Tracey,

Level 2 - Liam Convery, Ailbhe Creedon, Deirdre Creedon, Jenny Curran, Noel Donagh, Timmy Flavin, Nigel Foley-Fisher, Michael Grant, Padraic Higgins, Kathy Kirwan, Ted Lucy, Rory Morrish, Conchur Muimhneachain, Lindie Naughton, Robert O'Connor, Diarmuid O'Donghaile, David O'Donovan, Toni O'Donovan, Breda O'Farrell, Ita O'Hanlon, Daire Osborne, John Walshe.

Coaches have been sent their Coaching badges and they are encouraged to wear them on track suit top, sweatshirt or pullover. Certificates will be presented to the above at IOA AGM in 1998.

2. Courses for Orienteers

In co-operation with Coaching Officers in each region I intend to organise a coaching course for orienteers which will be open to everybody. The most suitable date has yet to be decided.

3. Incentive Award Colour Badge Scheme

The IOA Training and Coaching board has decided to launch an Incentive Award Colour Badge Scheme which will be aimed principally at young children and it is my hope that we can launch this some time in 1998. The aim of the scheme is to encourage persons to take up orienteering in school and continue by progressing up the colour ladder.

Round the Clubs ...

GEN NEWS

At our A G M in December we selected our committee without too many changes we welcome Andrew Butterfield and Simon Mc Cormack as our new recruits. Jane Watt has finally retired despite our best efforts to retain her services J D Clarke,Brendan Doherty and Andrew O'Mullane have also taken sabbaticals so we soldier on without them. We did manage to persuade our treasurer Jackie to continue but only for this year !!!!.,which reminds me anyone who wasn't at the meeting and have not paid their sub its now due so send it on to Jackie post haste.

We are still having problems getting a permit from Coillte for Ballinastoe so the Inter Club Challenge will be run in Pine Forest on Feb 1st, we will need everyone along to help and run on the day, if you can help contact Paul Nolan Chairman and Organiser on the day at 2605792 after 6p.m. If you cant help or be there contact him anyway with your excuse as he is expecting a full turn out of club members. Congratulations to Nick and Audrey on the birth of our latest M1 Eoin who made his orienteering debut on St Stephens Day and used it as his excuse to visit Lamb Doyles like the rest of us see full details in Genology. We extend our sympathy to David Quinn on the death of his mother . Finally I wish you all a very Happy New Year see you on Feb 1st.

Nora Lalor
Secretary G E N

Ajax Flash !

Happy new year to all our members and welcome to any new members who are now getting too numerous to name individually (a very healthy sign) . This should prove to be a pretty eventful year for Ajax, I'm sure you will all agree. Things have been pretty active during last year and will continue to be.

We have a few maps being re-done, currently Marley Park and Killiney Hill are ready to print, and we have definite plans for Saggart and Cloghleagh early this year, and who knows later in the year. Our next event is in early January on Killiney Hill, and after that we are running a Leinster league event in Cronybyrne in April. Many thanks to all of you who came out in great numbers to help out with the event on Raven's Rock in November despite the severe elements.

We are still training every Tuesday night, meeting at the running track in Belfield at 18:50, and taking it from there. Every standard is catered for so please don't be afraid to come along, the numbers are averaging 10/11 so far this year so why not make it 15/20 as a new year resoulution.

We have just established a web page: see it at http://ireland.iol.ie/~obrienbr/

Finally if you are on the orienteering super highway, please let us know...Mail Brendan O'Brien at BrendanO'Brien@AnPost.ie

3ROC NEWS

Happy New Year to all our members and to orienteers everywhere.

Our next **events** are the Phoenix Park on January 18th (planner John McCullough), the night-O event at Phoenix Park on Tuesday February 3rd (planner & organiser John McCullough), and the Leinster League events at Carlingford (March 22nd) and Glendalough (May 10th). As always, helpers are required for these events.

Interval **training** continues every Tuesday at 6.30 pm at Merrion Cricket Club, Anglesea Road; circuit training every Wednesday at 7 pm at Sion Hill sports hall, Merrion Avenue, interval training again on Thursdays at 6.30 pm at Merrion Cricket Club and hill training some Saturdays at 11.00 am at Killiney Hill car park (if there isn't a Business Houses cross country race on). Details from Nina 2605792) or Lindie, or just turn up.

Mapping: Revisions of Phoenix Park and a tidy up of the Pine Forest before final printing: contact Peter O'Neill for details.

Welcome to all our nre members and welcomeback to Justin May and Una Creagh who have returned from England and to Una Coghlan, back after a sojourn in Finland.

Finally, the bad news: your annual **subscriptions** are due! Expect the knock on the door in the dead of night ... and if you pay up you should be getting another **ROCKet** pretty soon too.

Report on the use of *SPORTident* ELECTRONIC PUNCHING

by Simon Errington and David Rosen

This does not contain a full system description of SPORTident. For more information, see the excellent analysis by Oliver Burrows (Eryri) or look at the SportIdent Web page: http://members.aol.com/ibriaes/ol-pun.htm.

As co-ordinator of the World Cup 1998 in the Lake District, one of David Rosen's concerns is to select a suitable electronic punching system. Electronic punching, whilst not mandatory, is the norm at World Cup Races.

WOC 99 in Scotland have similar concerns and Simon Errington has been asked by Tim Pugh, the WOC '99 Co-ordinator, to oversee electronic punching there.

Both Simon and David have other hats which have a bearing on electronic punching. Simon is the Chair of the BOF Technical Committee and David is a member of the IOF Event Standards Committee which is the body that can grant IOF Approval for new punching systems.

In July 97, a small demonstration set of SportIdent equipment was sent to David Rosen and some testing was done on it by Lakeland OC. A demonstration was set up at the Scottish 6-days.

Simon and David were present at WOC 97 in Norway. The Emit (formerly called Regnly) system was used for the WOC races and the Spectator races, and presentations were given during the week by both Emit and SportIdent. It was clear that although alternative systems were rumoured to be in the process of development, Emit and SportIdent are the only two that are far enough advanced to have a chance of being used at World Cup 98.

The Emit system is in widespread use in Norway and is clearly a useable system. However, it has not spread to other countries as quickly as might have been anticipated.

It was agreed that we would test the SportIdent system at LOK's short distance event at Wisley on December 13th. This would be one of a series of Test Events in various European Countries using SportIdent equipment, including one at the Curragh the previous week. SportIdent hope that, following these, they will obtain IOF approval for their system at the IOF Event Standards Committee in January '98. It was later decided to try the equipment at the Euromeet event at Great Tower.

2. FACILITIES AND EQUIPMENT

We used two PC's networked together and a fast laser printer. For back-up purposes, all results processing was duplicated on a portable PC. Two other PCs and a spare printer were also available but were not required.

Ideally, each runner's splits are printed out immediately after they finish. However, it was reported from a previous event that this had overloaded the printer buffer. Therefore, we decided to use one PC (the faster one) simply as a Printer Server.

Only in mid-October, SportIdent said that their two Swedish representatives wanted to come and help with the event. On Wednesday October 29th, Gunnar Larsson and Jan Olov Olsson arrived with the SportIdent equipment.

There were just two courses: Men 4.6 km with 15 controls and 260m of climb. Women 3.9 km with 11 controls and 22 m of climb. 7 controls were common, so 19 control sites were used. Both courses were of a similar shape, and included two crossovers. This would have required at least one manned control if a conventional punching system had been used.

It had been envisaged that we would only place one SportIdent Control Unit at each site. However, since they had enough, we actually placed two at each site. The control flag was hung on a trestle which normally had two pin punches on top. One of these was removed, and replaced by a SportIdent box. This was not entirely satisfactory, as the top bar of the trestle was too narrow to support the box. We had not had access to the trestles in advance, so had not had the opportunity to test this mounting. However, we had anticipated that this might be a problem and Jan Olov had cut 19 blocks of wood. These were bound to the bar and the box could then be strapped on reasonably securely. This was a bit "Heath Robinson" and not recommended for the future. One of the needle punches was left on the trestle and competitors could have punched their map had they found that the control box was not working. The second box at each site was attached to a special SportIdent metal trestle.

A test course with four controls was set up in the vicinity of the assembly area for competitors to try the system before their run. Jan Olov was on hand to provide explanation.

SportIdent supplied 199 E-cards - small fingers of plastic with the chip embedded and a loop of elastic to secure it to the finger. Each is labelled with the serial number.

SportIdent Equipment:

49 control boxes, 38 used as controls, 2 as Start Units, 2 as Finish Units, 1 as a Clear Unit, 6 for the test course. The boxes are 130 x 65 x 55 mm^3 in size with a hole right through in which the E-Card can be inserted. 199 E-Cards, 1 interface box, 19 metal stakes, Software: OL-Einzel, OL-Code, Siman.

We were very fortunate to have the facilities at Great Tower Scout Camp. The finish was at the entrance to a large open-sided shelter with a concrete floor. This had tables, mains power and lights. At one end there was a large noticeboard which was used for pinning up the results sheets.

ADVANCE PREPARATION

On the Thursday evening, the list of entries was received by e-mail from Graham MacIntyre. Using OL-Einzel, David first prepared a start list with 110 men's and 89 women's spaces. He then entered the names and countries which took about 90 minutes.

The control codes for each course were entered, and the control units were programmed via the interface unit. With one person plugging and unplugging the units, this process took only about 15 minutes to program all 49. The units were programmed to wake up at 10.00 a.m. the next day, and switch off at 5.00 p.m. (We actually also did a test run that evening to check that they were all working OK and that the courses were programmed in correctly).

We prepared one envelope for each team containing some simple instructions and a questionnaire for each competitor, along with their E-cards and a list showing the number of the E-card to be given to each person.

MODE OF OPERATION

There are several different ways to operate the system and the software.
One can simply use the system for punching, and use manual timing for start and finish. If one does that, it is preferable to have a finish unit in the finish funnel which is used purely for sequencing and carries out the function often done with raffle tickets.
One can use a punching start and a manual finish.
One can use ordinary start and punching finish.
One can use full electronic timing, with a punching start and finish. This has the disadvantage that competitors have to punch as they finish, rather than sprinting over the line, but has the great advantage of simplicity. No interface is needed between a manual timing system and the SportIdent one - when a competitor has finished, all the timing data is held in the E-card.

David decided, for this first ever major trial in Britain, to go for simplicity. Full electronic punching also meant that software does not need to be told the start times.

LATE ENTRIES

A few local orienteers turned up to test run the courses. They started from 1 p.m. whilst the Euromeeting runners started from 2 p.m. to 3.30 p.m. These late entries were taken by the results processor who entered their names and ticked the 'non-competitive' flag.

START

The start interval was one minute so there was a period of about an hour with one man and one woman starting at each minute. At the start, competitors were called up at -2. At -1 they moved forward and were made to clear their E-card, a process that takes about 6 seconds per card. This clears all punching and timing data, and, in the mode we were using, writes the card's serial number into the start number field. At the start bleep, the competitors punched the start unit which bleeped and they then took their map and set off. The start unit writes the start time into the competitor's E-card.

A manual back-up timing system was being operated by Graham MacIntyre. To ensure that this had some meaning, the start official actually took the competitor's finger with the E-card and inserted it into the start unit for them at the start bleep. It was slightly inelegant but it worked OK.

The start arrangement was not ideal for a number of reasons. The main problem was that the women's start control was on the left of the competitor. Since most runners carried the E-card on their right hand, this meant that to punch the start control you had to reach across your body. At the same time you were trying to pick up your map from the table in front of you, using your left hand. This felt very awkward. A better solution would be to leave more space around each start control, so they can be accessed from either side, and to place the maps a few metres after the start line.

It would also be more satisfactory if the competitor was allowed to punch at the start control without interference from the start official. Competitors will soon work what to do, but it was felt that for this race it was important that there were no problems with competitors failing to punch.

All these issues associated with punching at the start are only a potential problem when the system is also being used to time the runners. If a separate timing system is in use, or if start times are read from the start list rather than the E-card, then there is no need to punch at a start control.

The system relies on a competitor carrying the correct E-card. It is not clear that this was being checked at the start. Such checking must be rigorously enforced.

AT EACH CONTROL

At each control, the control unit writes the control code and the time into the E-card. It actually does this in 3 stages: Read the card, write the information into the next available memory location, and reread the card to verify the information. After this, it bleeps and flashes a light to indicate successful punching.

Observations of runners punching showed that they found the system easy and quick to use.

A problem arose with the punch unit at the final control, when the strap became loose and the unit slipped round to be vertical rather than horizontal. This was cured by tightening the strap. However, this seems to indicate the competitors do apply a significant force to the control unit when punching. The problem will be solved when a standard mounting unit is developed.

All controls were configured to produce a bleep and a light to indicate a successful punch. Most said that they took absolutely no notice of the light. The bleep is usually easy to hear, and provides a clear indication.

Standing 5 metres from the final control it was not possible to hear the bleep when a competitor punched, even with relatively little background noise. The chances of being led into a control by the bleep therefore seem very small.

FINISH

At the finish, two control boxes were placed on a wooden trestle provided by SportIdent. This just sat on the ground which was useful as the finish line was on tarmac. An official supervised the finish control to ensure that competitors did indeed punch. SportIdent say that the accuracy of the internal clocks is good enough to allow two finish clocks to be used in this way. They were synchronised (to the PC clock) the previous night and had been kept in identical conditions since then. It would be reassuring to see some data on the accuracy of the internal clocks.

Some competitors found it difficult to stop quickly enough at the finish control. It didn't help that there was a sharp bend in the run-in just before it. Ideally, a punching finish would be at the top of an uphill run-in. It should also have space behind it.

RESULTS PROCESSING

After the finish line, an official relieved the competitor of map and E-card. Several runners had used tape of various sorts to fix the E-card to their hand, or in one case, to a compass. Removing the tape could take some time.

The E-card was then handed to the results processing official who placed it in the interface unit. The computer automatically reads the card and indicates straight away whether the competitor has punched OK. After every five or six competitors, the print icon is clicked to produce a print-out of their split times. About every 15 minutes, a complete results list was produced.

As a back-up, the E-cards were also read into a separate PC. This was running the Siman software, but it was interfaced to the Swedish ìSpeaker Softwareî that SOFT has issued to every Swedish club.

This result processing official was actually Jo Smith who had turned up minutes before the first start and asked if she could help. After only a few minutes instruction, she was able to take late entries and operate all the results processing including hanging the results. There was no need for the normal time calculation and punch checking team.

Results were stapled onto wooden boards. This was not ideal, and some thought needs to be given to a suitable results display system.

We hadn't fully understood about the evaluation part of the software. This enables one to look in detail at a competitor's E-card and to see any partial punches. The OL-Code software provides the printout of split times and shows any mis- or double-punching. We have suggested to Stephan Kramer, the author of the software, that a small improvement would be to take the second of two punches as the definitive one.

The data for an event can be backed-up in a matter of seconds to a floppy disc or a networked computer.

COMPETITOR FEEDBACK

A total of 81 men and 60 women took part in the race (not counting the non-competitive runners). The field was extremely strong, with elite teams from Norway, Sweden, Denmark, Finland Switzerland, New Zealand and Ireland, a very large British team, and representatives from Austria, Czechoslovakia, Australia, Bulgaria and Spain. Amongst the famous names were Lucie Bohm, Jorgen Martensson, Steve Hale and Yvette Hague.

At the finish, the conversation was about the mistakes that had been made out on the course - most people seemed to accept the punching system very easily.

33 questionnaires were returned. The majority were very positive. The Swedes and Danes in particular liked it; the Norwegians were the least keen. The small size of the E-card was appreciated and most liked getting the audible confirmation of punching. A few felt that the system is ìtoo slowî to register a punch.

Close analysis of the data in the E-cards shows that about 5 people punched twice at a control - in some cases only partial data was present from the first punch indicating that they had removed the E-card too quickly the first time. One person was disqualified for visiting the wrong control (and failing to visit the correct one).

Three people (one British man, one British woman and one Swedish woman) were disqualified for failing to register a punch at a control (a different one in each case). They were each interviewed and each admitted that they may indeed have not waited for the bleep. In no case did they wish to claim that they had heard the bleep which might indicate an electronic failure. This level of mispunching perhaps is to be expected on the first exposure for competitors to a new system. It is certainly important to emphasise to competitors that they must get the bleep to be sure that they have punched correctly.

CONCLUSIONS AND SUGGESTIONS

The system was given a very severe test and proved that it is indeed a viable alternative to Emit. SportIdent are using the result of this event and the other test events this Autumn to make final improvements to the software and hardware - the pieces of equipment we used were esssentially prototypes. In December, they intend to start producing the final versions of the equipment.

For events up to and including Badge standard, the full electronic timing option is very suitable. A back-up timing system is probably not necessary - one can tell immediately if the start or finish units stop working as they will no longer bleep. It is probably sufficient simply to have a spare unit in reserve. For more prestigious events and relays where it is desirable that competitors run through the finish, the system can just be used for sequencing. At the start, a start unit is not necessary provided the start times are entered in the software, and that all the timing systems are synchronised.

This event supported our view of the potential superiority, on balance, of SportIdent over Emit.

The event at Wisley will provide further experience of the system, and provided that is successful and that no major insuperable problems are uncovered at any of the test events, we suggest that (subject to the system gaining IOF Approval in January) we proceed to use the SportIdent system at World Cup 98 in the Lake District. Between now and then, we should take every opportunity to practice using the equipment at events.

We have considered the two systems, and in our view, SportIdent has more potential than Emit. The main advantages are:

SportIdent gives positive feedback of successful punching to the runner (in the form of a bleep and/or a light).

SportIdent punching is rotationally symmetrical - unlike Emit where the ëbrick' has to be placed in the correct orientation. This means the SportIdent punching process involves less contortion to ensure that the brick is the right way round. The SportIdent system comes with some excellent software packages.

The SportIdent E-card (equivalent to the Emit "brick") is very small and simple. It has no battery, the power being supplied by induction from the control box. Thus, once encased in plastic, it should have a virtually indefinite life. The control units have replaceable batteries. Compare this to the Emit controls and bricks which have sealed-in batteries which run down in about two years. The units then have to be replaced.

The SportIdent manufacturers are very keen to improve and develop their system in response to comments from testers.

The SportIdent box has the potential to be linked to a radio transmitter which could automatically transmit information about the progress of each runner.

The total cost of the system is expected to be lower than for Emit. This becomes a significant consideration if a large-scale adoption is anticipated, because of the lower cost and longer life of the E-cards compared to the Emit bricks.

Possible disadvantages of SportIdent compared to Emit are:

SportIdent takes longer to punch. However, because SportIdent punching is simpler, the throughput may be very similar.
Emit is a tried and tested system.
The Sport Ident control box is larger and less robust than Emit's equivalent.
The SportIdent system does not yet have IOF approval.

Simon Errington

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Results of UCDO ev[illegible], Belfield, Dublin, 12th October 1997.

SHORT COURSE

1	Conor Short	CNOC	M5	18.14
2	Ruairi Short	CNOC	M10	18.40
3	Eimear Fitzsimons	3ROC	W11	18.45
4	Jason M	OBCS		18.52
5	Sam Brady	OBCS		18.55
6	Dominic	OBCS		18.57
7	UNKNOWN			20.35
8	Jonathon Lynch	Inchicore		21.37
9	M Carrigan	Inchicore		21.37
10	Orla Howe	Inchicore		21.45
11	D Mullen	Inchicore		21.45
12	Nicola Halford	Inchicore		21.45
13	Eve Talbot	Inchicore		22.20
14	D O hEafa		M10	23.46
15	C O hEafa		M10	26.24
16	Ian Connolly			29.28
17	Laura Bates	OBCS		30.26
18	Alison Mansfield	Old Bawn		31.27
19	M Kelly	GEN		36.50

MEDIUM COURSE

1	C Carey	3ROC	W35	14.53
2	Patrick Roycroft	Stano	M17	18.15
3	Alan Mooney			18.24
4	D Gordon			19.17
5	Tom Keane	GEN		21.37
6	Jennifer Butler	3ROC	W18	23.14
7	Susan Dempsey			25.38
8	Ted McCormack	GEN	M12	27.32
9	Laura Murray			27.36
10	M Reid		W21	28.47
11	Toni Butler	3ROC	W50	31.22
12	Raymand T	DLSO	M14	32.45
13	Garrett Greene	DLSO	M14	34.20
14	Deirdre,Yvonne,Jane	GEN	W12	36.45
15	B Caffery	NJC	M12	37.25
16	K McEvoy	NJC	M12	37.55
17	Jean Mullen	3ROC	W60	37.57
18	Peter Larkin	3ROC	M10	39.37
19	Tommy Breen		M10	39.42
20	Aimee Doyle	WEGO	W10	40.42
21	Ronald Weedle	GEN		42.57
22	M Joyce		W21	44.55
23	R, H & H Knott			44.58
24	Niall Brennan		M14	50.30
25	S Reilly			52.51
26	Danny Madigan			52.51
27	Hannah Scaife			59.27
28	Ronan Scaife			59.27
	Raymond Traynor	DLSO	M14	MP5
	Paget McCormack	GEN	M10	DNF
	Ciaran	NJC	M12	DNF
	Christopher Bond	DLSO	M14	DNF

LONG COURSE

1	David Brennan	3ROC	M35	32.37
2	Peter Mork			34.07
3	D Quinn	GEN		35.42
4	B Bell	GEN	M40	36.27
5	T McCormack	GEN	M45	39.15
6	J Fitzsimons	3ROC	M45	40.24
7	P McCormack	GEN	M55	41.09
8	Eamon McGinley	AJAX	M21	42.04
9	Kevin Carey	3ROC	M40	42.28
10	Gordon Elliott	3ROC	M21	46.07
11	A Butterfield	GEN	M35	47.11
12	Robert Boyle	Stano	M17	47.34
13	Jon Dean	UCDO	M21	51.01
14	Brian McArdle			51.47
15	S OíShea	GEN	M35	55.33
16	B Greene	3ROC	M18	55.53
17	David Madigan	3ROC		56.54
18	Brian King			61.05
19	Deirdre King			61.06
20	Hazel Graham			63.31
21	Deirdre Murphy	UCDO	W21	64.00
22	S McEvoy	AJAX	W21	66.22
23	Niall English	UCDO	M20	66.48
24	Luke McCormack	GEN	M14	70.03
25	Paul Dunne	WEGO	M40	76.16
26	D Uí Ghoibin	GEN	W21	82.19
27	Gareth Lawlor		M25	85.21
	E OíConnor			DNF

SCATTER COURSE

1	R Lynam	CNOC	W40	35.20
2	Michael Galligan			35.49
3	Wyn McCormack	GEN	W45	39.49
4	Don Short	CNOC	M40	40.22
5	A McCormack	GEN	W50	52.01
6	Aine Joyce	GEN	W21	53.07
7	P Cooke	AJAX	W60	54.29
8	J McElwain	3ROC	W21	54.38
9	N Lalor	GEN	W40	56.37
10	John Crowley			57.27
11	S McCormack	GEN	W20	66.55
12	Mary Burke			69.08
	B Hollinshead MP12	3ROC	M55	37.38
	Fachtna Healy MP19	SET	M21	43.01
	Simon McCormack DNP	GEN	M18	45.19
	Michael Butler DNP	3ROC	M55	50.04

Results 3ROC event PINE FOREST, 26/10/97 Leinster League 2

BROWN

1.	M40	J.May	3ROC	73:51
2.	M21	B.O'Brien	AJAX	76:16
3.	M40	B.Bell	GEN	87:32
4.	M21	M.Flynn	AJAX	87:35
5.	M45	P.Gargan	AJAX	100:04
6.	M40	K.McDonald	AJAX	100:51
7.	M21	B.O'Connor	AJAX	102:22
8	M40	G.Brady	CORKO	103:12
9.	M20	P.McNamara	DUO	103:24
10		P.Hellstedius		106:25
11		P.Moir		113:23
12	M16-	L.Crawford	3ROC	114:49
	M40	S.O'Boyle	CNOC	DNP 20
	M21	Ed.Niland	AJAX	DNP 17
	M21	L.Donovan	AJAX	MP 16 17
	M21	T.Joyce	AJAX	DNF

BLUE

1	M21	A.Lawlor		76:50
2.	M40	D.Cashin	AJAX	78:27
3	M21	P.Casey	GEN	79:52
4	M21	A.Thin	UCDO	82:44
5	M18	A.Quinn	3ROC	87:14
6	W21	E.Glanville	3ROC	88:16
7	M35	A.Tucker		93:15
8	M21	A.O'Mullane	GEN	95:56
9	M35	B.Cryan	3ROC	96:43
10	W40	R.Lynam	CNOC	102:18
11	M35	M.Mangan	SET	103:51
12	M21	B.Jones	DUO	106:16
13	M21	J.Dempsey		107:09
14	M45	E.Niland	AJAX	111:33
15	W21	A.Creedon	DUO	114:52
16	M20	F.Buckley	DUO	115:25
17	M21	A.Ayling	DUO	119:40
18	M35	D. Brennan	3ROC	121:39
19	M50	B.Doherty	GEN	122:30
20	M21	E.Dunne	3ROC	124:36
21	M35	A.Butterfield	GEN	139:01
22	W21	D.O'Neill	FIN	144:02
n/c	M45	P.Healy	CNOC	125:51
n/c	W16-	D.Healy	CNOC	129:53
	M21	R.Lyons	DUO	DNP 1
	M21	G.Elliott	3ROC	DNP 15
	M21	D.Kelly	FIN	DNP 17

D.UiGhoibin, M.O'Rourke, M.McLean, B.Lawlor, E.O'Shea, D.Quinn, C.Burns, G.Butler, P.Lalor, T.O'Keefe, D.English, C.Fletcher, J.Keatinge, A.Coard, R.Wallace DNF

GREEN

1.	M55	P.McCormack	GEN	54:41
2.	W35	O.Cooke	AJAX	58:42
3.	M45	J.deLacy	AJAX	63:17
4.	M45	B.McGrath	3ROC	65:55
5.	W45	W.McCormack	GEN	67:05
6.	M50	T.McGrath	3ROC	67:57
7.	M	V.Andersson	DUO	68:23
8.	W50	J.O'Neill	FIN	69:09
9.	M35	D.Wickham	AJAX	71:59
10.	M50	H.White	3ROC	72:06
11.	M40	V.Jones	FIN	72:22
12.	M35	A.O'Cleirigh	CNOC	72:44
13.	M40	K.Carey	3ROC	74:06
14.	W18-	S.Healy	GEN	75:35
15.	M21	C.Nugent	UCDO	78:48
16.	W50	C.Bent	SET	84:14
17.	W40	A.M.McKenna	AJAX	87:06
18.	M35	P.Donlon	3ROC	87:42
19.	M60	M.Dooley	CNOC	87:53
20	M40	J.Francis		88:45
21	M55	M.Butler	3ROC	88:51
22	M60	P.Walsh	SET	89:10
23	M45	S.Murray	SET	92:38
24	W50	G. Power	3ROC	95:01
25	M50	E.O'Suilleabhain	3ROC	95:02
26	M45	D.Barry	GEN	95:37
27	M55	J.Bent	SET	96:04
28	M21	T.Farrell		100:28
29	M55	M.Kellett	GEN	110:04
30	W21	D.Murphy	UCDO	119:03
31	W50	AMcCo...ack	GEN	119:38
32	W21	A.Joyce	GEN	154:13
		B. and D. King		119:15
	W21	C.Butler	DUO	MP 7
	M45	J.Fitzsimons	3ROC	MP 2
	M60	A.Bonar-Law	GEN	DNP 14

R.Wall, M.McDonald, R.McDonnell, M.Galligan, K.Burten..., J.Russell / B.Barrable DNF

Light Green

1.	M14	D.Healy	GEN	35:11
2.	W55	H.Convery	3ROC	43:47
3.	M45	B.Power	SET	50:45
4.	M18	B.Greene	3ROC	52:49
5.	M14-	N.Walsh	3ROC	52:56
6	W21	J.McElwain	3ROC	57:16
7.	M55	J.Clarke	GEN	61:18
8.	W45	F.O'Neill	SET	66:26
9	M17	C.McMahon		66:46
10	M18-	S.O'Sullivan		67:12
11	W14-	S.Nowlan	3ROC	67:57
12	W18	B.Bent	SET	68:46
13	W21	C.Morrison	AJAX	69:31
14	W35	C.Carey	3ROC	71:54
15	M65	S.Rothery	3ROC	73:09
16	M21	J.Kullmann	UCDO	73:12
17	M35	G.Rice	SET	74:36
18	W21	K.Thompson	DUO	76:30
19	W55	M.Higgins	SET	77:55
20	W21	A.M.C-Kelly	FIN	79:38
21	W45	C.McGrath	3ROC	83:07
22	M35	S.O'Shea	GEN	86:14
23	W55	C.Walsh	3ROC	87:01
24	M50	B.O'Neill	SET	87:33
25	W21	N.Hutchinson	3ROC	87:47
26	M70	J. Lynam	3ROC	90:50
27	W50	T.Butler	3ROC	101:12
28		B.Chambers		105:03
29	W55	V.Murtagh	3ROC	139:31
30		E.Daly	UCDO	149:54
		R.Mooney / D.Quinn		66:39
		P. and P. Larkin		81:55
		J. and M. BuggieCNOC		82:04
		M.Irvine / G.Cahill		107:36
		E. and J.Chambers		123:34
		B.McArdle		DNP 2
		S.Dempsey		DNP 2
	M35	P.Fox		MP 8

L.Quill, T.Keane, N.Doherty, S.Kennedy, L.Bates, A.Kelly, D.Dare, ?. Connolly, R.Kleparis, D.Borly, James W?? DNF

RED

1.	M18-	P.Roycroft	STANO	37:00
2	M21	J.Dore		50:12
3	M18-	C.Blan	UCDO	51:35
4	M18-	D.Jones	DUO	57:33
5	W	F.Lynch	SET	62:06
6		J.Murphy		62:20
7		D.Brennan		86:22
8		M.Barry		86:53
9		J.Nealon		88:06
10	W40	R.Reidy		108:44
11	W50	D.Power		111:23
12	M65	P. Cooke	AJAX	112:36
13	M20-	N.English	UCDO	155:49
		P.Swift / R.vanRijswijk		73:21
		B.Heerey / N.Reinhart		96:20
		A.Mooney / K.Mooney		105:20
		E.Zweep, R.Urha		DNP 1
	Petra ?,	A.Hamelink, R.Oolvink		DNP 5
		M.Nienweher		MP 5
		?.McCormack	GEN	DNF
		B.Walsh, M.Jones		DNF

ORANGE

1.	M14	A.Burke	GEN	25:03
2.	M14	A.Bell	GEN	28:26
3.	M12	T.McCormack	GEN	32:17
4.	M21	D.Fard-Yazdani	DUO	33:55
5		P.Fitzgerald		35:05
6		T.Flanagan		37:15
7		C.O'Mahoney		44:19
8		B.Herihly		45:51
9	M10	R.Short	CNOC	45:57
10	M21	J.Stock	DUO	46:10
11	W19	M.Hayes	DUO	46:15
12	W18	M.Glynn	DUO	46:16
13		D.Monaghan		47:09
14	M21	S.Coffey	DUO	47:37
15	W20	R.Naughton		47:53
16		S.McDonnell		49:12
17	W20	M.Middleton	DUO	50:12
18		G.Carney		50:29
19	M12	D.Niland	AJAX	50:37
20	M21	T.Maher		51:59
21	W19	L.Cheun	DUO	58:13
22	W14-	L.Hughes		60:30
23		C.Short	CNOC	64:20
24		C.Ellis		66:16
25		P.O'Brien		69:16
26		D.Carney		75:59
		J.Tully?/A.Sadler/D.Walsh		41:05
		G.Goern/P.Lass/Bourdet		43:35
		D.Brennan / A.Cullen		44:13
		M and S Grennan		44:41
		D.Dillon / B. Traynor		47:49
		S.Megies / A.Hassan		48:13
		A.Clavin / M.Costello		48:19
		R.Hughes / R.Lysaght		53:42
		D.Ryan/T.uiM		60:08
		M.Uppelschoten/M.Vogel		60:22
		S.Cullen / M. and R.Ellis		60:41
		I.Meiting / k.Nagusdewalie		62:45
		Whyte Family		69:57
		E. & L Pye		71:48
		E.Donlon		DNF

Yellow

1.	M10	S.O'Boyle	CNOC	22:33
2.	M14	G.Green	DLSO	30:14
3.	M14	R.Traynor	DLSO	30:28
4.	M10	P.McCormack	GEN	30:53
5.	W20	S.McCormack	GEN	32:22
6.	W10	K.Power	SET	37:18
7.	W12	D.Bell	GEN	39:30
8.	M14-	C.Bent	SET	39:59
9		?.Knott		42:25
10		S.Dempsey		49:51
11	W18	J.Butler	3ROC	52:10
12		R.Wheedle	GEN	59:33
		S. & D? Larkin	3ROC	32:22
		E. & H.Jones/C.Maguire		44:27
		E. & C McCullough3ROC		49:48
		B. and C.Mangan		58:38
		A. and E.Hobson		60:53
		Kelly Family		70:38
		?.Rivney		DNP 3
		S.Reilly		MP 6

Results of Ravens Rock LL November 23, 1997. Organised by Ajax Orienteers

Brown Course 8 km, 300m

1	Colm Rothery	AJAX	M35	73.22
2	Justin May	3ROC	M40	78.01
3	J. McCullough	3ROC	M40	89.05
4	H. McLindon	3ROC	M21	97.40
5	B. Bell	GEN	M40	99.39
6	Leo Donavan	AJAX	M21	108.01
7	G. Brady	CORKO	M40	113.28
8	Denis Reidy	AJAX	M45	140.44
9	John Devitt	7FAR		144.25
	Dave Doran		M21	DNF
	Senan O'Boyle	CNOC	M40	MP11
	Patrick Casey	GEN	M14	MP11
	Paul Nolan	GEN	M21	MP11

Blue Course 6.2 km, 225 m

1	D. Cashin	AJAX	M40	63.37
2	Andrew Quinn	3ROC	M19	64.54
3	Colin Burns	AJAX	M21	75.00
4	Liam Quinn	SET	M35	77.02
5	John Dempsey	GEN	M21	82.00
6	Nigel C-Crawford	3ROC	M50	85.23
7	Paddy O'Brien	AJAX	M45	86.13
8	David Brennan	3ROC	M35	86.39
9	Mick Mangan	SET	M35	90.02
10	Tom McCormack	GEN	M45	90.05
11	Gerard Butler	3ROC	M18	90.44
12	Ruth Lynam	CNOC	W40	91.00
13	Eoin Dunne	3ROC	M21	91.36
14	Joe Lalor	GEN	M40	95.36
15	Joan Flanagan	AJAX	W35	96.01
16	Don Short	CNOC	M40	97.00
17	F. O'Brien	AJAX	W21	97.32
18	Paul Dunne	WEO	M40	101.16
19	Brendan Cryan	3ROC	M35	102.30
20	Gordon Elliott	3ROC	M21	103.40
21	Monica Nowlan	3ROC	W45	107.12
22	S O'Heafa	AJAX	M35	108.44
23	Jim O'Donnell			110.12
24	O'Donnell			110.12
25	Richard Lowe			110.12
26	P. Lalor	CNOC	M55	112.22
27	Brendan Doherty	GEN	M50	113.07
28	Jane Watt	GEN	W45	115.45
29	N. Cormack	CNOC	M21	116.08

30 Deirdre O'Neill	FIN	W21	128.01
31 Davin Butler	CNOC	M50	134.19
A. Goddard	3ROC	M50	DNF
Rory Wallace	AJAX	M21	DNF
G. Evans	CNOC	M21	MP10
Andrew O'Mullane	GEN	M21	MP10
Susan Reid	GEN	W18	MP12,13
R. Garrett	3ROC	M40	MP3

Green Course 4.7 km,160m

1 B. O'Neill	CNOC	M45	51.00
2 Orla Cooke	AJAX	W21	51.17
3 Luke C-Crawford	3ROC	M16	52.34
4 Niall Walsh	3ROC	M14	57.22
5 R. McDonnell	GEN	W35	57.42
6 P. Healy	GEN	M14	60.30
7 R. Russell	AJAX	M21	62.07
8 Bohan	CNOC	M21	62.16
9 Ted McGrath	3ROC	M55	62.43
10 W. McCormack	GEN	W45	64.08
11 Mick Kellett	GEN	M55	64.55
12 Niall Browne		M20	65.26
13 A. Bonar Law	GEN	M60	65.33
14 Liz Butler	CNOC	W18	66.00
15 Claire Walsh	3ROC	W50	66.40
16 John Francis	DFO	M40	67.20
17 Aine Ni Shuilleabh	3ROC	W45	68.14
18 Keith Daly		M20	68.26
19 Frank McCormack	CNOC	M60	68.46
20 O'Hearcain	AJAX		70.44
21 Trevor Fisher	CNOC	M21	71.51
22 D. O'Colmain	GEN	M45	72.12
23 Jean O'Neill	FIN	W50	72.48
24 H. Dooley	CNOC	M60	73.08
25 B. Lawlor	CNOC	W21	80.12
26 Michael Butler	3ROC	M55	81.29
27 Kevin Roche	CNOC	M21	82.18
28 A. McKenna	AJAX	W40	85.35
29 C. Lally	DFO	M21	86.20
30 Ger Power	3ROC	W45	90.52
31 Colm McMenamy		M35	92.36
32 Debet/Donavan	France	W21/M35	98.58
33 John Brown		M21	103.43
34 Aine Joyce	GEN	W21	113.53
35 Nadya Dunne	3ROC	W21	121.40
L. Naughton	3ROC	W40	DNF
Tom Clear		MP14,15	
Paget McCormack	GEN	M55	MP9

Light Green Course 3.7 km, 125m

1 Mary O'Connell	3ROC	W35	51.16
2 Jenny O'Connor	Shack	W21	55.05
3 Sybill McCormack	GEN	W20	57.00
4 Sheila Nowlan	3ROC	W14	60.15
5 D. Nagle	3ROC	W45	65.01
6 Stephen Doorley	UCDO		65.17
7 Luke McCormack	GEN	M14	65.20
8 David Dara			65.33
9 Sarah Butler	CNOC	W14	66.45
10 Andrea McCormack	GEN	W50	66.48
11 Sean Rothery	3ROC	M65	70.04
12 Jim Barrett	CNOC	M60	70.35
13 Helene MacInerney	CNOC		70.49
14 Claire Walsh	3ROC	W55	73.48
15 Nora Lalor	GEN	W40	74.39
16 J. McElwain	3ROC	W21	74.40
17 P. Fox		M35	78.03
18 Maura Higgins	SET	W55	88.15
19 T. Flanagan	Navy		89.40
20 Vera Murtagh	3ROC	W55	96.50
21 Damian Leonard			99.05
22 Derek Guilfoyle	Shack	M21	115.05
23 Nicola Simpson	Shack	W21	115.05
24 B. Herlihy			117.00
25 Toni Butler	3ROC	W50	147.00
26 John Chamhan			148.30
Nora Doherty	GEN	W50	DNF
M. Reid	W21	DNF	
Ronan Kernan	GEN	DNF	
Mairead Joyce		W21	DNF
B. Greene	3ROC	M16	MP5

Red Course 4.3km,130m

1 Des Higgins			57.40
2 P. Cooke	AJAX	M60	99.47
3 Michael O'Shea			107.48
4 Mick Galligan	M35	76.10	
Gavin Hegarty			DNF
Simon McCormack	GEN		DNF
Mary O'Colmain	GEN	W45	DNF
Graham Porter	GEN	M45	DNF

Orange Course 3.3km, 90m

1 J. Grace	AJAX	M21	34.55
2 A. Bell	GEN	M12	37.01
3 A. Burke	GEN	M12	37.11
4 G. McQuillan	AJAX	M18	43.00
5 P. Drennan	AJAX	M18	43.05
6 Sean Hassett	SET		44.14
7 June O'Neill	CNOC	W14	49.08
8 Niall Stringer	AJAX	M21	52.17
9 Conor McMenamin	AJAX	M18	53.14
10 Stephen Devlin	GEN	M12	57.25
11 Tony Devlin	GEN	M45	57.55
12 Niamh Lalor	GEN	W14	61.26
13 Ted McCormack	GEN		65.56
14 Chick & Guy (!)			66.30
15 Maeve Barry			75.30
16 Ronan Dorrepaal	SET	M10	86.02
17 Brian Larkin		M10	86.02
18 Noel Larkin		M35	86.35
Shane Lynch		M18	MP1

Yellow Course 2.5km,75m

1 Garrett Greene	DLSO	M14	29.33
2 Claire O'Neill	CNOC	W12	38.48
3 Conor McMenamin	AJAX	M18	41.10
4 N. Stringer	AJAX	M21	41.16
5 J. Grace	AJAX	M21	41.16
6 Drennan	AJAX	M18	41.40
7 G. McQuillan	AJAX	M18	41.50
8 Christopher Bond	DLSO	M14	46.45
9 David O'Dwyer	DLSO	M14	48.54
10 Ben Redohan		M10	49.25
11 C. McDonaghByrne	DLSO	M14	52.30
12 H. R. Leah	AJAX		53.00
13 Elizebeth Chambers	W10	56.52	
14 B. Chambers			57.00

15 Seamus O'Boyle	CNOC	M10	57.07
16 C. Cashin	AJ.	W10	59.52
17 Stephen Larkin	3ROC	M5	62.43
18 Daniel Carney			73.07
19 Gavin Kearney			75.20
20 A. Murnanne			85.40
Chris Redahan		DNF	
Mary Healy	GEN	W40	DNF
Danny	MP1		
Sara	MP1		
E. Hobson	MP1		
Aobheann Hobson	MP1		
Sean Redahan	M10	MP4,6	
Peter Larkin	3ROC	M10	MP4,6
Paget McCormack	GEN	M10	MP5
Nial Quinn	SET	M12	MP6

Organiser: Brendan O'Connor
Planners: John de Lacy
Kieran McDonald
Controller: Brendan O'Brien

Thanks to the land owners & Coillte for access, and to all who helped on the day: Pat, AnnMarie, John, Kieran, Jimmy, Damien, Donal, Catriona, Martin, Joan, Peter, Paddy, Colm, ... and a special thanks to the AA for rescuing me from the forest at 7.15pm ! BO'C.

Leinster League event, Curragh, Co. Kildare, Dec 7th 97.

The first 10 on the Brown course have their split times displayed - the first figure is the total time, then a split time for each leg. The complete results ran to many pages. Contact Noel Donagh by e-mail or send a stamped, self-addressed envelope if you'd like a copy. Noel Donagh, Barrybeg Lodge, Barrybeg, Athlone, Co. Westmeath)

BROWN

1 B.O'Brien 45.41 1.42 1.39 1.20 0.51 1.16 1.55 2.14 1.35 0.43 1.20 1.18 2.09 2.56 2.04 2.18 3.53 1.38 1.32 1.47 1.31 4.40 2.45 1.24 1.04 0.07

2 J.Feehan 45.46 1.57 1.39 1.23 1.00 1.12 1.26 2.04 1.34 1.44 1.31 1.31 1.43 2.50 1.31 2.15 3.56 1.40 1.36 1.41 1.34 4.47 2.45 1.18 1.02 0.07

3 C.Rothery 47.00 1.52 4.42 1.01 0.53 0.57 2.10 1.56 1.32 0.44 1.29 1.15 1.26 2.45 1.24 2.12 4.05 1.31 1.34 1.44 1.32 5.12 2.37 1.26 0.54 0.07

4 P.Nolan 49.24 1.35 1.51 1.06 0.58 1.10 3.35 1.48 3.09 2.04 1.11 1.16 2.03 3.00 1.44 2.34 3.41 1.46 1.34 1.36 1.41 4.39 2.54 1.24 0.59 0.06

5 M.Flynn 54.59 1.57 1.59 1.30 1.00 2.17 1.24 2.10 1.56 1.18 1.51 1.53 2.22 3.59 2.08 2.37 4.47 2.08 2.00 2.27 1.49 5.11 3.09 1.56 1.03 0.08

6 J.McCullough 57.04 2.01 2.12 4.41 1.06 1.42 2.00 2.10 1.49 0.52 1.52 1.46 3.36 3.11 2.03 2.34 4.18 2.03 1.59 2.12 1.47 5.11 3.08 1.34 1.10 0.07

7 G.Brady 57.41 1.53 2.07 1.43 1.15 1.36 4.01 2.24 2.49 1.35 2.09 1.32 2.16 3.30 2.04 2.57 4.01 3.03 2.08 1.39 1.46 4.41 3.50 1.28 1.06 0.08

8 J.Casey 59.26 3.55 6.01 2.41 1.06 1.16 2.07 2.35 1.58 1.03 1.32 1.28 3.31 3.34 1.37 2.28 4.00 3.39 1.40 1.46 1.42 4.47 2.32 1.19 1.03 0.06

9 P.McNamara 60.00 1.41 2.31 1.39 1.19 1.42 1.56 2.45 1.57 1.03 3.46 1.47 3.31 4.21 2.14 2.59 4.21 2.58 2.09 1.53 1.48 5.19 3.17 1.43 1.12 0.09

10 B.Delaney 61.38 2.19 3.10 2.23 3.22 2.08 1.05 2.19 5.10 0.56 3.09 1.40 2.18 3.59 1.46 2.30 4.30 3.30 1.34 1.47 1.37 5.01 3.08 1.11 0.57 0.09

11	D.Weston	62.18
12	T.Joyce	66.55
13	B.Bell	68.30
14	J.Muckian	69.37
15	Z.Foley Fisher	69.47
16	P. Brennan	85.26
17	D.Doran	94.38
	G.O'Grady	dwc

Blue 7.100 km 150 m 18 C

1	A. Quinn	44.21
2	D.Cashin	47.25
3	A.O'Mullane	47.27
4	P.O'Brien	48.26
5	A.Thin	51.06
6	A.Ayling	52.27
7	P.Casey	52.35
8	C.Burns	52.52
9	D.Brennan	55.38
10	D.Quinn	56.42
11	B.Jones	56.58
12	S.Cotter	57.08
13	T.McCormack	57.10
14	T.Lucey	59.06
15	F.O'Brien	59.28
16	E.Niland	60.04
17	S.Healy	62.11
18	N.C-Crawford	64.03
19	R.Lyons	64.39
20	J.Dempsey	65.01
21	B.Cryan	65.20
22	V.Jones	65.27
23	A.Martindale	66.32
24	J.Lalor	69.32
25	G.Elliot	70.03
26	N. Dobbs	72.15
27	P.Dunne	76.03
28	D.Kelly	76.09
29	Ken Griffin	81.18
30	D.Butler	81.27
31	F.Buckley	81.56
32	N.Curran	84.53
33	J.Flanagan	88.54
34	D.Short	91.50
35	D.O'Neill	105.44

Peter Gargan dwc
R.Wallace dwc

Green 5.100 km 150 m 13 C

1	K.Carey	38.25
2	P.McCormack	49.45
3	N.Foley Fisher	49.52
4	P.Murphy	50.09
5	A.Butterfield	51.24
6	R.McDonald	54.49
7	B.Hollinshead	54.57
8	R.Wall	55.08
9	J.O'Neill	56.02
10	H.White	57.02
11	B.Foley Fisher	57.47
12	N.Foley Fisher	57.58
13	C.Nuttall	58.35
14	D.Nugent	59.59
15	D.Healy	60.12
16	W.McCormack	62.12
17	P. Conroy	62.30
18	A.Ni Suilleabhain	64.16
19	A.M.McKenna	67.43
20	F.Ryan	68.34
21	M.Butler	69.54
22	J.O'hEafa	75.56
23	J.Russell	79.22
24	C.McASay	79.32
25	M.Kellett	80.24
26	F.White	86.29
27	D.Harkin	89.28

J.Francis , E.Butler, M.Bohan, A.B.Law, G. Power dwc

Light Green 4.000 km 70 m 16 C

1	M.O'Connell	45.59
2	D.Large	51.32
3	C.Young	52.11
4	A.McCormack	54.57
5	C.Carey	56.34
6	P.Fox	59.36
7	D.Nagle	60.13
8	J.Kullman	62.51
9	McMenamin	64.48
10	F.O'Neill	67.38
11	D.Corrie	69.45
12	K.Daly	76.19
13	N.Strainaer	76.29
14	N.Lalor	76.37
15	V.Murtagh	90.48
16	N. English	147.37
	A.Butler	dnf

C.Walsh, B.O'Neill, R.Armstrong, N.Phillips, B.McCormack , B.Green dwc

Orange 3.300 km 45 m 12 C

1	C.McKenna	36.30
2	R.Moynahan	38.17
3	J.Loughran	41.37
4	A.Bell	43.29
5	A.Burke	45.58
6	A. Joyce	65.15
7	D.Ryan	68.58
8	Ryan Family	73.08
9	F.Graff	98.38
10	D.Walsh	98.40
11	N.Lalor	106.40

C.Foley Fisher, T.McCormack dnf
N.Brennan, L.Doyle, A.O'Donnell, Aine Joyce dwc

Yellow 1.900 km 45 m 7 C

1	E.Foley Fisher	22.21
2	C.O'Neill	23.16
3	D.Niland	25.02
4	C.Francis	25.48
5	R.Short	31.39
6	S.O'Boyle	32.00
7	C.Short	33.10
8	S.Muckian	39.29
9	M.Quillan	55.03
10	S.Sullivan	55.09
11	D.Carney	57.16
12	G.Carney	59.02
13	C.Cashin	86.46
14	P. Mc Cormack	90.18

S.Sherlock , C.Staunton, C.Clynch, S. Stenson, O'Dwyer /Byrne, Trenner / Bond, J.Mullen dwc

Red 4.450 km 70 m 14 C

1	R.Russell	48.52
2	J.Schannell	57.06
3	D.Osborne	62.25
4	A.Saddlier	74.04
5	D.Murphy	77.25
6	M.Brett	95.54
7	E. Hill	97.30
8	A. Clavin & M. Hayes	125.44

P.Roycroft, I.Coughlan, J.Russel dwc

(Thanks to Brendan O'Brien for analysing the data and graphing it. Unfortunately it didn't work out from a computer viewpoint. Maybe next time.) I assume that "dwc" = Disqualified in German? -Ed.

RESULTS: Please submit results in as simple a format as possible to reduce the amount of re-working for publication. On disk or by e-mail is best, if they have been produced by computer. Please list courses under one another rather than side by side as the columns can get jumbled up and confused totally.

Isn't it alarming how people fail to fill in their control cards properly? Imagine calling out the rescue services for "Chick & Guy", "Petra" or "Ciaran"? The problem lies mostly with novices but for safety they should give full details, including their mode of transport.

IRISH MOUNTAIN RUNNING ASSOCIATION 1998 RACES

Format is: date, location, distance (km), climb (m), time, location details.

22/02/98 Killiney Hill 8.0km, 152m 12.00 hrs Killiney Hill, Car Park, Co. Dublin
10/03/98 Irish Schools Champs, 2.30pm, St. Columbas College, Rathfarnham, Co. Dublin.
29/03/98 Dart to the Head 10.0km 274m 12.00 hrs Bray Promenade, Co. Wicklow.
19/04/98 Lugnaquilla IC1/LC1 10.1km 718m Camara, Glen of Imaal, Co. Wicklow. 12.00 hrs
22/04/98 Hell Fire Relay 3.4 km 85m 7.30pm, Rathfarnham, Co. Dublin
25/04/98 Knockdhu International 7.6 km 448 m 1.00pm nr. Larne Co. Antrim
29/04/98 Goal Flash 4.5 km 200m7.30pm Lamb Doyle's Pub, Sandyford, Co. Dublin
06/05/98 Hell Fire Flicker LL1 3.4 km 85 m 7.30pm Hell Fire Woods, Rathfarnham.
13/05/98 Sugarloaf Rush LL2 3.7 km 213m 7.30pm, former Calary Filling Station.
17/05/98 Round Mountain LC2 8.0km 335m 12.00 Hrs Lumpers Pub, Off Dundalk/Newry Rd
20/05/98 Howth LL3 4.8km 183m 7.30pm GAA Club, Dungriffin Rd., Howth, Co. Dublin
24/05/98 The Djouce Rocket 8.9km 427m 12.00 Hrs Lake Car Park, Djouce Woods.
24/05/98 Nagles Mountains MC1 11.3km 335m 2.30pmNear Kilavullen, Co. Cork
27/05/98 Three Rock Dash LL4 4.8km 198m 7.30pmTicknock Car Park, Sandyford.
31/05/98 Carrauntoohill IC213.7 km1126 m12.00 hrs, Breanlee, Lough Acoose, Co. Kerry.
03/06/98 Bray Head LL5 5.0km 274m 7.30pm
07/06/98 Glendalough LC3 19.0km 854m 11.30am Upr Lake Car Park, Co. Wicklow.
07/06/98 Doon MC2 8.0km 335m 2.30pm 2 Miles From Doon, Co Limerick
10/06/98 Blue Light LL6 5.5km 326m 7.30pm Blue Light Pub, nr Sandyford.
13/06/98 Croagh PAtrick IC3/CC1 7.7km 762m 2.30pm Murrisk, Westport, Co. Mayo.
14/06/98 Nephin CC2 8.0km 610m 12.00hrs nr Castlehill, 5km Crossmolina, Co. Mayo
17/06/98 Corrig LL7 5.6km 305m 7.30pm, signs from Stone XBallinascorney, Co. Dublin
21/06/98 Flagstaff LC4 17.6km 925m 12.00 Hrs Flagstaff Car Park, off Newry/Dundalk rd., Co. Down. Grid Ref: 106 200
21/06/98 .Seefin - Ballyhouras MC3 8.0km 427m 2.30pm Glenosheen, Co. Limerick
24/06/98 Scalp LL8 6.4km 244m 7.30pm Dublin Sport Hotel, Kilternan, Co. Dublin
28/06/98 Claragh Mountain MC4 6.2km 352m 2.30pm Millstreet, Co. Cork.

For more information contact Douglas Barry (01-2868180), e-mail imra@iol.ie or visit the IMRA website.

NORTHERN IRELAND FELL RUNNING ASSOCIATION NIFRA 1998 List of Events

NIFRA are changing to a new Championship format with Elite athletes doing 4 out of 6. All other athletes must do 6 out of 9. Hill & Dale League evening races start 19.30 hrs.

15 March Slieve Gullion Start 13.00 3.5 mls, 1000ft. Grid Ref: 024 229, West Of Camlough Wood, Killeavy, Near Newry
21 March Rostrevor - Newcastle Relay Start 12.00 20 Mls - 2 X Road 2 X Fell
1 April Cavehill Start 7.30 3.5 Mls, 1200ft Grid Ref: 330 792 North Car Park
9 April Hill & Dale: Moughanmore
16 April Hill & Dale: Castlewellan
30 April Hill & Dale: Slieve Muck
7 May Hill & Dale: Hen & Cock
14 May Hill & Dale Meelmore & Meelbeg
16 May Spelga Skyline Start 12.00 (11.30 Ladies) 12 Mls 4500ft Spelga Dam Car Park, Mourne Mountains
21 May, Hill & Dale: White Plains
4 June Hill & Dale: Loughshannagh
6 June Rostrevor 7 mls, 2500 ft
11 June Hill & Dale: Rocky
18 June Hill & Dale: Binnian (to top ?)
21 June Flagstaff To Carlingford Start 12.00 11 Mls 3000ft Grid Ref: 106 200 From Flagstaff Car Park, Near Newry
26 June Hill & Dale Drinahilly

ORIENTEERING FIXTURES 1998

January

25 **DONADEA**, Clane, Co. Kildare. CNOC. Start 11 - 1. GR N 84 33.
25 **WARRENSCOURT**, Kilmurry, Co. Cork. BOC WL. Start 10.30-2. GR W 380660.

February

1 **KILCORNAN**, Clarinbridge, Co. Galway. UCGO. CL6. GR M 415 200.
1 **PINE FOREST**, Rathfarnham, Co. Dublin. GEN. Inter-club challenge. GR O 1322.
1 **FARRAN**, Ovens, Co. Cork. BOC WL. Start 10.30-2. GR W 480715.
1 **SHIPPOOL**, Co. Cork. CorkO. BML. Start 10.30-2. GR W57 54.
7 **CAIRN WOOD**, Dundonald, Co. Down. LVO sprint-O. GR J 45 76.
8 **BOTTLE HILL**, Co. Cork. CorkO BML. Start 11 - 2. GR W 61 86.
8 **CURRAGH WOOD**, Midleton, Co. Cork. BOC WL. Start 10.30-2. GR W860768.
8 **HELLFIRE WOOD**, Kilakee, Co. Dublin. SET. Start 11 - 1. GR O 12 22.
14 **IRISH STUDENT CHAMPIONSHIPS, Glengarra**,Co. Tipperary. UCCO. GR R 92 20.
14 **NI SCORE CHAMPIONSHIPS, Downhill, Co. Derry**. NWOC. GR C 75 60.
15 **GLENGARRA**, Cahir, Co. Tipperary. CorkO ML4. Start 10.30-2. GR R 92 20.
15 **THREE ROCK WOOD**, Dundrum, Co. Dublin. DUO. Start 11 - 1. LL7. O 17 23.
21 **CONNACHT CHAMPIONSHIPS, Golden Grove**, nr. Roscrea, Co. Tipperary.
22 **INTERPROVINCIAL CHAMPIONSHIPS, Knockbarron**, Kinnitty, Co. Offaly.
22 **BALLYCONNERY**, Co. Waterford. WATO introductory event.
22 **DROMDEER WOOD**, C. Cork. BOC BL. Start 10.30-2. GR R635050.

March

1 **CRONYBYRNE**, Laragh, Co. Wicklow. AJAX. Start 11.-1. LL8. GR T 19 92.
1 **ROSTELLAN**, Whitegate, Co. Cork. Lee O event. GR W875665.
1 ***BOF NATIONAL EVENT 1/Concorde Chase***, *Star Posts, Berkshire.*
1 **KNOCKREER**, Killarney, Co. Kerry. KO. SL3. GR V958907.
1 **MYROSS WOOD**, Leap, Co. Cork. BOC. WL7. GR W200368.
7 **SLIEVE MARTIN**, Rostrevor, Co. Down. LVO. NI Series 1. GR J 19 18.
8 **CURRAGH EAST**, Co. Kildare. CNOC. Start 11 - 1. LL9. GR N 78 12.
8 **GLENANAAR**, Shanballymore, Co. Cork. BOC ML5. GR R 65 13. 11-2.
14 **RUPPULAGH**, Kilfinnane, Co. Limerick. BOC WL8. GR R703202. 11-2.
14 **THOMASTOWN**, Kilfinnane, Co. Limerick. BOC Night-O. GR R682205. 7-8.30 pm.
15 **DJOUCE WOODS**, Enniskerry, Co. Wicklow. SET. Start 11 - 1. GR O 20 12.
15 **DROMDEER**, Doneraile, Co. Cork. BOC WL9. GR R 635030. 11-1.
15 **MAHON FALLS**, Co. Waterford. WatO. S323070.
21 **CASTLE ARCHDALE**, Co. Fermanagh. NI Series 2. FermO. GR H 17 58.
22 **BALLYNOE**, Midleton, Co. Cork. CorkO score event. W955850.
22 **CARLINGFORD**, Co. Louth. 3ROC. Start 11 - 1. LL10. GR J 18 11.
22 **KNOCKAROURA**, Mourneabbey, Co. Cork. BOC WL10. GR W565951. 11-1.
22 **MOUNTLEADER**, Millstreet, Co. Cork. BOC. Cork Champs. 10.30-1.30. GR W265896.
22 **MUCKROSS**, Killarney, Co. Kerry. KO SL4. GR V970863. 11-1.
29 **COUMSHINGAUN**, C. Waterford. WatO. GR S314104. 11-1.
29 **MOTEPARK**, Roscommon. FWAR score event. 11-1. GR M 91 61.
29 **SUGARLOAF**, Kilmacanogue, Co. Wicklow. UCDO event. GR O 24 13. 11-1.

April

4 **LEINSTER CHAMPIONSHIPS, Trooperstown**, Co. Wicklow. GEN. Pre-entry. GR T 16 97. Entry form enclosed.
10-13 ***JK'98***, *Dolgellau, Wales. Entry form enclosed.*
11-13 **BALLYHOURA THREE-DAY**: Dundrum, Co. Tipperary, Balyhea, Co. Cork & Galbally, Co. Tipperary. BOC. Entry form enclosed.
18 **BELFAST CASTLE**, LVO Sprint-O 2. GR J 33 79.
19 **GLENANAAR**, Co. Cork. BVOC Ballyhoura League. GR R 6513. 11-2.
19 **SCARTNAMUCK**, Bandon, Co. Cork. LeeO. W475594. 11-1.30.
19 **SAGGART**, Co. Dublin. AJAX. 11-1. GR O 02 23.
25 **SPRINGWELL**, Co. Derry. NWOC. NI Series 3. GR C 76 25.
26 **KNOCKACAREIGH**, Co. Cork. CorkO score event. 11-1. GR W 360343.
26 **ROCKMARSHALL**, Dundalk, Co. Louth. FIN. Start 11 - 1. LL11. GR J 12 08.
26 ***BOF NATIONAL EVENT 2***, *Bristol area.*

May

2-3 **IRISH CHAMPIONSHIPS**, Slieve Gullion and Markethill, Co. Armagh. LVO.
3-4 ***BRITISH CHAMPIONSHIPS***, Aldershot.
10 **BANNA STRAND**, Co. Kerry. KO ML7. GR Q 75 23. 11-2.
10 **GLENDALOUGH**, Co. Wicklow. 3ROC. Start 11 - 1. Leinster final. GR T 11 96.
16 **CASTLEWELLAN**, Co. Down. LVO Sprint-O 3. GR J 32 37.
16-17 **LOWE ALPINE MOUNTAIN MARATHON**, (Wicklow?).
17 **GLENCREE**, Co. Wicklow. GEN. Start 12.00 Mass start score event. GR O 1914.
22-25 **WORLD CUP, Killarney**, Co. Kerry. National teams only.
22-24 **SHAMROCK O-RINGEN**, Killarney, Co. Kerry.
30 **BURREN**, Co. Fermanagh, FermO. NI Series 5. GR H 09 37.
28-31 ***WORLD CUP RACES, Lake District., incl. BOF NATIONAL EVENT 3***, *High Dam*

Cork Business Houses League: BOC. Thursday evenings.

April 2 Currabinny, start 5-6.15 pm
9 Farran Wood, start 5 - 8 pm.
16 Currabinny, start 5-8 pm.
23 Curragh Wood, Midleton, start 5-8 pm.
30 Knockaroura, Mourneabbey, start 5-8 pm.
May 7 Garrycloyne, Waterloo, start 5-8 pm.
14 Bottlehill, start 5-8 pm.
21 Lyradane, Grenagh, start 5-8 pm.
28 Warrenscourt Wood, Kilmurry, start 5-8 pm.

A Cork O Inter-Firm League starts on June 2nd on Tuesday evenings. Details in next TIO.

For up to date fixtures information check with the organisers, the IOA inf-O-line (01-4569099) or the NIOA ((0044)-01399-873281)

In many cases the information given here includes a contact phone number , star times and an Ordnance Survey grid reference. IOA fixtures are only listed if the even is registered with IOA. Start times are generally 11.00 to 1.00 pm unless otherwise stated.