

# central orienteering club

## JULY NEWSLETTER 1983

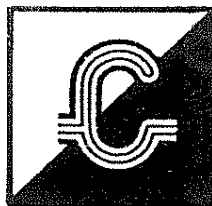
P.ESID\_N\_:

Selwyn Palmer  
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Tel: 657-798

TREASURER:

Geoff Bendall



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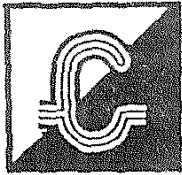
Tel: 656-508

NEWSLETTER:

Martin Newton

### COMING EVENTS

- |        |    |    |   |
|--------|----|----|---|
| JULY   | 24 | SA | Waiuku Forest Training Event  |
|        |    | R  | Event on new forest - farm map Waipapa II.<br>N.E. side of Lake Rotoiti. 11.00 - 2.00   |
|        | 31 | C  | Mangere Mountain. Promotion event.<br>Setter: Leon McGivern,<br>Controller: George Cole - Baker<br>10.00 - 12.30.   |
| AUGUST | 3  | C  | Setters and Vettors evening. Avondale<br>Intermediate School Staffroom. 7.30.<br>Everyone welcome. See page 2.  |
|        | 7  | NW | Long Street '0'.  |
|        | 14 | C  | A.O.A. O.Y.7. Ye Olde Woodhille.<br>Setter: William Bruce; Controller:<br>John Rix; Co-ordinator: Paul Dlaton.<br>Enter via Forest H.Q. 10.00 - 1.00 p.m. |
|        | 21 | NW | <del>Weiti Station.</del> Promotion event on new map.<br><i>transferred to Woodhill, enter via Rimmers Road.</i>  |
|        | 28 | SA | Omana: Promotion event on A.R.A. Reserve  |
| SEPT   | 4  | NW | A.O.A. O.Y.8. 16 Mile Map. Enter via<br>Rimmers Road. 10.00 - 1.00.   |
|        | 11 | SA | Manukau City. Promotion event.  |
|        | 18 | C  | Totara Park   |
|        |    | P  | C.D.O.A. O.Y.   |
|        | 25 | NW | Weiti Station. Promotion event.   |



# NEWS

2

Replies to the Club Survey circulated with the June Newsletter showed a lot of interest for a discussion - advice session on course setting and course vetting. An evening has been put on for this next month:

## SETTERS AND VETTERS EVENING

Venue: Avondale Intermediate School

Date: Wednesday 3rd August

Time: 7.30 p.m.

Supper will be provided

N.Z.O.F. Fixture and information card:  
Well produced, good info, attractive to look at. A good way to help promote orienteering. Glad to see it looks like being an annual production. Well done the N.Z.O.F.

Enclosed with this newsletter are details of wine sales in connection with the APOC event next January (see P. 8/9 for more information about the event). The wine sales will help with the finances for the event organised by the Dunedin O. Club. Central are helping by selling 50 dozen bottles of the wine. If every family can sell (or drink themselves?) a dozen bottles we will more than meet our commitment ...

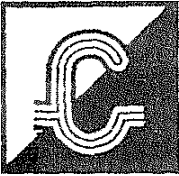
Event organisers and helpers: THE CLUB CAMPERMATIC:  
Please take care when using it, especially avoid pinning notices to the canvas. One rip has already needed repair.

Photogrammetry has been bought for a new map in Woodhill: Mushroom Rd. This map will be in use next year. If you want to help fieldwork this map, or other maps that are being planned contact Selwyn Palmer (657798)

### FOR SALE

Silva Compasses Type 3 \$12.00  
Whistles 50¢  
Club T-Shirts \$6 Childrens sizes  
\$8 Adult sizes

All available at Central Club events  
or contact: Phil Brodie Ph: 276-4285



FOR SALE

OSAKA running / 'O' Shoes  
 Size 3, excellent condition  
 \$15. Contact Tanya icholls 697792

WANTED

Mountain Marathon Partner  
 Short course at APOC event in January  
 Contact Tanya Nicholls 697792

NEW BOOK

"Orienteering - Training and Coaching" British O.F.  
 Written by 4 top British orienteers, this book would  
 have to be the best technical Orienteering book in the  
 English language. Chapters include physical fitness  
 (aimed at lazy, unmotivated people like Simon Clendon),  
 illness and injuries, psychological preparation, and  
 coaching.

The Club has also purchased the 2nd edition of "Mapmaking  
 for Orienteers" by Robin & Sue Harvey.

For either of these books, contact R. Crawford 686580

IOF SYMBOLS: There is a copy of the I.O.F. Control  
 Descriptions Manual in the Club Library. Some of  
 you may wish to study it! Contact Robert Crawford.

Good to read that the N.Z.O.F. are considering an annual  
 review (a booklet I hope) of orienteering, and in the  
 near ? future a regular magazine. I think both are ideas  
 that deserve support and indeed are overdue. I'd be  
 interested to hear other people's views. Perhaps strong  
 support might get things moving ... or perhaps my view is  
 a minority one ...

Pacific Orienteering Championships - If anyone wishes to  
 travel by air to the Championships just for the minimum  
 time at Naseby could they contact Ray Kitchener, phone:  
 266-6504. I would like to arrange a party for cheap  
 travel to leave Auckland on Thursday 5 January and return  
 on Thursday 12 January. This allows running model event  
 on Friday, Champs Saturday, Relay Sunday and Mountain  
 Marathon Tuesday and Wednesday. ~~One or two places still left.~~

THANKS FOR ALL THE NEWSLETTER CONTRIBUTIONS.  
 KEEP THEM COMING: ON ANY EVENT OR ANY ISSUE.  
 IT WOULD BE GOOD TO HAVE A REGULAR 'LETTERS'  
 PAGE. ADDRESS FOR NEWSLETTER MATERIAL:  
 28, PRESTON AVENUE, HENDERSON, AUCKLAND 8.

Marti Newton

### COURSE LENGTHS

There has been some discussion lately about the tendency to increase course lengths in recent OY events, with a corresponding increase in the time it takes to finish. South Auckland club President Geoff Pilbrow, in their June newsletter, said he felt that some courses were getting too long and that the majority of competitors would be "turned off" from the sport if they continue to spend considerable time in the forest. On the other hand there are some others who are not satisfied if the courses are too short.

The NZOF rules include recommended winning times for all grades so let us compare them with the OY winners' times so far this year -

<u>Class</u>	<u>NZOF</u>	<u>OY1</u>	<u>OY2</u>	<u>OY3</u>	<u>OY4</u>	<u>OY5</u>	<u>OY6</u>
M12	.25	.34	.33	.30	.42	.35	.33
M13	.40	.57	.44	.38	1.06	.45	.37
M15	.50	1.04	.55	.42	1.13	.34	.43
M17	1.00	1.08	1.12	1.20	1.46		.53
M19	1.10	1.18	1.03	1.12	1.42	1.23	1.26
M21	1.20	1.13	1.33	1.29	1.25	1.35	1.34
M35	1.05	1.25	1.38	1.21	1.32	1.25	1.08
M43	.55	1.08	1.00	1.29	1.25	1.28	1.13
M50	.50	1.05	.48	.59	1.03	.49	.50
M56	.40	.39	.40	.39	.59	.55	.33
W12	.25	.50	.32	.25	.39	.27	.40
W13	.30	.43	.29	.41	.52	.41	.53
W15	.40	1.16	.38	.35	.53	.36	.42
W17	.50	1.10	.57	1.16	1.25	1.07	1.09
W21	1.00	1.09	2.19	1.39	1.53	1.51	1.01
W35	.50	.57	1.07	1.22	1.24	1.09	1.05
W43	.40	.54	.37	1.13	1.15	1.08	1.01
W50	.30	.51	.59	.44	1.00	.54	

You can see for yourself, that in some grades, courses are obviously too long e.g. M35, M43, W13, W17, W21, W35, W43, W50.

If you want to run a longer course, you can always run up a grade, and most ages have a 'B' grade for those that want shorter. Indeed one of the attractions of o'ing is that you can select whichever course you desire. However the NZOF times are there to be observed and all clubs have recently been reminded of this by the AOA.

The article on course lengths is reproduced from N.W. Club's Newsletter. It's an issue that often generates much debate and feeling. I'd be keen to hear views of other club members: young and old, new and experienced orienteers. My own views:

- It's difficult when setting to gauge finishing times on the actual day. Length, course difficulty and runnability certainly play their part, but above all winning times reflect who runs on the day. Take away the top one or two runners in a grade and winning times escalate: winning times often reflect 'who runs' rather than courses.
- My previous view notwithstanding, course setters tend to err on the long side. People may grumble if times are on the high side but at least they feel they have met the challenge. If winning times were say 50% below recommended times rather than above I think the grumbles would be all the louder ...

\*\*\*\*\* AUCKLAND ORIENTEERING CHAMPIONSHIPS \*\*\*\*\*

30th OCTOBER 1983

VENUE: Taurangaruru Coastal Hills situated 8km from Waiuku on the Manukau Peninsula.

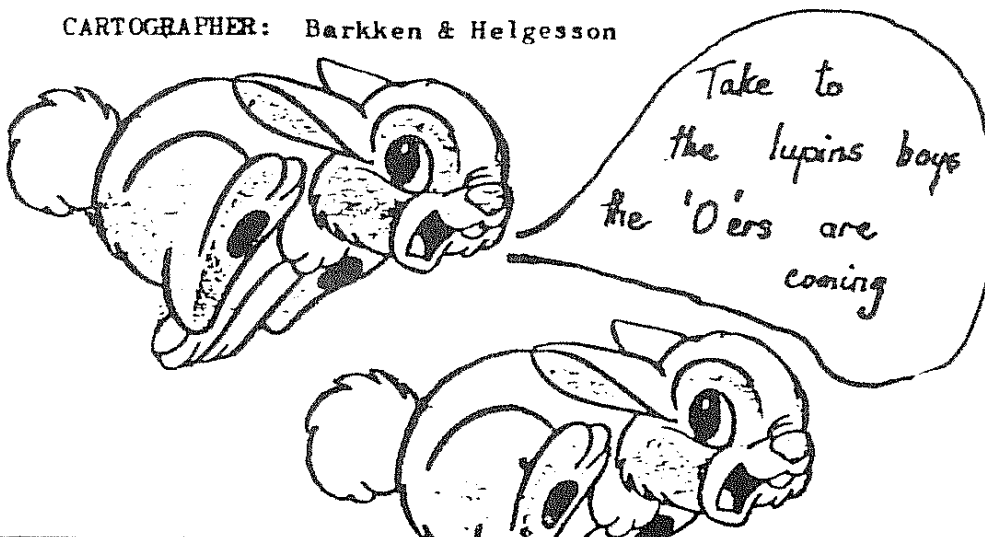
Don't make up your mind about the best open country venue, until you have done this event.

TERRAIN: Ranging from simplest farm land to Woodhill type sand dunes to Awhitu hills.

Make your arrangements now to visit Waiuku for these championships.

MAP: Ross Brighthouse

CARTOGRAPHER: Barkken & Helgesson



# SUUNTO

## the Compass of World Champions

Dear Sir,

We attach some technical information recently received from Finland setting out the comparison of settling times between different compass needles, which we are sure you will find of interest as a follow up to your article in the August/September edition of "The Australian Orienteer".

Jeff Sutton  
Director, Peter Johnson Pty Ltd  
Australian agents for Suunto

P.S. The Norcompass by Suunto (with broad needle) will be available in October.

### Comparison Between the Settling Times of Different Compass Needles

Temperature +25°C

Initial deflection of compass needle 90°

Horizontal component of the earth magnetic field 0.15 Oe

Results:

1. Norcompass by Suunto (with broad needle)	3.7 sec
2. Suunto A-series	4.1
3. Silva Starter	4.6
4. Silva type 3	4.6
5. Silva type 2	4.7
6. Silva type 4	4.9
7. Silva type 7NL	5.0
8. Silva type 4S	5.1
9. Suunto RA-series Norcompass old model	5.2
10. Silva type 1S	5.2

Wallace Bottomley has concluded a deal with the New Zealand distributors for SUUNTO: Advertising space on the new Mushroom Road map has been traded for a stock for a stock of thirty SUUNTO A2100 compasses for hire at club's events.

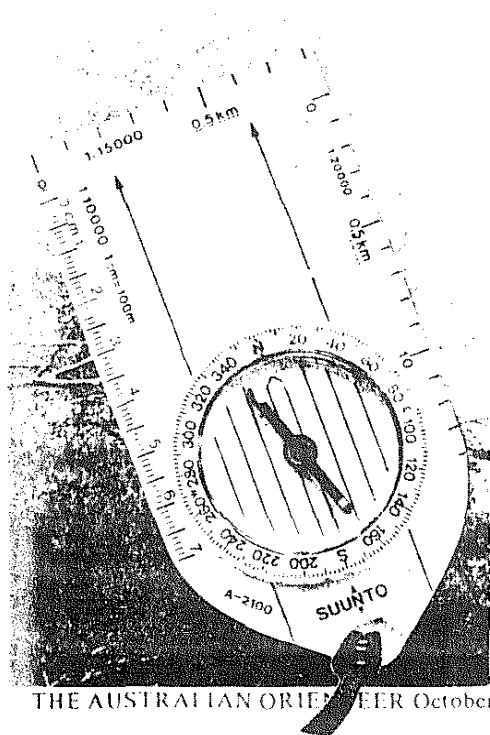
This compass is one of a series of compasses that have an anatomically designed base plate which ensures that it really fits the hand snugly. The capsule is replaceable. It is sunk into the base plate bringing the base lines as close to the coordinate lines as possible. SUUNTO claim that the compass needle is stable and that it shows the direction immediately. (See accompanying letter.)

The A2100 features a round lens with four-fold magnification; triangular and round holes for control marking; scales 1:10,000, 1:15,000, 1:20,000 and cm. Arrows indicate direction of travel.

Price \$13.95 at most sports outlets.

To top orienteers, SUUNTO is not a new word but a long established tradename of a product designed for orienteers by orienteers.

SUUNTO are actively seeking to become involved in major competitions.



"... Ready, go!" Grabbing our maps we tore into the undergrowth, expecting of course to know where we were. I was all ready and eager to go so I keenly tried (and I must enforce tried) to get into the map.

"Where in the heck are we?" "You must have a different map to mine." "Look, there's about ten triangles on one map." "Your map doesn't have as many controls on as mine." "No stupid, look at this ..."

A few more comments like these and I was prepared to go back to the start and ask where we were. Luckily I saved my breath as we broke the code and headed for number one. This was a first timer for both Mum and I to be lost right from the start, literally!

We were going well until our third control. We went via road and track until a junction, which Mum didn't have on her map, so, like a smartie, I choose to take a more direct route around the depression. Unfortunately this showed white on the map, but in reality it was neck high lupins (knee-height for everyone else) and 'not to be trusted logs'. This is where most of our time was wasted. I'm sure Geoff Bendall could hear us screaming and arguing to each other from the manned control. Still cursing ourselves by the time we got to the 4th control, we vowed never to trust my decisions alone again. But of course, this was forgotten by the 6th control. To go to number 7 we followed a track which turned sharply right. On that turn, a slight track should have led us out to the road which we would follow down to the control. Unfortunately, we were too idealistic and somehow ended up 800 m from our proposed track. I still don't understand what went wrong.

By the time No. 8 rolled up I felt like rolling up too and could tell Mum was getting frustrated with my lagging behind. But I persevered and was thankful for the drink at No. 10. About now a headache was coming on from watching people zoom forwards and backwards(?) from us, making various comments like "You mum's not far in front, you could catch her up." I get the feeling they didn't know I was meant to be competing with her and not against her!

Halfway to No. 11 I regained what energy I had left and was able to run from 11 onwards. I mean, it would be embarrassing to see mother sprint to the finish and half-dead daughter crawling in 5 minutes later. It's just not done.

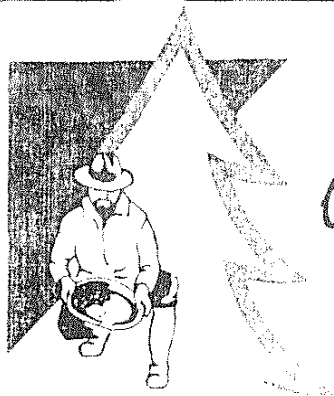
Overall, I sincerely enjoyed it and it made me appreciate the fact that in order to train for something like that, you can't just start 2 weeks beforehand, thinking if you can run around two blocks, you should be able to jog around four blocks. Believe me, it doesn't work.

Also, I think it could have been an opportunity, but maybe too soon, to take your future Mountain Marathon partner out and find their and your strengths and weaknesses, at what time they give (at all) and generally how well you would get on together.

At least I know one person with whom I won't be running on the M.M.

Thanks to Geoff and helpers for this valuable lesson I learnt.

TANYA NICHOLLS



# ASIA/PACIFIC ORIENTEERING CHAMPIONSHIPS 1984

P.O. BOX 1585  
DUNEDIN  
NEW ZEALAND

- NASEBY, N.Z. -  
JANUARY 6-8

## A.P.O.C. '84 Update Report

The International Orienteering Federation (I.O.F.) have given APOC '84 an A category rating and it is now certain from the interest shown that the level of competition will be absolutely worldclass.

Of particular note is the news that Per Olaf Bengtsson, the well known orienteering promoter from Sweden is to lead a tour to Australasia that will include all events on the APOC programme. His group will comprise of elite orienteers particularly from Scandanavia who will be training towards the World Championships to be held in Australia in 1985. Although individual names are not yet known, his group will certainly have many of the top placegetters from the 1983 Hungary World Orienteering Championships. This means that orienteers in the Asia/Pacific area will have the opportunity of competing in the same event with the best in the world.

In addition to this very good news is the intention of Ted de St Croix, North America's top man to bring a strong team from Canada. Following New Zealand's win in the 1983 Australia/New Zealand Challenge it is certain that a really strong team will represent Australia in the 1984 Challenge that will be a part of APOC '84.

Entries are now coming in steadily and the APOC organizers are now extremely confident that there will not only be a large entry, but with the world's best orienteers planning to come that the level of competition will be the highest seen in this part of the world. Although there is a great deal of interest in Japan in coming to APOC '84, it is not yet known how many orienteers will be coming from there. Perhaps the news that so many of the world's best orienteers are coming will stimulate orienteers from Japan, Hong Kong and the United States to come to New Zealand.

In addition to the orienteering events in Auckland, Rotorua and Christchurch and the Championships in Naseby, is the certainty of a Mountain Marathon event. In the beautiful surroundings of Central Otago this event will provide a fitting conclusion to the orienteering programme.

Mount Cook Line, who have been so enthusiastic in their support of APOC '84 are really keen to make all visiting orienteers very welcome. In addition to the organized tours which will include all orienteering events, Mount Cook Line will be able to assist in short tours that will take in the scenic beauty of the South Island of New Zealand. Remember that from Naseby there is so much to see and do. The famous Milford and



Routeburn Tracks are very suitable for those wishing to be guided on mountain walks. For those with mountaineering and hiking experience there are endless valleys and peaks to provide challenge and enjoyment, but beware because the Southern Alps are not to be taken lightly, even in the summer. Mountain guides can be hired at Wanaka for the Mount Aspiring area and at the Hermitage, Mount Cook for those wishing to have expert leadership. Mountaincraft courses also run right through the summer months. With the mighty rivers in the region, jet boating and rafting have both become very popular. Some commercial operators even include a helicopter ride along with either jet boat or raft trips. More sedate but very enjoyable are the various boat rides on some of the Southern Lakes which often take in visits to underground power schemes or high country farm stations.

With all this, and lots more, there will not be a dull moment!

## *Top orienteers coming to N.Z.*

By Alistair McMurran

The Asian and Pacific Orienteering Carnival received a major boost yesterday with the decision of a top Swedish promoter to bring 50 of the world's top orienteers to the championships.

The event, which will be held at Naseby in Central Otago next January, has taken on a true international flavour with this latest decision.

The news arrived in a letter from Per-Olaf Bengtsson, the Swedish promoter, to Anitra Dowling, of Dunedin, who is a member of the New Zealand team which will compete in the world championships in Hungary next September.

Mr Bengtsson is a former international orienteer for Sweden and is respected by international competitors.

"These are the very top competitors in the world," Peter Wilson, the publicity officer for the 1984 event, said. "It will definitely result in a larger contingent coming from Japan, Britain and other countries."

### **DRAWCARD**

"It would be the same as getting John Walker or the All Blacks to appear. We have definitely got a top level drawcard and the public interest is certain to be increased."

Mr Wilson expects the men's and women's champions from the world championships in Hungary to be in the group and "all the others will be from the top echelon."

The top orienteering

countries in the world are Scandinavia and Switzerland which have dominated the world championships. Hungary is the only other country to win a title.

An added incentive for the top orienteers to come to New Zealand will be the holding of the world championships in Australia in 1985.

The touring party will be keen to test themselves in Australian conditions before the world championships.

### **BONUS**

"It was a bonus to have us included in their itinerary," Mr Wilson said.

The 1984 event will be held in early January and the top internationals will also compete at events in Auckland, Rotorua and Christchurch before the championships.

The event is being sponsored by Mount Cook Line and Tasman Forestry and it was originally hoped to attract 800 competitors. But the latest news could have a snowballing effect.

New Zealand has competed against Australia in orienteering tests for the past eight years, but the event in Naseby will be the first major international contest held in New Zealand in the sport.

Other major internationals expected to compete next January include Ted de St Croix, who has won his national title six times and will be among a group of 10 top level Canadians.

Top Australians will include three members of the Key family — Sue, Warren and Steve — who will all be competing in the world championships in Hungary.

# FROM THE FOREST

A.O.A. O.Y.5. Woodhill 81.

10.

"Would you write about OY5 for the next newsletter?" I was stunned. I had always regarded Martin as one of the nice quiet, gentlemen of the club .....but who would ask any golfer to write about his round after he'd exhausted his handicap on the outward nine and done worse on the way home, lost three golf balls, broken a club and got caught in a hailstorm without his wet weather gear.

I started OY5 full of expectation after a Queens Birthday 3 Day event where I had started normally - thinking about everything else but what I was doing - progressed to a log that wasn't on the second day and finally had a run where I knew where I was most of the time. The answer seemed to lie in being a little tired. Start slowly and stay on the map.

Jan arrived back from her run just before the last start time so there was not a lot of time to transfer Josie in the back pack, tell Jan what corners of the forest the other three were in, get a start time and go.

Up the hill mark the map - 15 controls, 7.7 km - short legs so I'll be right. Slowly and surely to the first. Not quite in the first depression I look in but after a quick hunt around there it is. A nice feeling. Just like last week. Second control is in a clearing - cross the path round the bottom of those hills, up that little valley, 150m straight to it. If I go too far the path will collect me. The path does collect me. Wheres that clearing? Step count back in, run parallel to the path. **Not** there. Back the other way. Oh you stupid **clot** Lost ! and you haven't even started to think about all those other things you normally think about while running. Back to the path junction to positively relocate. Down to the clearing. No. 3's a knoll in the middle of the jungle. Across the path. Theres that clearing. Bearing. Attack from here. Step count. That must be it 15m to the left. Its not. Here we go again. Run hither, thither.

Lost again. Over to that big clearing. 30m from the end on that bearing .....bullseye. Why didn't you do that first time up? Out of the jungle on to the track. Pass a guy!

Number four's no problem.

Two routes to number 5. Around the road on the two short sides of the triangle or across country. A straight line is the shortest distance between two points .....but it is shaded light green.

Oh, nothing ventured, nothing gained. Run! I'm reminded of the passage from Disleys 's book "...sway from foot to foot in front of a thickly planted and overgrown wood. A detour would have avoided the obstacle with ease ..... he headed straight into the "jungle" where he was heard but not seen for the next five minutes." This isn't light green. Its thinned forest now mostly rotten, waist deep.

I'm so busy with my high knees, flaying arms to maintain balance, head down trying to guess which of the logs are rotten and which aren't, and thinking very hard as to what had inspired me to get up that morning, I forget the map! Stupid.....Lost yet again. Eventually I find 5. Straight to 6 between the knolls. For 7 all I have to do is go out to the path, turn left, down to that obvious little clearing and we're there. Run! ..... and run and run.

Wheres that clearing? Whoops. I'm crossing another path. Don't remember that. I've done a 180° error! You stupid **clot** ! Back down the path. Number 7 .....at last.

Quick look at my watch. Its no help either! The \$19.99 Mickey Mouse watch I bought to replace the one that didn't come out of the **bog**



# LABOUR WEEKEND: 3 DAYS OF ORIENTEERING:

13.

## RELAYS

DAY ONE - Saturday 22 October - 11am start - Taupo O Club  
New Zealand Relay Championships  
Venue - "Poihipi", near Kinloch  
New map - 1:15,000 5m contours  
Terrain varies from farm forest (young pines) to ploughed farmland to native bush.  
Setter/Mapper - Tony Trass  
Vetter - Terry Brighthouse  
Co-Ordinator - Elaine Brighthouse

## 2 DAY BADGE EVENT

DAY TWO - Sunday 23 October - 10am start - H.B.O. Club  
New Zealand Trial - first day of Badge Event  
Venue - Esk Forest "The Promised Land" (used in 1983 International) 1:10,000 6m contours  
Setters/Vetters - Brian Crawford, Colin Tait

GRADES FOR DAYS 2 & 3 WILL BE 1984 GRADES  
AS THE TRIAL IS FOR THE APOC EVENTS IN 1984.

DAY THREE - Monday 24 October - 9.30 start - H.B.O. Club  
2nd day of Badge Event  
Venue - Gwavas North (used in 1982 NZ Trial)  
1:10,000 6m contours  
Setters/Vetters - Dave Cooke/Dave Holt.

\*\*\*\*\*

The times on Days 2 & 3 will be combined for Badge Credits.

**GREAT IDEA** → N.W. CLUB ARE ORGANISING A BUS TO THIS EVENT, DETAILS BELOW: PHONE Judy Martin 415 9012 if you

If enough members are interested we will hire a bus to travel to Taupo and Hastings for the 3 days of orienteering at Labour weekend.....We would travel down on Friday 21 October, stay in Taupo Friday and Saturday night, then on to Hastings after Sunday's event, stay in Hastings Sunday night and return to Auckland on Monday. Accommodation would be arranged in cabins. If we fill a 42 seater coach the cost will be an average of \$25 per head, plus the cost of accommodation. This is probably no more than it would cost you to take your car, and you won't have to drive. And think of the marvellous company you would have on the trip. We will need to know quite soon to book the coach and accommodation, so if you don't ring me I will have to ring you.

are interested.

(the offer is open to Central Members)

## **N.Z.O.F.** AFFILIATION FEES

There have been a number of questions raised about the increase in N.Z.O.F. Affiliation fees next year. Senior affiliation increases from \$3.50 to \$5.00, Junior \$2.50 to \$3.50, Family \$7.00 to \$13.50. (This fee is paid out of club membership fees, so these are likely to rise next year).

Typical questions have been: What does N.Z.O.F do with the money? Why is such an increase needed?

These notes explain some of the background to the increase. The notes are from the N.Z.O.F. Conference Report.

### TO ADEQUATELY FUND ORIENTEERING

1. At the club level of the sport finance is not seen as too big a constraint. Clubs are surviving and growing and generally after two or three years of existence have built up an adequate supply of equipment and some funds. (Largely because of considerable voluntary work). Some clubs do experience short term liquidity problems when starting up or when undertaking major events. Clubs are aided by local sport and recreation grants and by local sponsorship.
  
2. At the National level however, the problem of finance is a major constraint on the development of the sport, e.g. funds needed to:
  - a) promote new clubs in new areas,
  - b) provide National coaching scheme,
  - c) publicise the sport,
  - d) administer the sport
  - e) pay clerical costs.

### TARGETS

Basically two widely differing scenarios were promoted at the conference and there was insufficient time to fully debate all the issues involved. Support for each of the scenarios was about even.

These scenarios were;

1. A gradual increase in the funding of the sport through steady increases in the present sources of income largely as a result of increasing membership. These sources were affiliation fees, event levies, government grants and sponsorship.

2. A major fund raising effort (probably using professional fund raisers) to provide a large financial base for the sport as soon as possible. The sport could then be better promoted and publicised to increase membership.

#### STRATEGIES

1. Annual budgets need to be prepared and presented to the Executive for approval. (If the findings of the conference are accepted by the Executive then they can help provide a basis for these budgets)
2. Scenario I
  - a) Increase funds from affiliations preferably by increasing numbers affiliated rather than by increasing fees.
  - b) Increase event levies from major events.
  - c) Make sure that all possible avenues of obtaining government grants are explored.

\*\*\*\*\*  
 \*\* CDOA CHAMPIONSHIPS \*\*  
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DATE: SUNDAY 9th OCTOBER 1983

VENUE: KAWERAU = TE HAEHAENGA MAP. (NATIONALS 1982)

COURSES & GRADES:

COURSE	GRADES	DISTANCE	CLIMB
1	M21A	9.5	462
2	W21A	8.05	294
3	M35A, M19	9.10	276
4	M43A, M21B	6.45	196
5	M50, W35A, W19, M17	5.75	156
6	M15, M35B, W17	5.45	132
7	M56, W43A, W15, W21B, M43B	4.60	126
8	M13, W35B, M21C	3.85	84
9	W50, W13, W43B, W21C	3.50	48
10	M12, W12	3.20	36

NOTE. AGE AS AT 31/12/83 (Unless you intend running at Naseby & wish to be considered for selection in another grade)  
 ENTRIES: PRE ENTRY ONLY, TO BE IN THE HANDS OF THE ORGANISERS  
 BY 10 SEPT 1983  
 LATE ENTRIES WILL BE ACCEPTED AT THE DISCRETION OF  
 THE ORGANISING COMMITTEE AT DOUBLE THE ENTRY FEE

FEEES: SENIOR \$5.00  
 JUNIOR 18 & UNDER \$3.00  
 FAMILY MAXIMUM \$13.00