



Geoff Gale

Courtesy Geoff Gale Feb 2022

Please Return

3rd Laser World Championship
Cabo Frio Brasil : November 2-11, 1977

FINAL REPORT

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Prepared by Cornelia Buckup and Beth Young on behalf of the Brazilian Laser Association.

Photographs taken by Paulo Muniz of Rio de Janeiro.

I. COMMENTARY

Organisation

The 3rd Laser World Championship was a joint venture organisation between Jeff Martin, Executive Secretary of the International Laser Class Association, headquartered in England, and the Brazilian Laser Class Association's World Championship Organisation Committee, headed by Cornelia Buckup in Brasil. To run such an event with one party so far distant certainly had its disadvantages most of which came to light during the championship; however, complaints from participants were few.

With the sailing area 160 km from Rio, transportation was essential and expensive but, with one or two minor exceptions, the participants arrived uneventfully in Cabio Frio. Travellers not flying with the two main charter groups had problems, mainly of their own making, as the Brazilian Organisation Committee had made specific arrangements for easy customs clearance for known arrivals, and bus departure schedules had to be adhered to, in view of the heavy highway traffic.

The social programme organised underwent numerous changes. The weather, of course, took its toll: the typical Brazilian street samba party which was to open the week's social events on November 4, could not take place due to torrential rain. The opening buffet, scheduled for the 4th floor terrace of the hotel which overlooked the sailing area, had to be moved inside to the conference hall.

With the alteration of the sailing programme, we lost the visit of the escola de samba Portela from Rio, which would have been the highlight of the regatta. It had to be cancelled as it was not scheduled to start until 10:00 pm and would have lasted well into the night. The free day in Búzios, where everyone was to laze on the beach, swim, play games, etc, was reduced to a late afternoon bus ride, a quick stop at the quaint village and arrival at Búzios Beach Club in time to appreciate its setting before the sun set. The feijoada was, however, a great success and enjoyed by everyone -- steaming plates of food piled high and caipirinha and beer flowing freely. The previous evening's last-minute barbeque supper had proved totally inadequate, but the feijoada more than made up for the Organisation Committee's disappointment over the insufficient quantity of food prepared the night before.

The farewell dinner turned into an olive-pitching battle where, apart from the regular trophies, some very handsome Brazilian wooden gifts were presented by the Costa Azul Yacht Club and the Brazilian Laser Association. John Bertrand once more gained the honour of carrying three heavy trophies home, and Mark Neeleman was at a loss as to how to get his 3rd place, Iate Clube do Rio de Janeiro, trophy home! A watercolour by a local artist, depicting Cabo Frio scenes, was presented to each participant and race committee and jury member, by the Brazilian Laser Association.

Language proved to be not as great a barrier as expected. Firstly, the Brazilian Organising Committee hired a group of young ladies who were conversant in many languages. Then the Hotel Malibū, independently, hired some English-speaking personnel whose assistance at the hotel desk was greatly appreciated by visitors. There did not seem to be any language problems between the visiting sailors and the local female population - who could be seen consorting at the ice cream parlour and numerous eating houses.

Registration went very smoothly with the sole exception of the t-shirts, as delivery of the large sizes was delayed and many participants had to wait a week for the arrival of what turned out to be an inferior batch. Everyone seemed pleased with the souvenir bags and the give-away t-shirts and hats from Itaū and t-shirts, keyrings and ashtrays from Brahma - but most t-shirts were too small for competitors.

The boat deposit system worked well, with each individual deposit placed in a pre-named envelope and kept separately in the hotel safe until the end of the championship. Very few reimbursement payments had to be made to Performance Sailcraft do Brasil (Cr\$5 240) and the treatment of boats by competitors was excellent.

Participation

107 participants were expected, and all material was prepared on this basis. Regrettably, two Italian sailors did not attend, and one Austrian was unable to come at the last moment when it was too late for his alternate to replace him. In all, there were 23 countries represented by the 104 competitors.

Boats

Due to a misunderstanding between the ILCA and Performance Sailcraft do Brasil, there were no cam cleats supplied with the boats. Sailors who had taken precautions to bring their own fittings or had access to a local supply were, therefore, at an advantage for the first four races - after which a shipment arrived from England. There was also a mix-up in the delivery of sails, which came from England and North America; some sails were left at Gatwick airport and some on the British Caledonian flight - which resulted in a few sailors not receiving their boats fully equipped until the day before the gate-start training races. Only one boat had to be exchanged during the entire six days' racing and breakage of spars, centreboards and rudders was minimal. This latter was quite contrary to expectation as much adverse comment had been made about the Brazilian boats and equipment.

One sail was damaged beyond repair on the rocks at the entrance to the canal. It is good to report, however, that at the time of going to press more than half of the boats used at Cabo Frio had been sold by Performance Sailcraft do Brasil. The event has proved its worth as a promoter of the class in this enormous country, with its 7 000 km of shoreline.

Weather

Contrary to the programme blurb about Cabo Frio's continuous summer, the championship was sailed in most unusual weather. The area is noted for its strong, steady winds and clear blue skies...but there were cloudy skies, rain showers, light breezes and shifting winds for the first few days and only towards the end did the true local weather come through.

Accommodation

The Hotel Malibū was transformed, from November 2 until November 12, into a hive of English-speaking activity. They coped marvellously and seemed unruffled by some of the weird habits of their northern, and very foreign at times, guests. 96 of the 104 competitors were lodged at the Hotel Malibū, 2 at the Motel Cabanas Ogiva and 6 locally in Cabo Frio. The main centre of activity was, therefore, the Hotel Malibū where the official Notice Board, Race Office and Jury Room were located.

Prices for accommodation were extremely low and included an excellent breakfast featuring an array of first-class fruits, most of which are not available in the home countries of the visitors.

The hotel accommodations in Rio following the championship were not so well organised: the Brazilian Organising Committee received requests for reservations for far fewer rooms than were required. This would normally have presented no problem but it coincided with Brasil's national holiday - a 4-day weekend - and every Rio hotel was packed. Luckily, the Iate Clube do Rio de Janeiro and Clube Regatas Guanabara had dormitory space for most of the single sailors and no-one slept on the beach or a park bench.

Health

The championship was dogged by minor ill health. Many people contracted stomach upsets which had a great effect on their strength and ability to sail. No specific cause could be named for the large percentage of people who succumbed but many felt it could be the water (or ice) consumed. Certainly the Hotel Malibū was in no way to blame, as there

was an adequate supply of bottled beverages available there at all times.

The doctor reported record attendance in his surgery, even requiring extra help to be brought in from Rio. The three worst cases were - a leg wound that refused to heal, a back wound from a boat collision that could have had serious implications, and an abscessed appendix which required rapid removal of the patient to Rio. For this latter journey, the Mayor of Cabo Frio provided an ambulance free of charge.

Press

13 Brazilian newspapers, magazines and television stations were represented by 27 reporters and photographers. Reuters and Associated Press had 4 representatives, and there were 5 reporters and photographers representing Japanese, English and North American media.

Also masquerading as members of the Press were two Britishers who set up their own pirate radio station, fondly named "Radio Free Cabo Frio", which dominated one frequency and operated between CB-1 and CB-2. One of them seemed to be named Roger.

Other

There were only 10 protests heard during the entire championship: 7 disqualifications, and 1 YMP resulted - with two protests disallowed, and one upheld against the Race Committee

Race results were most efficiently and speedily prepared by Linda Smith on a Hewlett Packard 9825 computer, loaned to the championship free of charge.

A Sony video, brought in from Holland, was used extensively in protest hearings and other deliberations of the jury.



II. RACES and RACE RESULTS

November 4 - Gate start tests: light, easterly winds. Two tests were made, each one with a triangle course only. When the wind increased and rain started, the Race Committee withdrew from the sailing area. On this evening, a skippers' meeting was held and some small changes in the Sailing Instructions were made. The Jury put a notice on the board calling the attention of 21 boats to infringement of pumping and rocking regulations, as well as irregularities of sailing equipment.

November 5 - Practice Race: medium to strong winds, dropping at the end of the race, from south to southwest direction with heavy swell. After two tentative starts, 104 boats got under way and John Bertrand took a commanding lead followed by Peter Commette, Cam Lewis, Stewart Neff, Bob Britten, Rob Rutgers and Anders Myralf. At the end of the first triangle, Bertrand had gained a two-minute lead but decided to sail home in order to spare his strength for the coming days. His attitude was followed by almost 80% of the fleet and the race lost its interest. Only 31 boats finished, of whom the Jury disqualified 12 for infringing rules 60.2, 41.2, 33.2 and item 5.v of the Sailing Instructions. Manfred Kauffman Jr won the race, followed by Anders Myralf, Tim Alexander, Warwick Phillips and Lawrence Lemieux. The prizes for this race, offered by the Iate Clube do Rio de Janeiro, were presented that evening during the Opening Buffet.

November 6 - First Race: light winds, southerly direction, sunny and light seas. After three attempts to start, and racing with the smaller course, Ian Brown took the lead, followed by Edouard Kessi, Ivan Pimentel and Klaus Peter Stohl. The fleet was spread over the sailing area, but the windward tack showed to be more favourable. Whereas the ten first had no big changes in position, Bertrand fought his way from 50th to 12th and, were the race longer, he would surely have finished in the first five. Ivan Pimentel won the race with a secure 100 metres from second place Ian Brown, with Klaus Peter Stohl third. All boats finished the race but one was disqualified for infringement of rules 40 and 37.1.

All competitors received a lunch packet and beverages before the next race.

November 6 - Second Race: two hours after the first race finished, and with two attempts at a normal start, the second race left with a gate start. Winds were steady at the beginning but dropped and shifted at the end. This race was over the smallest course which caused considerable boat contact when rounding the first mark. John Bertrand took the lead, starting shortly after the rabbit opened the gate, and kept his position until the last mark when the wind dropped momentarily and a further shift put him into 19th place. The windshift helped Klaus Peter Stohl and Peter Commette, who finished first and second respectively. With a 3rd and 1st, Klaus Peter was first in overall scoring. Many boats (14) retired from the race and one was disqualified for infringement of rule 42.2(a).

The longest day for any competitor present, the day of the first two races started at 8.00 am and finished 11 hours later, after darkness had fallen. This was not only exhausting for everyone on the water, but negotiating the entrance to the channel in the dark presented many hazards. As a result, the Race Committee changed the regatta schedule and from then on, only one race per day was sailed.

November 7 - Third Race: rain, light, southerly winds and heavy swell. 102 boats started correctly on the first attempt on the extended course. Positions kept changing between Craig Thomas, Ed Adams and Warwick Phillips. On the last two legs, the wind increased to force 4 and most competitors, still tired from the previous day's racing, had to muster all their strength merely to finish. Warwick Phillips and John Bertrand, however, continued to sail strongly and finished first and second. 90 boats finished, and no protest was filed. After three races, Monty Spindler led the scoring with 6,6, and 15; followed by Craig Thomas with 14,11 and 3 and John Bertrand with 12,19 and 2.

90 minutes earlier than usual to allow the excursion to Búzios to take place. Heavy rains, winds blowing 25-30 mph on the starting line and a heavy swell made conditions very difficult. Two unsuccessful starts resulted in the loss of almost two hours. Eventually 102 started but, before the first leg was finished, many had capsized. Cam Lewis sailed well the whole race but was betrayed by a 90° wind-shift on the second triangle. Although the wind dropped to 20 mph on the last two legs, the wind-shift mixed up the fleet and up to 50 metres from the finish it was still anyone's race. Bertrand showed why he is world champion, edging out Mark Neeleman Peter Commette, Monty Spindler and Gastão Brun, to win the race. 94 boats finished, one was disqualified for infringing rule 45.1, which resulted in a YMP and one helmsman being rushed to hospital and confined to bed for a day. After four races, Bertrand had taken the lead and did not lose it again. At that time, Spindler and Commette were second and third, followed by Mark Neeleman and Craig Thomas.

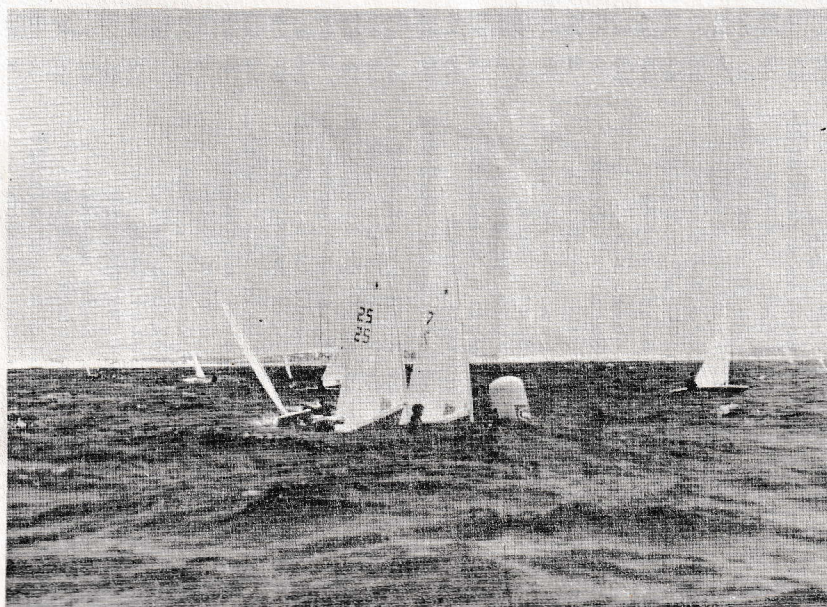
November 9 - Fifth Race: for the first time during the championship, Cabo Frio showed its normal conditions - northeasterly winds, 20-25 mph, rollers and sunny skies made sailing a pleasure for the heavyweights. After four attempts, the gate start had to be used and 101 boats left. Cam Lewis jumped to the lead and held it to the end. Bertrand, Kaufmann, Knapp and Warwick Phillips came next. It was the race with the highest number of retirements (16) and disqualifications (4). On the scoring, the two first places did not change but Commette lost his position to Neeleman.

November 10 - Sixth Race: although conditions were similar to the previous day, the wind reached 30-35 mph during some moments of the race. 16 competitors decided to stay ashore, either because of illness or because the wind was too strong. To many this race was considered the hardest. The Race Committee elected to go with the gate start but it took two attempts to accomplish. Geoff Gale and Lawrence Lemieux took the lead, followed by Bertrand who did not risk positions but rather concentrated on Peter Commette who was lying next. While this race had the strongest wind in the entire series, it is interesting to recall that there were no breakages incurred although 13 helmsmen retired alleging lack of strength. No protests were filed.

Bertrand virtually had the world championship sewn up after this race as his nearest rival, Commette, was 17,25 points behind. Third place belonged to Monty Spindler with Mark Neeleman a mere 2 points away.

November 11 - Seventh Race: the winds were still from the northeast but less forceful (15-20 mph). After a successful gate start, 88 boats raced the first leg. Bertrand sailed a steady race to win. Second came Ian Bruce, followed by Lewis and Knapp. Peter Commette, although finishing ninth, kept his runner-up position in the final scoring. Mark Neeleman, finishing 6th, came third overall as Spindler finished only 41st in this race. 78 boats finished and no protest was filed.

Analysing Bertrand's performance throughout the championship, one comes to the conclusion that he sailed well in all conditions. His 12th and 19th places in the first two races were due mainly to windshifts, but the remaining finishes - 2, 1, 2, 3 and 1, are the result of six months' daily sailing in San Francisco and 15 days sailing in Cabo Frio before the championship started. It was not only the physical fitness, but an unseen ability to make body, brains and psyche a part of his Laser.



THIRD LASER WORLD CHAMPIONSHIP

NOVEMBER 6-11, 1977

FINAL RESULTS

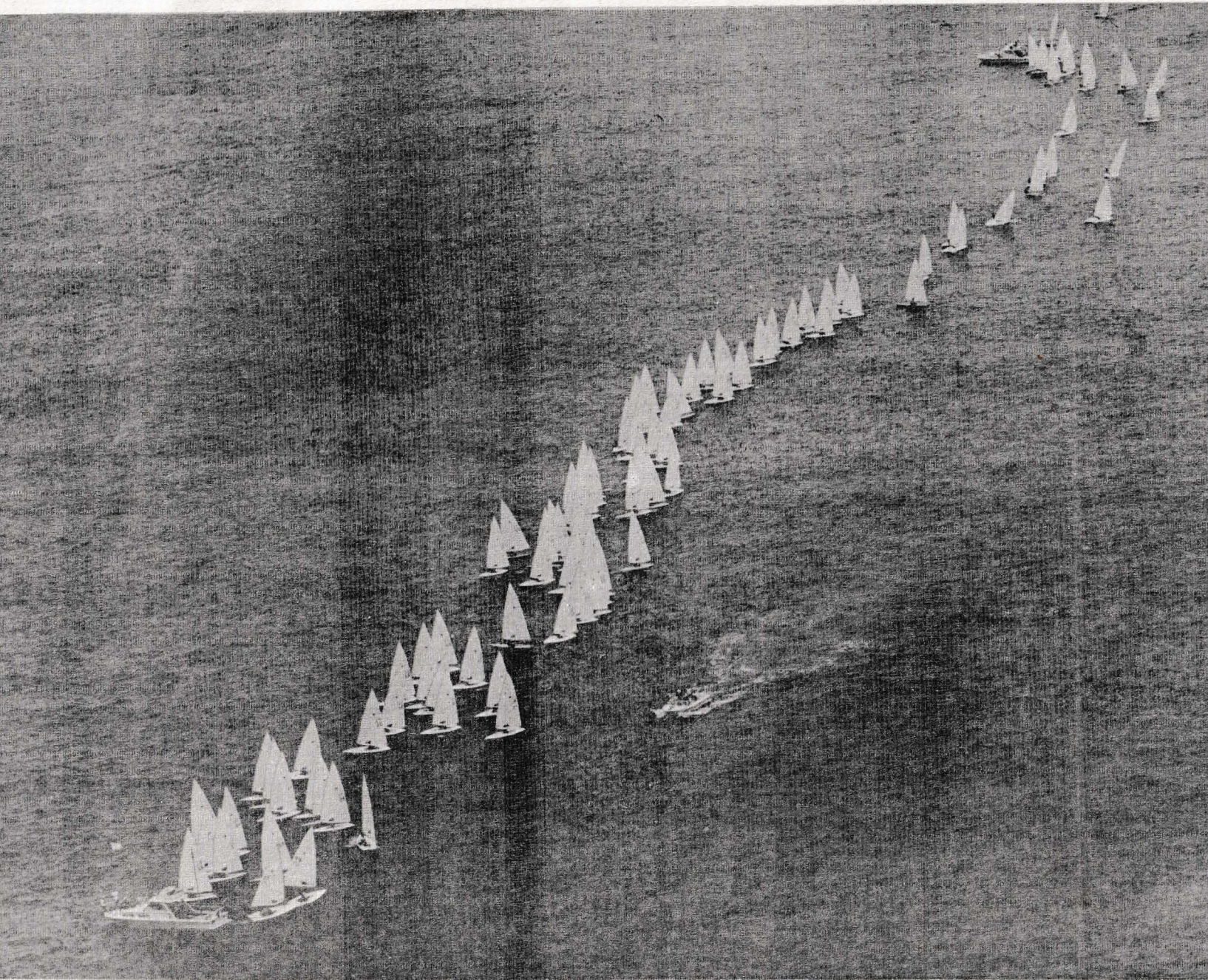
CABO FRIO, BRASIL

Best 6 Races Counting out of 7

RESULTS BY REGATTA SOFTWARE SYSTEM ON A HEWLETT PACKARD 9825

POS	NAME	SAIL NO	RACE 1 POS PTS	RACE 2 POS PTS	RACE 3 POS PTS	RACE 4 POS PTS	RACE 5 POS PTS	RACE 6 POS PTS	RACE 7 POS PTS	PR	TOTAL PTS	TOTAL LESS	POS WORST
1	JOHN BERTRAND	US 7	12 12.0	19 19.0	2 2.0	1 0.8	2 2.0	3 3.0	1 0.8		39.5	20.50	1
2	PETER COMETTE	US 25	36 36.0	2 2.0	21 21.0	3 3.0	6 6.0	5 5.0	9 9.0		82.0	46.00	2
3	MARK NEELEMAN	H 76	26 26.0	17 17.0	9 9.0	2 2.0	7 7.0	13 13.0	6 6.0		80.0	54.00	3
4	TIM ALEXANDER	KA 2	63 63.0	14 14.0	5 5.0	19 19.0	19 19.0	7 7.0	10 10.0		137.0	74.00	4
5	GARY KNAPP	US 55	43 43.0	5 5.0	64 64.0	9 9.0	4 4.0	11 11.0	4 4.0		140.0	76.00	5
6	MONTY SPINDLER	US 92	6 6.0	6 6.0	15 15.0	4 4.0	15 15.0	36 36.0	41 41.0		123.0	82.00	6
7	CAM LEWIS	US 61	73 73.0	59 59.0	7 7.0	8 8.0	1 0.8	21 21.0	3 3.0		171.8	98.75	7
8	WARWICK PHILLIPS	KA 83	77 77.0	68 68.0	1 0.8	11 11.0	5 5.0	4 4.0	11 11.0		176.8	99.75	8
9	CRAIG THOMAS	US 98	14 14.0	11 11.0	3 3.0	46 46.0	28 28.0	15 15.0	30 30.0		147.0	101.00	9
10	MANFRED KAUFFMAN	BL 53	7 7.0	15 15.0	61 61.0	16 16.0	3 3.0	37 37.0	25 25.0		164.0	103.00	10
11	ERIK BRAATHEN	N 15	71 71.0	20 20.0	11 11.0	21 21.0	10 10.0	28 28.0	18 18.0		179.0	108.00	11
12	GASTAO BRUN	BL 21	39 39.0	37 37.0	4 4.0	5 5.0	11 11.0	46 46.0	16 16.0		158.0	112.00	12
13	ANDREW FOULRES	KA 34	8 8.0	56 56.0	20 20.0	17 17.0	21 21.0	42 42.0	7 7.0		171.0	115.00	13
14	DAVID PERRY	US 81	15 15.0	76 76.0	44 44.0	24 24.0	17 17.0	17 17.0	5 5.0		198.0	122.00	14
15	ED ADAMS	US 1	29 29.0	41 41.0	6 6.0	23 23.0	15 16.0	88 88.0	19 19.0		222.0	134.00	15
16	SVEND CARLSEN	D 23	31 31.0	36 36.0	59 59.0	12 12.0	25 25.0	20 20.0	27 27.0		210.0	151.00	16
17	NICK KORVING	H 57	51 51.0	73 73.0	16 16.0	6 6.0	34 34.0	25 25.0	20 20.0		225.0	152.00	17
18	COR VAN AANHOLT	H 100	28 28.0	4 4.0	10 10.0	YMF 25.6	77 77.0	44 44.0	42 42.0		230.6	153.60	18
19	GEOFF GALE	KA 35	97 97.0	46 46.0	26 26.0	33 33.0	27 27.0	1 0.8	23 23.0		252.8	155.75	19
20	JOHN HESSE	H 44	5 5.0	57 57.0	19 19.0	10 10.0	59 59.0	18 18.0	74 74.0		242.0	168.00	20
21	PETER KARLSSON	S 52	62 62.0	43 43.0	13 13.0	22 22.0	18 18.0	41 41.0	34 34.0		233.0	171.00	21
22	HAD BRICK	US 17	55 55.0	71 71.0	8 8.0	13 13.0	42 42.0	30 30.0	33 33.0		252.0	181.00	22
23	LAWRENCE LEMIEUX	KC 60	74 74.0	44 44.0	52 52.0	49 49.0	23 23.0	2 2.0	14 14.0		258.0	184.00	23
24	RONALDO SENFFT	BL 89	10 10.0	65 65.0	56 56.0	14 14.0	37 37.0	56 56.0	12 12.0		250.0	185.00	24
25	STEVE JEFFERSON	US 47	86 86.0	7 7.0	35 35.0	37 37.0	13 13.0	10 10.0	88 88.0		276.0	188.00	25
26	RICHARD ROBINSON	K 87	16 16.0	10 10.0	53 53.0	26 26.0	48 48.0	60 60.0	36 36.0		249.0	189.00	26
27	MICHAEL JOHANSEN	D 48	20 20.0	23 23.0	40 40.0	25 25.0	46 46.0	35 35.0	88 88.0		277.0	189.00	27
28	CLAUDIO BIEKARCK	BL 8	44 44.0	45 45.0	41 41.0	57 57.0	8 8.0	40 40.0	13 13.0		248.0	191.00	28
29	TONY MANNING	KA 68	34 34.0	51 51.0	14 14.0	51 51.0	14 14.0	32 32.0	DNC107.0		303.0	196.00	29
30	PETER GRIFFITHS	KZ 40	47 47.0	78 78.0	33 33.0	39 39.0	29 29.0	34 34.0	15 15.0		275.0	197.00	30
31	ARNE LINDBERG	S 62	9 9.0	27 27.0	75 75.0	28 28.0	49 49.0	14 14.0	88 88.0		290.0	202.00	31
32	MAGNUS OLIN	S 78	48 48.0	55 55.0	102 102.0	50 50.0	9 9.0	12 12.0	29 29.0		305.0	203.00	32
33	STEWART NEFF	US 77	57 57.0	18 18.0	38 38.0	107 107.0	22 22.0	39 39.0	31 31.0		312.0	205.00	33
34	MIYUKI KAI	J 51	18 18.0	21 21.0	25 25.0	64 64.0	101 101.0	33 33.0	46 46.0		308.0	207.00	34
35	JEFF BOYD	KC 14	52 52.0	3 3.0	50 50.0	43 43.0	30 30.0	31 31.0	88 88.0		297.0	209.00	35
36	EDDY MARTIN	KC 69	33 33.0	48 48.0	23 23.0	34 34.0	20 20.0	88 88.0	51 51.0		297.0	209.00	36
37	CHRIS BARRY	KC 5	17 17.0	31 31.0	22 22.0	63 63.0	32 32.0	57 57.0	53 53.0		275.0	212.00	37
38	KELLY GOUGH	US 39	19 19.0	77 77.0	37 37.0	36 36.0	101 101.0	19 19.0	28 28.0		317.0	216.00	38
39	LASSE HJORTNAES	D 45	21 21.0	22 22.0	24 24.0	47 47.0	101 101.0	88 88.0	17 17.0		320.0	219.00	39
40	KAY SIMONDS	K 90	42 42.0	25 25.0	30 30.0	58 58.0	26 26.0	48 48.0	50 50.0		279.0	221.00	40
41	KURT MILLER	US 74	69 69.0	9 9.0	28 28.0	31 31.0	51 51.0	53 53.0	57 57.0		298.0	229.00	41
42	DAVID JONES	KA 50	92 92.0	13 13.0	42 42.0	59 59.0	54 54.0	22 22.0	39 39.0		321.0	229.00	42
43	GIANFRANCO ORADINI	I 60	80 80.0	49 49.0	12 12.0	42 42.0	38 38.0	27 27.0	63 63.0		311.0	231.00	43
44	TIM LAW	K 58	50 50.0	24 24.0	36 36.0	65 65.0	36 36.0	63 63.0	26 26.0		300.0	235.00	44
45	EDOUARD KESSI	Z 54	4 4.0	29 29.0	65 65.0	55 55.0	45 45.0	45 45.0	59 59.0		302.0	237.00	45
46	KLAUS STOHL	G 93	3 3.0	1 0.8	67 67.0	75 75.0	65 65.0	51 51.0	56 56.0		317.8	242.75	46
47	ROB RUTGERS	H 88	22 22.0	38 38.0	34 34.0	52 52.0	50 50.0	52 52.0	49 49.0		297.0	245.00	47
48	ROGER LUMBY	K 65	95 95.0	62 62.0	78 78.0	35 35.0	24 24.0	8 8.0	43 43.0		345.0	250.00	48
49	JONATHAN WESTON	US 102	100 100.0	52 52.0	43 43.0	29 29.0	58 58.0	24 24.0	44 44.0		350.0	250.00	49
50	JONATHAN MC KEE	US 70	60 60.0	47 47.0	57 57.0	18 18.0	43 43.0	88 88.0	32 32.0		345.0	257.00	50
51	STEVE BIRBECK	K 10	64 64.0	103 103.0	29 29.0	15 15.0	106 106.0	26 26.0	21 21.0		364.0	258.00	51
52	KEITH WILKINS	K 104	84 84.0	64 64.0	86 86.0	32 32.0	31 31.0	9 9.0	40 40.0		346.0	260.00	52

53	ALEXANDER HAGEN	G 42	13 13.0	69 69.0	69 69.0	45 45.0	44 44.0	DNC107.0	24 24.0	371.0264.00	53
54	PAUL MEO	KZ 71	67 67.0	82 82.0	81 81.0	27 27.0	101101.0	6 6.0	8 8.0	372.0271.00	54
55	DIRK KNOELMAN	KC 56	40 40.0	103103.0	32 32.0	30 30.0	55 55.0	72 72.0	48 48.0	380.0277.00	55
56	ANDERS MYRALF	D 75	109109.0	103103.0	55 55.0	38 38.0	35 35.0	29 29.0	22 22.0	391.0282.00	56
57	DAVID STRINGER	KZ 94	75 75.0	84 84.0	39 39.0	56 56.0	47 47.0	16 16.0	54 54.0	371.0287.00	57
58	PETER BOWER	K 12	90 90.0	103103.0	58 58.0	41 41.0	39 39.0	23 23.0	45 45.0	399.0296.00	58
59	SJAAK HACKMAN	H 41	81 81.0	74 74.0	47 47.0	60 60.0	40 40.0	43 43.0	37 37.0	382.0301.00	59
60	IAN BRUCE	KC 20	82 82.0	103103.0	17 17.0	89 89.0	12 12.0	DNC107.0	2 2.0	412.0305.00	60
61	JIM DEERING	US 28	78 78.0	75 75.0	18 18.0	48 48.0	33 33.0	54 54.0	DNC107.0	413.0306.00	61
62	HAKAN LINDSTROM	S 63	49 49.0	80 80.0	51 51.0	76 76.0	53 53.0	47 47.0	35 35.0	391.0311.00	62
63	MARK PHILLIPS	KA 82	30 30.0	42 42.0	72 72.0	61 61.0	66 66.0	64 64.0	61 61.0	396.0324.00	63
64	ALAIN CORTHESEY	Z 26	72 72.0	34 34.0	74 74.0	69 69.0	41 41.0	61 61.0	47 47.0	398.0324.00	64
65	IVAN PIMENTEL	BL 84	1 0.8	32 32.0	27 27.0	74 74.0	DNC107.0	88 88.0	DNC107.0	435.8328.75	65
66	PASCAL TETARD	F 97	35 35.0	35 35.0	DNC107.0	67 67.0	70 70.0	62 62.0	67 67.0	443.0336.00	66
67	G. TANASTSTJERNA	KC 96	11 11.0	8 8.0	88 88.0	102102.0	74 74.0	88 88.0	73 73.0	444.0342.00	67
68	WILLI GERLINGER	G 36	46 46.0	39 39.0	63 63.0	72 72.0	75 75.0	67 67.0	55 55.0	417.0342.00	68
69	GEORGE STUYTS	B 95	53 53.0	67 67.0	70 70.0	20 20.0	101101.0	38 38.0	DNC107.0	456.0349.00	69
70	TERJE THORVALDSEN	N 99	37 37.0	72 72.0	48 48.0	84 84.0	62 62.0	49 49.0	83 88.0	440.0352.00	70
71	IAN BROWN	KC 19	2 2.0	26 26.0	79 79.0	DNC107.0	69 69.0	74 74.0	DNC107.0	464.0357.00	71
72	PAUL MIACHIKA	KC 73	56 56.0	16 16.0	54 54.0	77 77.0	101101.0	68 68.0	88 88.0	460.0359.00	72
73	CLIVE BOULTON	UA 11	76 76.0	28 28.0	83 83.0	53 53.0	56 56.0	88 88.0	64 64.0	448.0360.00	73
74	LEONDAS ZERBOULIS	GR 107	38 38.0	66 66.0	60 60.0	80 80.0	64 64.0	69 69.0	66 66.0	443.0363.00	74
75	ANDREAS VON EICKEN	G 101	25 25.0	53 53.0	77 77.0	87 87.0	106106.0	70 70.0	52 52.0	470.0364.00	75
76	JACK COUCH	US 27	41 41.0	70 70.0	102102.0	62 62.0	61 61.0	71 71.0	70 70.0	477.0375.00	76
77	ANION LYAK	KA 67	87 87.0	33 33.0	66 66.0	66 66.0	101101.0	65 65.0	60 60.0	478.0377.00	77
78	SCOTT YOUNG	US 106	66 66.0	30 30.0	49 49.0	54 54.0	101101.0	88 88.0	DNC107.0	495.0388.00	78
79	CHRISTER BATH	S 6	27 27.0	103103.0	46 46.0	7 7.0	101101.0	DNC107.0	DNC107.0	498.0391.00	79
80	GREG BOWSER	KC 13	59 59.0	61 61.0	102102.0	44 44.0	60 60.0	DNC107.0	65 65.0	498.0391.00	80
81	ANDREAS JOHN	G 49	83 83.0	58 58.0	82 82.0	102102.0	52 52.0	50 50.0	72 72.0	499.0397.00	81
82	KEN EARLEY	US 29	24 24.0	103103.0	80 80.0	78 78.0	68 68.0	59 59.0	DNC107.0	519.0412.00	82
83	PETER LUNDT	US 66	23 23.0	50 50.0	92 92.0	85 85.0	79 79.0	88 88.0	88 88.0	505.0413.00	83
84	PAUL CAYARD	US 24	68 68.0	54 54.0	45 45.0	40 40.0	DNC107.0	DNC107.0	DNC107.0	528.0421.00	84
85	DEREK BREITENSTEIN	L 16	79 79.0	88 88.0	87 87.0	83 83.0	57 57.0	58 58.0	58 58.0	510.0422.00	85
86	ICHIRO ONUKI	J 79	58 58.0	63 63.0	91 91.0	79 79.0	80 80.0	75 75.0	71 71.0	517.0426.00	86
87	JOHN GERVAIS	US 37	88 88.0	86 86.0	71 71.0	68 68.0	73 73.0	66 66.0	68 68.0	520.0432.00	87
88	BOB WHITEHURST	US 103	45 45.0	12 12.0	89 89.0	81 81.0	101101.0	DNC107.0	DNC107.0	542.0435.00	88
89	GIL MERCIER	KC 72	32 32.0	103103.0	DNC107.0	90 90.0	72 72.0	DNC107.0	38 38.0	549.0442.00	89
90	DAVID FERGUSON	US 33	54 54.0	DNC107.0	85 85.0	70 70.0	71 71.0	DNC107.0	62 62.0	556.0449.00	90
91	DOUG BULL	US 22	91 91.0	85 85.0	84 84.0	71 71.0	76 76.0	55 55.0	88 88.0	550.0459.00	91
92	BERNARD LECAT	F 59	94 94.0	89 89.0	68 68.0	73 73.0	106106.0	73 73.0	88 88.0	591.0485.00	92
93	WALTER RITSCHKA	OE 86	70 70.0	83 83.0	62 62.0	DNC107.0	63 63.0	DNC107.0	DNC107.0	599.0492.00	93
94	GARY HARRIS	US 43	101101.0	87 87.0	76 76.0	82 82.0	67 67.0	88 88.0	DNC107.0	608.0501.00	94
95	KEVIN FAWCETT	K 32	109109.0	60 60.0	31 31.0	102102.0	106106.0	DNC107.0	DNC107.0	622.0513.00	95
96	BOB BIGELOW	US 9	61 61.0	103103.0	96 96.0	102102.0	78 78.0	DNC107.0	77 77.0	624.0517.00	96
97	ROSS RICHARDS	US 85	65 65.0	103103.0	93 93.0	92 92.0	101101.0	DNC107.0	69 69.0	630.0523.00	97
98	BRUCE EVANS	KC 31	96 96.0	79 79.0	97 97.0	91 91.0	101101.0	88 88.0	75 75.0	627.0526.00	98
99	DAVID HOOPER	KB 46	93 93.0	81 81.0	102102.0	102102.0	81 81.0	88 88.0	88 88.0	635.0533.00	99
100	ROBERT WILLIAMS	US 105	85 85.0	103103.0	95 95.0	88 88.0	101101.0	DNC107.0	76 76.0	655.0548.00	100
101	BOB BRITTEN	KC 18	99 99.0	40 40.0	102102.0	102102.0	DNC107.0	DNC107.0	DNC107.0	664.0557.00	101
102	TREVOR GOODBODY	IR 38	98 98.0	103103.0	73 73.0	102102.0	101101.0	88 88.0	DNC107.0	672.0565.00	102
103	GERARDO PLATS	V 30	102102.0	90 90.0	94 94.0	102102.0	101101.0	DNC107.0	78 78.0	674.0567.00	103
104	RANDALL SMITH	US 91	89 89.0	103103.0	90 90.0	86 86.0	101101.0	DNC107.0	DNC107.0	683.0576.00	104
105	ANTONIO ANTIVANI	I 3	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	749.0642.00	105
105	LUCA ANTIVANI	I 4	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	749.0642.00	105
105	ARMIN LORANG	OE 64	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	DNC107.0	749.0642.00	105



III. STATISTICS

Only one competitor failed to complete the statistical portion of the entry form, while one competitor insists he is of pygmy dimensions and has, therefore, not been included in the height category.

AGE		
Years	Nº	%
20	26	25,0
21-25	43	41,3
26-30	15	14,4
31-40	18	17,3
41	1	1,0
DNR*	1	1,0
Total	104	100,0

HEIGHT		
Metres	Nº	%
1,60	-	-
1,61-1,70	6	5,8
1,71-1,80	36	34,6
1,81-1,90	47	45,2
1,91	13	12,5
DNR*	2	1,9
Total	104	100,0

WEIGHT		
Kilos	Nº	%
60	1	1,0
61-70	19	18,3
71-80	63	60,5
81	20	19,2
DNR*	1	1,0
Total	104	100,0

* Did Not Report statistic

Average age: 24,3 yrs

Average height: 1,81m

Average weight: 74,9 kg

Oldest competitor

- Ian Bruce, 44

Tallest competitor

- John Hesse, 1,97m

Heaviest competitor

- Greg Bowser, 88 kg

Young competitors

- B Bigelow)
 L Hjortnaes) 17
 A John)
 J McKee)

Shortest competitor

- Miyuki Kai, 1,64m

Lightest competitor

- Bob Whitehurst, 59 kg

Competitors had sailed the Laser for an overall average of 2,88 years, with Gary Harris the newest addict reporting six months in the boat and Ian Bruce obviously with the most time in it - seven years.

For statistics addicts, we give below the age, height, weight and length of time sailing a Laser of the ten first finishers :

		Age	Height	Weight	Time sailing
John Bertrand	USA	21	1,88	75	4 years
Peter Commette	USA	23	1,84	75	6 years
Mark Neeleman	Holland	18	1,82	80	2 years
Tim Alexander	Australia	28	1,85	82	1 year
Gary Knapp	USA	21	1,84	75	6 years
Monty Spindler	USA	21	1,90	75	5 years
Cam Lewis	USA	20	1,92	81	5 years
Warwick Phillips	Australia	27	1,82	78	2 years
Craig Thomas	USA	25	1,89	82	4 years
Manfred Kauffman	Brasil	24	1,84	83	1,5 years

IV. LIST OF PARTICIPANTS, RACE COMMITTEE AND JURY - WITH HOME ADDRESSES

Participants

ADAMS, Ed 2 Brier Court, Warwick, RI 02886, USA
 ALEXANDER, Tim 1777 Lavender Street, Lavender Bay 2060, NSW, Australia
 BARRY, Chris 13 Dacotan Avenue, Algonquin Island, Toronto, Canada
 BATH, Christer Carl Grimbergsgatan 29, 41313 Goteborg, Sweden
 BERTRAND, John 42 Porto Bello, San Rafael, CA 94901, USA
 BIEKARCK, Claudio Rua São José 545, São Paulo, SP, Brasil
 BIGELOW, Bob 938 Laguna Drive, Tempe, Arizona 85282, USA
 BIRBECK, Steve 29 Sutton Close, Barton, Torquay, Devon, England
 BOULTON, Clive Box 980, Dubai
 BOWER, Peter 21 Ashbourne Drive, High Lane, Stockport, Cheshire, England
 BOWSER, Greg 130 Main Road, Como, Quebec J0P 1A0, Canada
 BOYD, Jeff 116 Bagot Street, Kingston, Ontario, Canada
 BRAATHEN, Erik N. Ullern terr 1, Oslo 2, Norway
 BREITENSTEIN, Derek Kulosaarent 23A, 00570 Helsinki 57, Finland
 BRICK, Had Taunton at Tuckerton, Medford, NJ 08055, USA
 BRITTEN, Bob 2545 Beaufort Road, Sidney, BC, Canada
 BROWN, Ian 533 Arbor Road, Mississauga, Ontario, Canada
 BRUCE, Ian 20 Allan Point, Dorval, Quebec, Canada
 BRUN, Gastão Rua Maria Eugenia 200, Rio de Janeiro, Brasil
 BULL, Doug 25200 Carlos Bee Blvd, Hayward, CA 94542, USA
 CARLSEN, Svend Skelstedet 28, 2950 Vedbaek, Denmark
 CAYARD, Paul 151 Piedmont Avenue, San Bruno, CA 94066, USA
 COMMETTE, Peter Mantoloking, NJ, USA
 CORTHESEY, Alain Rumine 45, 1005 Lausanne, Switzerland
 COUCH, Jack 39 West Avenue, Essex, CT 06426, USA
 DEERING, Jim 25 - 6th Terrace, Ortley Beach, NJ 08751, USA
 EARLEY, Ken 622 Circle Drive West, Largo, FLA 33540, USA
 EVANS, Bruce 6297 Yale Street, Halifax, NS, Canada
 FAWCETT, Kevin 46 Myers Road West, Crosby, Liverpool L23 0RU, England
 FERGUSON, David 1810 Comstock Lane, Wayzata, Minnesota 55391, USA
 FOULKES, Andrew 193 Karingal Drive, Karingal, Victoria, Australia
 GALE, Geoff Mitala Street, Newport, NSW 2106, Australia
 GERLINGER, Willi Pognerstrasse 1, 8000 Munchen 70, Germany
 GERVAIS, John 33 Pitt Street, Apt 6, Charleston, SC, USA
 GOODBODY, Trevor Kiltulla, Athenry, Co. Galway, Ireland
 GOUGH, Kelly 605 King Drive, Bedford, Texas 76021, USA
 GRIFFITHS, Peter 13 Dingle Road, Auckland, New Zealand
 HAAKMAN, Sjaak Kaagweg 7, Wervershoof, Holland
 HAGEN, Alexander Elsassersstrasse 46, 24 Lubeck, W Germany
 HARRIS, Gary 5291 Front Street, Linwood Park, Vermilion, Ohio 44089, USA
 HESSE, John Kolfstraat 12, Groningen, Holland
 HJORTNAES, Lasse Bregnevandet 53, 3050 Humlebaek, Denmark
 HOOPER, David 96 Gerrard Street E, Apt 11D2, Toronto, Canada
 JEPPESEN, Steve 366 Ardendale Drive, Daly City, CA 94014, USA
 JOHANSEN, Michael Gr1. Strandvej 272, 3050 Humlebaek, Denmark
 JOHN, Andreas Im Haarmannsbusch 114a, 4630 Bochum 1, W Germany
 JONES, David 61 Bastick Street, Rosny, Hobart, Tasmania, Australia
 KAI, Miyuki Hanin 433, Kiyoutu City, Niigata, Japan
 KARLSSON, Peter Ejdergatan 60, 59300 Vastervik, Sweden
 KAUFFMAN, Manfred Rua General Gaudie Ley 266, 04777 São Paulo, Brasil
 KESSI, Edouard Route de St Lègieu 7, 1800 Vevey, Switzerland
 KNAPP, Gary Rte 106, Syosset, NY 11791, USA
 KNEULMAN, Dirk 243 Speers Road, Oakville, Ontario, Canada
 KORVING, Nick 98 Sormany Road, Durban, Natal, South Africa
 LAW, Tim Appletree Cottage, East Clandon, Surrey, England
 LECAT, Bernard 155 avenue de Grammont, Tours 37000, France
 LEMIEUX, Lawrence 9715 - 154 Street, Edmonton, Alberta, Canada
 LEWIS, Cameron 184 Forest Street, Sherborn, Mass, USA
 LINDBERG, Arne Rodabergsg. 5/III, 113 33 Stockholm, Sweden
 LINDSTROM, Hakan Staregatan 102, Stockholm, Sweden
 LUMBY, Roger 62 Sefton Street, Putney, London SW15, England
 LUNDT, Peter Box 244, Middleton, Wisconsin 53562, USA
 LYNAR, Anton 5 Eastgate Avenue, Killara, NSW, Australia
 MANNING, Tony 70 Comer Street, East Brighton, Victoria 3187, Australia
 MARTIN, Eddy 445 Ter. Hamel, Ste Dorothee, Laval, Quebec, Canada

MCKEE, Jonathan 16709 41st Street NE, Seattle, Washington, USA
 MEO, Paul 85 Orova Street, Eastbourne, Wellington, New Zealand
 MERCIER, Gil 80 Lakeshore Road, Apt 705, Pointe Claire, Quebec, Canada
 MIACHIKA, Paul 530 Thetford Place, West Vancouver, BC, Canada
 MILLER, Kurt 505 Pier Avenue, Hermose Beach, California, USA
 MYRALF, Anders Gl. Have Alle 3E, 2920 Charlottenlund, Denmark
 NEELEMAN, Mark 's Gravenbroekseweg 68, Roeiwijk, Holland
 NEFF, Stewart 207 West Hall, Tufts University, Medford, Mass 02155, USA
 OLIN, Magnus Agner. 15, S-18236 Djursholm, Sweden
 ONUKI, Ichiro 2-12-19 Shinjuku Zushi-shi, Kanagawa 249, Japan
 ORADINI, Gianfranco Arco Loc Linfano N° 70, Italy
 PERRY, David 1100 Pequot Road, Southport, Conn 06490, USA
 PHILLIPS, Mark 1794 Pittwater Road, Bayview, NSW 2104, Australia
 PHILLIPS, Warwick 5/470 Pacific Highway, Lindfield, Sydney, Australia
 PIMENTEL, Ivan Rua Maria Quitéria 121/305, Rio de Janeiro, Brasil
 PRATS, Gerardo Av. Araure Edif. Araure 263, Apt 6e, Chuao, Caracas, Venezuela
 RICHARDS, Ross 57 Winding Road, Rochester, NY 14618, USA
 RITSCHKA, Walter Schreiberweg 81, A-1190 Vienna, Austria
 ROBINSON, Richard 2 Ludlow Drive, West Kirby, Wirral, Merseyside, England
 RUTGERS, Rob Badhuisweg 11, Zutphen, Holland
 SENFFT, Ronaldo Rua Arariboia 141, Niterói, RJ, Brasil
 SIMONDS, Raymond 5 Archel Road, London W14, England
 SMITH, Randall 502 Edwards, Houghton, Michigan 48080, USA
 SPINDLER, Monty Rt.5, Hidden Point Road, Annapolis, Md 21401, USA
 STOHL, Klaus P. Aschervinger Weg 1A, 8134 Pocking, BRD, W Germany
 STRINGER, David 578 George Street, Dunedin, New Zealand
 STUYTS, George Akkerwindestraat 17, 2050 Antwerp, Belgium
 TAWASTSTJERNA, Greg 7 Heathoale Road, Toronto, Ont, Canada
 TETARD, Pascal 8 rue de Vézéley, Paris 25008, France
 THOMAS, Craig 6301 NE Radford Drive, Seattle, Washington, USA
 THORVALDSEN, Terje 100 N Whisman Road, Mt View, CA 94043, USA
 VAN AANHOLT, Cor Botanicuslaan 17, Haren (GR); Holland
 VON EICKEN, Andreas Hochallee 68, 2 Hamburg 13, W Germany
 WESTON, Jonathan 12901 Firth Court, Apt. H.13, Tampa, FLA 33612, USA
 WHITEHURST, Bob 5003 Prieto Drive, Pensacola, FLA 32506, USA
 WILKINS, Keith 14 Christchurch Road, Bristol 8, England
 WILLIAMS, Robert HB.4087, Dartmouth College, Hanover, NH 03755, USA
 YOUNG, Scott 10284 Vinemont, Dallas, Texas 75218, USA
 ZERBOULIS, Leonidas Caixa Postal 64, Cabo Frio, RJ, Brasil

Jury

CHISHOLM, Ted 153 Heath Street E, Toronto, Ontario, Canada
 FRASER, Ian Bracken, Casawes, Perranarworthal, Truro, Cornwall, England
 INNECCO, Mario Av. Franklin Roosevelt 23/1004, Rio de Janeiro, Brasil
 LOTAR, George D. Rua Francisco Sã, 95/101, Copacabana, Rio de Janeiro, Brasil
 RYAN, Kenneth 28 Sydney Avenue, Blackrock, Co Dublin, Ireland

Race Committee

ASTBURY, Bill Rua Edson Regis 270, São Paulo, SP, Brasil
 AZEVEDO, Marcelo R. Alm. Gomes Pereira 26, Rio de Janeiro, Brasil
 BIRBECK, Harry 45 Abbey Road, Torquay, England
 COVENTRY, Tim Rosewarren Cottage, Old Church Rd, Mawnan Smith, Falmouth, England
 LACHMANN, Laurits Rua Cedro 152, Gávea, Rio de Janeiro, Brasil
 MARTIN, Jeff Paradise Cottage, Bridge, Constantine, Nr Falmouth, England
 RITTER, Ted 165 Frobisher Drive, Apt 402, Pointe Claire, Quebec, Canada
 ROMME, Jan European Laser Assoc, Kernick Rd Ind Estate, Penryn, TR10 9EP, England
 SULZBECK, André Alameda Itú 859, Aptº 33, São Paulo, SP, Brasil
 VAN ELLEMEET, Paul Amstelstraät 13, Terneuzen, Holland
 VEIGA, Hamilcar Rua Xavier Silveira 34/501, Rio de Janeiro, Brasil
 SMITH, Linda 1000 River Reach Drive, Apt.520, Ft Lauderdale, FLA 33315, USA

Co-ordinator of Championship

BUCKUP, Cornelia Rua Lauro Muller 36/1304, Rio de Janeiro, Brasil

V. FINANCIAL STATEMENT (draft - unaudited)

INCOME

Sponsors - Itaū	Cr\$200 000,00		
Brahma	100 000,00		
Coca Cola	50 000,00		
Shell	15 000,00	Cr\$365 000,00	
Other - Boutique	29 559,00		
Guests	18 300,00		
Press	2 900,00	50 759,00	Cr\$ 415 759,00

EXPENDITURE

Transportation	25 833,03		
Printing, duplication, and office supplies	31 321,60		
Race Office staff	54 500,00		
Food and Entertainment	11 340,00		
Nautical Support	15 589,00		
Prizes, Gifts and Customs Duty on same	59 011,50		
Accommodation and Travel Jury, Race Committee and Doctor	159 705,50		
Boat Park rental, etc	53 149,00		
Computer insurance	8 830,14		
Miscellaneous	3 644,00	Cr\$422 923,77	
Loss to date		(7 164,77)	Cr\$ 415 759,00

Other expenses include :

Gasoline	55 000,00	} paid by Iate Clube do Rio de Janeiro
Opening buffet	20 000,00	
Transportation Hotel/Boat Park	25 000,00	} paid by Municipality of Cabo Frio
Closing dinner	20 000,00	
Programme	30 000,00	

VI. REMARKS

The two main recommendations to come from the Cabo Frio championship seem to be -

- i. It is essential that all competitors from cooler climates arrive at least four days before training races commence in order to acclimatise themselves to the burning rays of the sun, the salt water and wind, as well as local food and water.

The European group had three full days in Rio before driving to Cabo Frio where they had a full day before the North American group arrived. The latter came only one day before training and gate-start practices commenced: they were tired, pale and had jet-lag and it took them a few days to really settle down.

It is also recommended that championships held in tropical countries be sailed in early spring, to avoid the intense heat of summer which is in drastic contrast to the cold northern climates.

- ii. If it is to be a joint venture championship organisation, it is essential that both parties be on site for at least one month before competition starts. Mail, telex and telephone are not sufficient methods of communication at the last critical stages, and on-the-water race management can be tested well in advance. Accommodations, too, can be altered where necessary.

The overall opinion of visitors about the town of Cabo Frio as a racing area was more than favourable, with criticism only of the distance between the hotel and the boat park. The original scheme to beach Lasers on the small island opposite the Iate Clube do Rio de Janeiro, just inside the canal, had to be shelved when it was realised that, at low water, there was insufficient draught to sail out into the bay.

The gate start proved its acceptability in a fleet of the size of the championship, as there was much delay incurred with regular starts.

With minor exceptions, it would appear that the "all in" flight and hotel group package offered to participants and visitors provided an inexpensive method of travelling such a vast distance. Eating out in Cabo Frio was by no means expensive - there were many favourable comments about the churrascaria "O Encontro", the Il Maffioso pizzeria and the meals offered at the Iate Clube do Rio de Janeiro. Also, the enjoyment of the Brazilian drink the "caipirinha" and the local beer seemed to add to the pleasure of all.

The computed race results were speedy and much appreciated by the sailors; it is, however, recommended that sufficient paper be provided in future for all participants to receive a copy of the final result sheet.

Many of the worries of the Brazilian Organising Committee were unfounded - language being one, and the adverse criticism of the Brazilian boats which had preceded competition was another.

