

# NUTS NOTES

Vol.19 No.3

August 1981

The Editor recently received a letter from Chris Thorne saying that the last issue of NUTS NOTES arrived in the same post as an issue of 'The Orienteer'. Chris is and has been an orienteer as well as a NUT for some time and he suddenly felt minded to write. He says the following article is a sort of warning about over-sophistication of Statistics.....

## A CAUTIONARY TALE

Orienteering has for many years had a seemingly complex, but logical, scheme for organising competitions and grading results. We may think that Boys, Youths, Juniors, Seniors and Veterans are a lot of age categories to have, but male orienteers are M.10 (i.e. up to 10 years old), M.11 (10-11), M.13, M.15, M.17, M.19, M.21, M.35, M.43, M.50 or M.56 and the women are similarly divided (although with 2 fewer categories). To allow for differences in terrain, penetrability of the woodland, weather etc., results are categorised by comparison with the leaders on the day. Thus, in any one age class, the time of the first 3 home is averaged; then, if a time is within 1.25 x that time, it is graded Gold; if between 1.25 x and 1.5 x that time, it is Silver; if between 1.5 x and 2.0 x, it is Bronze. Simple? Well, considering that most orienteers seem to have at least one university degree (often two) in either Maths or Physics, this would certainly be classed as simple.

But it has recently been decided to try to produce a Computer Based British Ranking List and this has proved to be too much for some. The Ranking List is established by taking an Orienteer's best 4 competitions (of the previous 12 month period), and allocating points to each. The points for a given competition are obtained by dividing the Orienteer's time into the "Ideal Time" for that competition then multiplying by 1000. The "Ideal Time" is a theoretical time that the best British Orienteer in that age group would have taken on that day under those conditions. O.K. so far? But how is the "Ideal Time" calculated? You find the three highest ranked Orienteers (on the existing ranking list as it exists) who finish in the top 20 of the event; you average their time, you average the points they already hold, you multiply the two together and divide by 4600! Where does 4600 come from? 4600 would be the score obtained by an Orienteer who achieved an "Ideal Time" in the British Championships, the Jan Kyellstrom (a very top class competition) and two regional championships (because the first two are weighted x 1.2 and the second two x 1.1).

Have you had enough? It seems to be too much even for the Orienteers, judging by the correspondence in the Orienteers magazine. So perhaps we NUTS should beware of too much mathematising: the worries of precisely what advantage was gained by altitude and wind (which seems to bother the TFN editors perhaps more than us); the business of using probability theory to turn feet and inches into metres (another TFN peculiarity); the ranking of number of appearances in the World Rankings! Back to some basics - it's as much as I can do to discover the date of birth of half the CUAC athletes; and even a problem to know whether they are hurdling at 3'3" or 3'6"!

Chris Thorne

HAMMER LIST - INTRODUCTION

This compilation is an attempt to produce the most detailed Hammer List ever. The preparation of the list was made easier by the kind assistance of the following:- Siegfried Banse (GFR), Peter Graham (UK), Andris Stagis (USSR), Rooney Magnusson (Swe) and Andrew Huxtable.

The sources for the list are as follows:-

ATFS Publications, START, Leichtathletik, Athletics Weekly, Track and Field News, Deutsche Leichtathletik Statistik - Band I (Banse), Lyogkaya Atletika, Atletica (Italy), Der Leichtathlet and various national yearbooks.

As series for 70 of the top 172 marks are missing, readers may well be able to supply additional data, as well as amendments. All will be gratefully received by the compiler.

Richard Hymans  
14D Vera Road,  
Fulham,  
London SW6 6RN

OG = Olympic Games

EP = European Cup

Prav = Pravda Cup

WP = World Cup

NC = National Championship

ZM = Znamenskiy Memorial

EC = European Championship

EJ = European Junior championships

KM = Kusocinski Memorial

WORLD HAMMER ALL-TIME LIST

Yuriy Sergey	Sedykh Litvinov Litvinov-2 Litvinov-3 Sedykh Riehm Riehm-2 Riehm-3 Sedykh-3 Litvinov-4	(SU-1)55 (SU-2)58 81.66 (1) 81.08 (1) 81.08 (1) 80.84 (1) (GFR-1)51 80.80 (1) 80.78 (1) 80.66 (1) 80.64 (1) 80.64 (2)	81.80 (1) OG 81.66 (1) Sochi 81.08 (1) Moskva 81.08 (1) Podolsk 80.84 (1) NC Donetsk 80.80 (1) Rhede 80.78 (1) Roma 80.66 (1) WK Zurich 80.64 (1) Leselidze 80.64 (2) OG Moskva	Moskva Sochi Moskva Podolsk Donetsk Rhede Roma Zurich Leselidze Moskva	31 Jul 80 24 May 80 21 Jun 80 12 Jul 80 8 Sep 80 30 Jul 80 5 Aug 80 13 Aug 80 16 May 80 31 Jul 80 (10)
Boris Juri	Sedykh-4 Zaychuk Tamm Tamm-2	(SU-3)47 (SU-4)57 80.46 (2) 80.40 (1)	80.54 (2) 80.48 (2) 80.46 (2) 80.40 (1) ZM	Roma Sochi Leselidze Moskva	5 Aug 80 24 May 80 16 May 80 5 Jul 80
Igor	Nikulin Riehm-4 Riehm-5 Zaychuk-2 Nikulin-2 Nikulin-3	(SU-5)60 80.34 (2) 80.32 (1) 80.26 (1) 80.14 (1) 80.08 (1) 80.02 (1)	80.34 (2) 80.32 (1) 80.26 (1) 80.14 (1) 80.08 (1) 80.02 (1)	Moskva Heidenheim Lignano Moskva Prague Leselidze	21 Jun 80 6 Aug 78 23 Aug 80 9 Jul 78 11 May 80 24 Apr 80 (20)
	Riehm-6 Sedykh-5 Litvinov-5 Nikulin-4 Litvinov-6 Sedykh-6 Tamm-3 Sedykh-7 Zaychuk-3 Riehm-7	80.00 (1) 79.98 (3) 79.86 (2) 79.86 (2) 79.82 (1)vGDR 79.76 (1) WK 79.54 (4) 79.50 (1)Prav 79.46 (3) 79.44 (1)	ZM Moskva Podolsk Leipzig Zurich Sochi Moskva Podolsk Bremen	Madrid Sochi Podolsk Leipzig Zurich Sochi Moskva Podolsk Bremen	24 May 80 24 May 80 5 Jul 80 12 Jul 80 24 Jun 79 16 Aug 78 24 May 80 12 Jun 80 12 Jul 80 15 Jun 80 (30)

Walter	Schmidt	(GFR-2)48	79.30 (1)		Frankfurt/M	14 Aug 75
	Riehm-8		79.26 (1)	ISTAf	Berlin	8 Aug 80
Manfred	Huning	(GFR-3)53	79.16 (1)		Dortmund	22 Aug 79
	Riehm-9		79.12 (1)		Rehlingen	15 May 78
	Sedykh-8		78.96 (3)	ZM	Moskva	5 Jul 80
	Tamm-4		78.96 (3)	OG	Moskva	31 Jul 80
	Litvinov-7		78.94 (3)		Leselidze	16 May 80
Detlef	Gerstenberg	(GDR-1)57	78.94 (1)		Erfurt	18 May 80
	Sedykh-9		78.86 (1)	Prav	Sochi	12 May 76
	Riehm-10		78.86 (1)		Dissen	31 Aug 80 (40)
	Nikulin-5		78.84 (4)	ZM	Moskva	5 Jul 80
	Zaychuk-4		78.80 (1)		Moskva	3 Jun 78
	Litvinov-8		78.86 (2)	WK	Zurich	13 Aug 80
	Litvinov-9		78.70 (1)	WP	Montreal	25 Aug 79
	Nikulin-6		78.68 (1)		Leselidze	23 Mar 80
	Riehm-11		78.66 (1)	EP	Torino	4 Aug 79
	Nikulin-7		78.64 (2)	NC	Donetsk	8 Sep 80
Aleksey	Spiridonov(10)	(SU-6)51	78.62 (1)	vUK	Kiev	22 May 76
	Zaychuk-5		78.62 (1)	Prav	Tbilisi	16 Jun 78
Aleksandr	Kozlov	(SU-7)52	78.58 (5)		Sochi	24 May 80 (50)
	Riehm-12		78.56 (1)		Rhede	19 Jul 78
	Sedykh-10		78.54 (1)	vFra	Paris	9 Jul 76
	Riehm-13		78.54 (1)	WK	Zurich	16 Aug 78
	Tamm-5		78.54 (1)		Caorle	24 Aug 80
	Riehm-14		78.52 (1)		Koln	21 May 76
	Riehm-15		78.52 (1)	NC	Koln	13 Aug 78
	Zaychuk-6		78.52 (1)		Leselidze	28 Apr 80
Aleksey	Malyukov	(SU-8)50	78.52 (6)		Sochi	24 May 80
	Riehm-16		78.52 (1)		Kamp-Lintfort	31 May 80
	Nikulin-8		78.52 (1)		Leningrad	31 Aug 80 (60)
	Riehm-17		78.50 (1)		Rehlingen	19 May 75
	Sedykh-11		78.50 (1)	NC	Kiev	24 Jun 76
	Malyukov-2		78.50 (2)		Leselidze	24 Apr 80
	Riehm-18		78.42 (1)		Stuttgart	22 Aug 78
	Litvinov-10		78.42 (1)	WK	Zurich	15 Aug 79
	Zaychuk-7		78.42 (5)	ZM	Moskva	5 Jul 80
	Tamm-6		78.40 (3)		Moskva	21 Jun 80
	Zaychuk-8		78.40 (1)		Kalinin	13 Aug 80
	Riehm-19		78.34 (1)		Sofia	31 May 75
	Malyukov-3		78.32 (2)		Moskva	3 Jun 78 (70)
	Litvinov-11		78.32 (1)		Sochi	24 Feb 80
	Litvinov-12		78.32 (1)		Leselidze	26 Apr 80
	Riehm-20		78.24 (1)		Rehlingen	26 May 80
	Sedykh-12		78.22 (0)	OG	Moskva	30 Jul 80
	Riehm-21		78.18 (1)		Rhede	2 Jul 75
	Zaychuk-9		78.18 (1)		Podolsk	9 Jul 78
	Zaychuk-10		78.16 (4)		Moskva	21 Jun 80
Roland	Steuk	(GDR-2)59	78.14 (1)	NC	Leipzig	30 Jun 78
	Nikulin-9		78.14 (1)		Leselidze	17 Feb 80
	Riehm-22		78.14 (1)		Essen	19 Aug 80 (80)
	Nikulin-10		78.10 (3)		Leselidze	28 Apr 80
	Zaychuk-11		78.08 (2)		Leselidze	24 Apr 80
	Riehm-23		78.08 (1)	vPol	Warszawa	10 Jun 80
	Sedykh-13		78.06 (1)		Kerava	17 Aug 80
	Riehm-24		78.04 (1)		Lignano	18 Aug 79
	Schmidt-2		78.02 (1)		Darmstadt	20 Jul 76
	Riehm-25		78.02 (1)		Rhede	18 Jul 79
	Spiridonov-2		78.00 (1)	vUSA	College Park	6 Aug 76
	Malyukov-4		77.96 (1)		Moskva	24 Jun 79
	Tamm-7		77.96 (4)		Leselidze	28 Apr 80 (90)

	Huning-2	77.96 (2)	Rhede	30 Jul 80	
	Sedykh-14	77.92 (1)	Sofia	23 May 76	
	Malyukov-5	77.92 (3)	Leselidze	24 Apr 80	
	Sedykh-15	77.90 (2)	vUSA College Park	6 Aug 76	
	Malyukov-6	77.86 (5)	Moskva	21 Jun 80	
Gian Paolo	Urlando	(ITA-1)45	77.84 (1)	Pescara	7 Jun 80
	Steuk-2		77.82 (1)	Berlin	15 Jun 78
	Gerstenberg-2		77.82 (1)	Berlin	17 May 79
Aleksandr	Buneyev	(SU-9)50	77.80 (1)	Cheboksary	31 May 80
	Riehm-26		77.80 (1) NC	Hanover	17 Aug 80 (100)
	Sedykh-16	77.80 (1)	Karhula	19 Aug 80	
	Steuk-3	77.72 (1) NC	Cottbus	18 Jul 80	
	Steuk-4	77.70 (1)	Potsdam	24 Aug 78	
	Nikulin-11	77.70 (1)	Praha	14 May 80	
	Tamm-8	77.68 (2)	Prav Moskva	12 Jun 80	
Dzhumber	Pkhakadze	(SU-10)51	77.64 (1)	Tbilisi	26 May 75
	Steuk-5		77.64 (1)	Berlin	24 May 79
	Litvinov-13		77.62 (1)	Leselidze	3 Jun 79
	Riehm-27		77.62 (1) ISTAF Berlin	17 Aug 79	
	Zaychuk-12		77.62 (4)	Leselidze	16 May 80 (110)
	Riehm-28	77.60 (1) vUSA	Gelsenkirchen	26 Jun 77	
Vladimir	Lesovoy	(SU-11)47	77.60 (1)	Alma-Ata	27 Jun 77
Klaus	Ploghaus	(GFR-4)56	77.60 (3)	Roma	5 Aug 80
	Riehm-29		77.58 (1)	Torino	12 Jul 75
Valentin	Dmitrenko	(SU-12)51	77.58 (1)	Stuttgart	26 Aug 75
	Sedykh-17		77.58 (1)	Akashi	3 May 79
	Ploghaus-2		77.58 (1) KM	Warszawa	13 Jun 80
	Sedykh-18		77.58 (2)	Leselidze	17 Feb 80
	Litvinov-14		77.54 (1)	Leselidze	27 Jan 80
	Steuk-6		77.54 (4) OG	Moskva	31 Jul 80 (120)
	Sedykh-29	77.52 (1) OG	Montreal	28 Jul 76	
	Litvinov-15	77.52 (5)	Leselidze	28 Apr 80	
	Riehm-30	77.50 (1) EP	Nice	16 Aug 75	
	Riehm-31	77.50 (1) vIta	Formia	18 May 80	
	Litvinov-16	77.50 (Q) ZM	Moskva	4 Jul 80	
	Steuk-7	77.48 (1)	Erfurt	27 May 78	
	Litvinov-17	77.48 (1)	Donetsk	15 Sep 79	
	Riehm-32	77.46 (1)	Hanover	21 May 78	
	Malyukov-7	77.46 (1)	Riga	13 Aug 78	
	Nikulin-12	77.46 (2)	Leselidze	27 Jan 80 (130)	
	Riehm-33	77.44 (1) NC	Gelsenkirchen	28 Jun 75	
	Sedykh-20	77.44 (1) ZM	Vilnius	22 Jul 78	
Anatoliy	Ploghaus-3	77.44 (3)	Rhede	30 Jul 80	
	Bondarchuk (20)	(SU-13)40	77.42 (2) NC	Kiev	24 Jun 76
	Malyukov-8	77.42 (1)	Moskva	5 Aug 78	
	Litvinov-18	77.42 (1) Prav	Sochi	9 Jun 79	
	Zaychuk-13	77.42 (1)	Moskva	7 Jul 79	
	Riehm-34	77.42 (2) WK	Zurich	15 Aug 79	
	Nikulin-13	77.42 (2)	Sochi	24 Feb 80	
Pavel	Repin	(SU-14)54	77.42 (4)	Leselidze	24 Apr 80 (140)
	Bondarchuk-2	77.38 (2) vFra	Paris	9 Jul 76	
	Ploghaus-4	77.34 (2)	Rehlingen	26 May 80	
	Kozlov-2	77.34 (6) ZM	Moskva	5 Jul 80	
	Huning-3	77.32 (2)	Lignano	18 Aug 79	
	Kozlov-3	77.32 (3) Prav	Moskva	12 Jun 80	
	Sedykh-21	77.28 (1) EC	Praha	2 Sep 78	
	Litvinov-19	77.28 (3)	Leselidze	17 Feb 80	
	Spiridonov-3	77.26 (1)	Warszawa	20 Aug 76	
	Steuk-8	77.26 (1)	Berlin	9 Jul 80	
	Sedykh-22	77.24 (1)	Sochi	25 Apr 76 (150)	

Steuks-9		77.24	(2)	EC	Praha	2	Sep	78		
Dmitrenko-2		77.22	(2)	EP	Nice	16	Aug	75		
Pkhakadze-2		77.20	(2)		Sochi	25	Apr	76		
Sedykh-23		77.20	(1)		Tokyo	6	May	79		
Schmidt-3		77.18	(1)		Frankfurt/m	5	Jul	75		
Nikulin-14		77.18	(q)	Prav	Moskva	11	Jun	80		
Grigorij Shevtsov	(SU-15)58	77.16	(2)		Cheboksary	31	May	80		
Litvinov-20		77.16	(3)	NC	Donetsk	8	Sep	80		
Tamm-9		77.14	(4)		Leselidze	17	Feb	80		
Nikulin-15		77.14	(7)		Sochi	24	May	80		
Riehm-35		77.12	(1)		Oslo	1	Jul	80		
Huning-4		77.12	(4)		Roma	5	Aug	80		
Mal'yukov-9		77.10	(5)		Leselidze	16	May	80		
Litvinov-21		77.08	(1)		Moskva	28	Jul	79		
Ploghaus-5		77.06	(2)	ISTAF	Berlin	8	Aug	80		
Steuk-10		77.04	(1)	vSU	Vilnius	25	Jun	78		
Riehm-36		77.02	(3)	EC	Praha	2	Sep	78		
Orlando Bianchini	(ITA-2)55	77.02	(2)		Pescara	7	Jun	80		
Riehm-37		77.02	(1)		Leicester	7	Sep	80		
Riehm-38		77.00	(1)		Trier	8	Sep	78		
Sedykh-24		77.00	(1)	NC	Tbilisi	18	Sep	78		
Shevtsov-2		77.00	(6)		Leselidze	28	Apr	80		
Oleg Dyatlov	(SU-16)	47	177/96	76.98	( )	Pyatigorsk	30	Aug	80	
Reinhard Theimer	(GDR-3)	28	Feb 48	184/105	76.60	(q) NC	Leipzig	4	Jul	74
Ireneusz Golda	(POL-1)	23	Jan 55	194/108	76.58	(1)	Poznan	16	Aug	80
Jochen Sachse	(GDR-4)	2	Oct 48	193/112	76.44	(1)	Halle	27	Aug	77
Viktor Korolyov	(SU-17)	29	May 50	180/100	76.24	(1)	Stavropol	10	Sep	76
Anatoliy Prokopenko	(SU-18)	6	May 54	187/94	76.12	(1)	Odessa	21	Oct	79
Tobias Stopat	(GDR-5)	1	Sep 59	186/110	76.02	(1)	Dresden	5	Jul	80
Harri Huhtala	(FIN-1)	12	Aug 52	187/107	75.94	(2)	Karhula	19	Aug	80
Aleksandr Kozlov	(SU-19)	5	Jan 52	194/120	75.90	(2)	Stavropol	10	Sep	76
Peter Farmer	(AUS-1)	25	Jun 52	184/130	75.90	(1)	Vannes	14	Aug	79
Juha Tiainen	(FIN-2)	5	Dec 55	182/103	75.88	(1)	vSwe Helsinki	30	Aug	80
Iosif Gamskiy	(SU-20)	20	Oct 49	182/104	75.78	(1)	vGFR Kiev	19	Sep	71
Emanuil Dyuyligerov	(BUL-1)	7	Feb 55	178/95	75.74	(1)	Sofia	7	Jun	80
Manfred Seidel	(GDR-6)	25	Aug 49	181/109	75.70	(1)	Potsdam	19	Apr	76
Valentin Chumak	(SU-21)	2	Jul 49	184/108	75.68	(1)	Vinnitsa	10	Jul	77
Anatoliy Chyuzhas	(SU-22)			56	75.68	(1)	Gomel	22	May	80
Anatoliy Yakunin	(SU-23)	19	Oct 48	186/90	75.60	(2)vUK	Kiev	22	May	76
Fyodor Polekhin	(SU-24)	12	Jul 52	181/113	75.50	(1)	Pottava	12	Aug	80
Yuriy Tarasyuk	(SU-25)	11	Apr 57	188/101	75.46	(1)	Baku	23	Sep	79
Aleksandr Mendelson	(SU-26)	11	Nov 51		75.44	( )	Yerevan	17	Oct	80
Valeriy Vorontsov	(SU-27)	1	Jun 46	184/102	75.20	(1)	Donetsk	10	Sep	77
Kunnar Laansalu	(SU-28)	23	Feb 53	184/100	75.20	(1)	Yerevan	24	Sep	80
Sergey Dvoretzkiy	(SU-29)			57	75.14	( )	Volgograd	16	Sep	80
Anatoliy Yefimov	(SU-30)	18	Jun 56	184/106	75.08	(2)	Volgograd	27	Jun	80
Aleksandr Trufanov	(SU-31)	11	Sep 55	188/120	75.08	( )	Pyatigorsk	30	Aug	80
Ivan Kunovskiy	(SU-32)	25	Jan 49	191/120	75.04	(2)	Donetsk	10	Sep	77
Vasiliy Khemelevskiy	(SU-33)	14	Jan 48	196/124	74.98	(1)	Minsk	8	Jul	75
Chris Black	(UK-1)	1	Jan 50	188/108	74.98	(1)	Edinburgh	21	Aug	76
Karl-Heinz Reissmuller	(GDR-7)	20	Oct 54	188/105	74.98	(1)	Erfurt	18	Jun	78
Jiri Chamrad	(CS-1)	19	Jun 54	182/98	74.98	(1)	Zabrze	14	Jun	80
Uwe Beyer	(GFR-5)	14	Apr 45	191/108	74.90	(q) NC	Stuttgart	9	Jul	71
Valeriy Valentyuk	(SU-34)	4	Mar 47	185/102	74.90	(1)	Stavropol	18	Sep	75
Sergey Ishchenko	(SU-35)	20	May 54	186/101	74.84	(1)	Donetsk	23	Jun	79
Karl-Heinz Beilig	(GDR-8)	19	Jan 50	186/115	74.76	(1)	Berlin	12	May	76
Armando Orozco	(CUB-1)	31	Jan 58	182/106	74.74	(1) Barr	Havana	25	May	80
Edwin Klein	(GFR-6)	19	Jun 48	190/95	74.72	(4)	Rehlingen	7	Jun	76
Eduardo Podberscek	(ITA-3)	1	May 49	183/114	74.60	(1)	Caorle	26	Aug	79

Romuald	Klim	(SU-36)	25 May	33	185/108	74.46	(1)	Budapest	15 Jun	69
Vladimir	Lomachenko	(SU-37)		56	186/92	74.46	(1)	Vinnitsa	15 May	79
Richard	Olsen	(NOR-1)	19 Apr	58	195/110	74.46	(2)	TAC	14 Jun	80
Nicolae	Bindar	(RUM-1)	14 Mar	56	177/113	74.44	(1)	Bucharest	14 Jun	80
Mikhail	Rusanovskiy	(SU-38)	3 Dec	49	190/115	74.38	(1)	Ribinsk	9 Aug	76
Mario	Veechiato	(ITA-4)	24 Oct	48	184/113	74.36	(1)	Gorizia	10 Sep	72
Sergey	Pyshkin	(SU-39)	11 May	55	185/110	74.36	(2)	Voroshilovgrad	20 May	78
Dragomir	Angelov	(BUL-2)	21 Jul	58	186/105	74.26	(1)NC	Sofia	28 Jul	79
Aleksandr	Gurashenkov	(SU-40)		57		74.26	(1)	Dnepropetrovsko	20 Aug	80
Yevgeniy	Korsak	(SU-41)	28 Apr	53	188/106	74.14	(1)	Konstantinovska	22 Sep	79 (70)
Gunther	Rodehau	(GDR-9)	6 Jul	59	180/105	74.02	(2)	Ostrava	4 Jun	80
Hannu	Polvi	(FIN-3)	29 Nov	48	186/110	73.94	(4)	vITA	7 Sep	80
Adam	Barnard	(RSA-1)	4 Mar	43	186/88	73.86	(1)	Johannesburg	26 Mar	76
Barry	Williams	(UK-2)	5 Mar	47	189/108	73.86	(1)	Blackburn	1 Jul	76
gyula	Zsivotzky	(HUN-1)	25 Feb	37	190/100	73.76	(1)	Budapest	14 Sep	68
Mariusz	Tomaszewski	(POL-2)	23 Apr	56	190/95	73.76	(2)	Sopot	5 Jul	80
Anatoliy	Schuplyakov	(SU-42)	2 Aug	38	191/97	73.72	(1)	Riga	21 Jun	79
Manfred	Schubert	(GFR-7)	21 May	57	183/95	73.64	(4)	Lignano	18 Aug	79
Todor	Manolov	(BUL-3)	3 Aug	51	187/120	73.52	(1)	Sofia	9 May	76
Sergey	Abramov	(SU-43)		59		73.50	(3)	Volgograd	27 Jun	80 (80)
Jacques	Accambray	(FRA-1)	23 May	50	193/113	73.46	(1)	Croix-de-Berny	23 Jun	76
Istvan	Encsi	(HUN-2)	1 Feb	43	194/101	73.28	(1)	Budapest	26 Jun	71
Gabor	Tamas	(HUN-3)	24 Nov	51	182/102	73.24	(1)vCS	Budapest	10 Sep	80
Paul	Dickenson	(UK-3)	4 Dec	49	183/105	73.20	(3)vSU	Kiev	22 May	76
Jukka	Olkonen	(FIN-4)	7 Dec	58	180/95	73.10	(3)	Karhula	19 Aug	80
Lutz	Caspers	(GFR-8)	10 Jul	43	190/100	73.08	(1)	Oberhausen	24 Aug	72
Aleksandr	Komarov	(SU-44)	31 Mar	52	192/98	73.00	(1)	Kishinov	17 Jul	77
Leszek	Woderski	(POL-3)	4 Apr	58	187/93	73.00	(1)	Poznan	7 Sep	80
Klenaththis	Ierissiotis	(GRE-1)	14 Mar	53	185/105	73.00	(1)	Athens	18 Sep	80
Vladimir	Pristupa	(SU-45)		55		72.96			80 (90)	
Aleksandr	Grekov	(SU-46)		54		72.94	(1)	Kharkov	15 Aug	79
Sergey	Fogel	(SU-47)		57		72.86			80	
Scott	Neilson	(CAN-1)	31 Jan	57	197/111	72.72	(1)	Seattle	1 Apr	78
Viktor	Shayunov	(SU-48)	17 Feb	52	182/82	72.70	(1)	Vitebsk	18 Jul	76
Hans-Martin	Lotz	(GFR-9)	1 Jan	47	184/105	72.70	(1)	Hamburg	23 Sep	79
Pyotr	Zaytsev	(SU-49)	4 Aug	47		72.70	(1)	Moskva	13 Jan	80
Sergey	Korobov	(SU-50)	1 Sep	52	193/106	72.54	(2)	Donetsk	15 Aug	75
Janusz	Rys	(POL-4)	23 Apr	49	182/85	72.38	(1)	Bialogard	14 Sep	75
Staniskaw	Lubiejewski	(POL-5)	27 Mar	47	182/101	72.34	(1)	Krakow	13 Sep	79
Anatoliy	Maksimov	(SU-51)	29 Nov	42	198/140	72.30	(1)	Odessa	24 Sep	72 (100)
Vladimir	Kopurniy	(SU-52)		58		72.26			80	
Vladimir	Prikhodko	(FRA-2)	1 Mar	44	189/102	72.20	(1)	Beauchamp	8 Jun	75
Vladimir	Nagurniy	(SU-53)	28 Sep	58		72.18	(1)	Minsk	27 Jun	78
Josef	Hajek	(CS-2)	16 Sep	40	188/113	72.14	(1)	Kutna Hora	9 Oct	74
Aleksandr	Nosov	(SU-54)	24 May	54		72.10	(1)	Dnepropetrovsk	19 Jul	76
Oleg	Sergeyev	(SU-55)		47		72.06	(2)	Kropotkin	24 Jul	77
Igor	Lebedev	(SU-56)		55		72.04	(5)	Dnepropetrovsk	22 Sep	79
Pavel	Dmitriyev	(SU-57)		56		72.00	(2)	Moskva	8 Jul	79
Sandor	Eckschmidt	(HUN-4)	25 Oct	38	184/100	71.96	(4)	Mainz	3 Jun	72
Yuriy	Smirnov	(SU-58)		53		71.94	(3)	Stavropol	10 Sep	72 (110)
Ed	Burke	(USA-1)	4 Mar	40	185/105	71.90	(1)NC	Bakersfield	22 Jun	67
Wolfgang	Skibba	(GDR-10)	7 May	49	185/110	71.90	(2)vUK	Dresden	22 Jun	75
Anatoliy	Dodanchuk	(SU-59)		54		71.86	(1)	Chelyabinsk	18 Sep	77
Vladimir	Kuprovskiy	(SU-60)		57		71.84	(1)	Donetsk	11 Sep	77
Andrzej	Stupezyk	(POL-6)	3 Feb	53	192/104	71.84	(1)	Czestochowa	1 Oct	78
Heikki	Kangas	(FIN-5)	1 May	51	187/90	71.74	(1)	Ilyvieska	14 Jul	74
Marek	Kamionka	(POL-7)	30 Aug	55	186/109	71.74	(1)	Mielec	10 Sep	78
Gennadiy	Yurin	(SU-61)	10 Feb	45		71.70	(2)	Nalchik	23 Sep	73
Gabor	Kovacs	(HUN-5)	28 Jun	55	182/96	71.58	(3)vCS	Budapest	10 Sep	80
Jaroslav	Charvat	(CS-3)	18 May	41	186/105	71.54	(1)	Kutna Hora	21 Sep	74 (120)

Philippe	Sunray	(FRA-3)	9 Jun	56	189/83	71.54	(1)	Paris	23 Jul	78
Yuriy	Balandin	(SU-62)	1 Oct	52	181/108	71.52	(1)	Kharkov	4 Aug	79
Anatoliy	Smirnov	(SU-63)	15 Feb	51	174/100	71.48	(1)	Oryol	8 Sep	77
Peter	Sternad	(AUT-1)	8 Feb	46	185/100	71.40	(1)	Klazzenfurt	1 May	80
Vladimir	Gudilin	(SU-64)		52		71.40	(3)	Bryansk	21 Sep	80
Boris	Djerassi	(USA-2)	3 Feb	52	178/109	71.36	(2)	Philadelphia	17 Jul	80
Sergey	Ivanov	(SU-65)		62		71.28		Kislovodsk	29 Aug	80
Hal	Connolly	(USA-3)	1 Aug	31	183/115	71.26	(1) NC	Walnut	20 Jun	65
Szymon	Jaglinski	(POL-8)	12 Aug	49	190/104	71.22	(1)	Bydgoszcz	22 Jun	76
Yevgeniy	Bakhmet	(SU-66)		46		71.20	(1)	Voroshilovgrad	12 Jun	73 (130)
Murray	Cheater	(NZ-1)	26 Jan	47	178/100	71.20	(1)	Auckland	31 Jan	76
Tom	Gage	(USA-4)	16 May	43	190/100	71.16	(1)	Berkeley	5 Jun	71
Florian	Kulczyński	(POL-9)	15 Feb	50	180/92	71.14	(1)	Szczecinek	15 Jul	73
Shigenobu	Murofushi	(JAP-1)	2 Oct	45	181/93	71.14	(1)	Amagasaki	19 Sep	71
Vladimir	Litvinenko	(SU-67)		57		71.12		Yalta	7 Apr	80
Frantisek	Vrbka	(CS-4)	23 Jul	58	187/94	71.10	(1)	Praha	28 Aug	79
Sean	Egan	(EIR-1)		56		71.10	(1)	Frankfurt/M	1 May	80
Tudor	Stan	(RUM-2)	4 Jan	53	181/102	71.08	(1)	Bucharest	19 May	79
Peter	Rieck	(GFR-10)	17 Nov	52	191/100	71.04	(1)	Dole	19 Aug	72
Anatoliy	Fedotenko	(SU-68)	4 Aug	48		71.02	(1)	Kishinyov	26 Aug	74 (140)
Matti	Jarvensuru	(FIN-6)	27 Feb	49	186/110	71.00	(1)	Jyvaskyla	9 Aug	74
Ian	Chipchase	(UK-4)	26 Feb	52	176/105	71.00	(1)	Edinburgh	17 Aug	74
Andy	Bessette	(USA-5)	17 May	53	188/104	70.98	(1) FOT	Eugene	28 Jun	80
Rainer	Engwicht	(GDR-11)	24 Jun	50	188/115	70.94	(3)	Berlin	29 Aug	73
George	Frenn	(USA-6)	26 Dec	41	180/109	70.88	(1)	Berkeley	30 May	70
Howard	Payne	(UK-5)	17 Apr	31	182/105	70.88	(1)	Warsaw	29 Jun	74
Gennadiy	Shalupenko	(SU-69)		58		70.88	(1)	Kiev	27 Apr	80
Janis	Gardeviets	(SU-70)	15 Jun	50	190/115	70.80	(1)	Jurmala	26 May	79
Hans	Fahsl	(GFR-11)	15 Aug	41	192/115	70.78	(1)	Bonn	12 Jun	71
Viktor	Lukashov	(SU-71)		53		70.78	(3)	Kharkov	4 Aug	79 (150)
Vladimir	Ambrosyev	(SU-72)	23 Mar	48		70.74	(1)	Brest	27 Apr	73
Andrey	Mikhnovyets	(SU-73)	3 Mar	42	176/106	70.72	(3)	Donetsk	15 Aug	75
Vladimir	Tretyak	(SU-74)	21 Sep	49	186/110	70.72	(7)	Yerevan	21 Aug	76
Srecko	Stiglic	(YUG-1)	11 Jun	43	187/105	70.70	(1)	Zagreb	21 Sep	72
Kalman	Zeitler	(HUN-6)	28 Apr	50	186/107	70.66	(3) NC	Budapest	31 Aug	80
Oleg	Novoshilov	(SU-75)	15 Oct	45	185/118	70.62	(1)	Adler	4 Apr	75
Peter	Galle	(USA-7)	29 Jan	50	185/102	70.62	(2)	Wichita	31 May	80
Risto	Miettinen	(FIN-7)	18 Jul	44	185/105	70.60	(1)	Vesanto	14 Jul	74
Rumen	Kayrakov	(BUL-4)	24 Jan	57	186/85	70.60	(3)	Sofia	24 May	80
Sergey	Levin	(SU-76)		56		70.58	(3)	Zaporozhe	28 Jun	80 (160)
Helmut	Dollheimer	(GFR-12)	1 Mar	53	176/92	70.58	(4)	Dissen	31 Aug	80
Nikolay	Pishchugin	(SU-77)		59		70.56	(3)	Rovno	6 May	80
Yoshihisa	Ishida	(JAP-2)	19 May	44	177/91	70.54	(1)	Sapporo	6 Aug	72
Gennadily	Kondrashov	(SU-78)	8 Dec	38	184/102	70.52	(2)	Leningrad	21 Jul	68
Al	Schoterman	(USA-8)	11 Sep	50	188/116	70.48	(1) NCAA	Eugene	2 Jun	72
Tommy	Sjoholm	(SWE-1)	8 Aug	54	196/100	70.48	(1)	El Paso	23 Apr	80
Yuriy	Ashmarin	(SU-79)	25 Jan	47	190/110	70.46	(1)	Sverdlovsk	24 Jun	73
Henryk	Krolak	(POL-10)	15 Jan	60	187/100	70.46	(1)	Zabrze	24 Aug	80
Roland	Klein	(GFR-15)	23 Jun	55	189/93	70.42	(4)	Dortmund	1 Jul	78
Ilya	Tokhtamish	(SU-80)		54		70.42	(7)	Podolsk	19 Aug	78 (170)
Georgios	Babianotis	(GRE-2)	21 Jan	42	190/104	70.40	(1)	Athens	29 Jul	74
John	McArdle	(USA-9)	13 Jun	57	193/125	70.38	(2) FOT	Eugene	28 Jun	80
Sergey	Sirotkin	(SU-81)	5 Jul	46	186/110	70.34	(1)	Gorkiy	10 Aug	75
Yuriy	Pastukhov	(SU-82)	18 Mar	61	183/100	70.30	(1)	Sochi	17 May	80
Paul	Buxton	(UK-6)	23 Nov	56	190/109	70.28	(2)	Tempe	19 May	79
Bernd	Bierwisch	(GDR-12)	8 Dec	51	191/106	70.26	(5)	Dresden	2 Jul	77
Raimo	Savinainen	(FIN-8)	11 Feb	45	182/95	70.24	(1)	Mantta	5 Aug	76
Wolfgang	Heinrich	(GFR-14)	30 Mar	59		70.22	(1)	Neuberg	2 Sep	80
Genovevo	Morejon	(CUB-2)	3 Jan	54	183/119	70.22		Walnut	80	
Dave	McKenzie	(USA-10)	10 May	49	188/96	70.20	(1)		19 Apr	80 (180)

Joachim	Weiser	(GDR-13)	17 Jul	53	187/106	70.18	(1)	Leipzig	18 Jun	76
Aleksandr	Astakhov	(SU-83)		56		70.18	(1)	Poltava	7 Sep	79
Radomil	Skoumal	(CS-5)	31 Oct	55	187/91	70.16	(1)	Praha	15 Jul	79
Sergey	Vyryipayev	(SU-84)		56		70.16	(1)	Cheboksary	1 Jun	80
Steve	De Autremont	(USA-11)	17 Nov	46	183/98	70.14	(1)	Corvallis	13 Jul	74
Michel	Decker	(FRA-4)		60		70.14	(1)	Vanves	12 Oct	80
Heinz	Muller	(GDR-14)	5 Oct	52	191/112	70.08	(3)	Potsdam	17 Aug	75
Mikhail	Profyev	(SU-85)		54		70.08	(1)	Smolensk	22 Jul	78
Nikolay	Kazorenko	(SU-86)		46		70.08	(5)	Kharkov	15 Aug	79
Jouni	Olkkonen	(FIN-9)	27 Aug	57	190/112	70.08	(2)	Hirvensalmi	20 Jul	80 (190)
Hannes	Loss	(SU-87)	19 Jun	58	183/85	70.02	(2)	Vilyandi	19 Jul	79
Aleksandr	Ostapov	(SU-88)		56		70.02		Kiev	1 Sep	80
Austris	Upelnieks	(SU-89)	27 Apr	48	192/101	70.00	(2)	Moskva	30 May	72
Yevgeniy	Chezhin	(SU-90)		56		70.00		Himki	10 Jul	78
Noel	Belliot	(FRA-5)	23 Dec	50	190/84	70.00	(1)	Paris	22 Oct	78
Sergey	Chumachenko	(SU-91)		57		69.98	(5)	Donetsk	13 Sep	80
Helmut	Baumann	(GDR-15)	23 Jan	40	181/98	69.90	(1)	Jena	22 Jun	68
Emmitt	Berry	(USA-12)	28 Oct	55	185/94	69.90	(1)	El Paso	5 May	78
Guy	Guerin	(FRA-6)	25 Feb	51	176/92	69.90	(2)NC	Paris	23 Jul	78
Leonid	Yegorov	(SU-92)	12 Mar	58	188/101	69.90	(3)	Vinnitsa	15 May	79 (200)
Viktor	Mironyuk	(SU-93)		57		69.90	( )	Smolensk	5 May	80
Valentin	Chalgin	(SU-94)		58		69.86		Odessa	9 May	80
Aleksandr	Jurin	(SU-95)		58		69.86	( )	Chernovtsov	6 Oct	80
Igor	Grigoras	(SU-96)		59		69.84	(1)	Rostov	3 Oct	78
Oleg	Parkhomenko	(SU-97)	6 Jan	38		69.82	(1)	Sofia	22 Sep	71
Ivan	Taney	(BUL-5)	1 May	57	187/89	69.82	(2)NC	Sofia	28 Jul	79
Wojciech	Krasucki	(POL-11)	20 Feb	54	185/110	69.80	(2)	Sopot	5 Sep	79
Lazar	Lovasz	(HUN-7)	24 May	42	189/99	69.78	(3)OG	Mexico City	17 Oct	68
Takeo	Sugawara	(JAP-3)	23 May	38	174/83	69.78	(4)OG	Mexico City	17 Oct	68
Heinrich	Thun	(AUT-2)	1 Sep	38	179/95	69.76	(1)	Leoben	15 Sep	63 (210)
Vladimir	Tsar	(SU-98)	30 Oct	46		69.76	(1)	Riga	26 May	73
Angel	Cabrera	(CUB-3)		54		69.74	(1)	Havana	22 May	77
Yevgeniy	Vyazankin	(SU-99)		41		69.72	(1)	Donetsk	2 Nov	72
Dimitar	Mindov	(BUL-6)	7 May	46	177/100	69.70	(4)	Sofia	30 May	76
Vassilios	Maganas	(GRE-3)		54		69.70			80	
Algiris	Sharpalyok	(SU-100)		58		69.62		Kiev	7 Jun	80
Gerd	Pingel	(GDR-16)	2 Oct	59	182/92	69.62	(1)	Berlin	26 Jul	80
Peter	Schreiber	(GDR-17)	14 Jun	53	183/105	69.60	(2)	Cottbus	21 Feb	73
Faustino	De Boni	(ITA-5)	22 Nov	47	186/110	69.58	(1)	Padua	14 Sep	74
Georgiy	Shchlegov	(SU-101)	15 Jun	40	185/100	69.56	(1)	Krasnoyarsk	30 Jul	78 (220)
Zdislaw	Marshin	(SU-102)		45		69.56	( )	Kaunas	13 Aug	80
Yuriy	Bakarinov	(SU-103)	8 May	38	169/98	69.54	(1)	Kiev	28 Aug	64
Sune	Blomquist	(SWE-2)	22 May	41	186/100	69.54	(1)	Vasteras	17 Jun	76
Orlando	Barbolini	(ITA-6)	5 May	46	180/94	69.52	(1)	Modena	28 Aug	76
Jim	Whitehead	(UK-7)	22 Aug	49	190/112	69.52	(4)VRFSFSR	London	23 Sep	79
Reg	Marchant	(RSA-2)	19 Jun	49		69.50	(1)	Bellville	6 Mar	74
Vladimir	Platonov	(SU-104)	2 Mar	46		69.50	(2)	Vinnitsa	22 May	74
Bill	Diehl	(USA-13)	12 Aug	48	190/96	69.50	(1)	Walnut	24 Apr	76
Sergey	Sinyakov	(SU-105)				69.44		Leningrad	21 Sep	79
Guy	Husson	(FRA-7)	2 Mar	31	183/108	69.40	(1)	Aix-les-Bains	15 Oct	67 (230)
Franz-Josef	Woltering	(GFR-15)	21 Apr	42	189/108	69.40	(1)	Osnabruck	8 Jul	72
Aleksey	Baltovskiy	(SU-106)	1 Apr	37	185/108	69.32	(1)	Uzhgorod	23 Apr	68
Matt	Mileham	(UK-8)	27 Dec	56	186/108	69.32	(1)	London	6 Aug	80
Yuriy	Vassilyev	(SU-107)	4 Oct	39	176/98	69.30	(2)	Oryol	27 May	76
Aleksandr	Gushchin	(SU-108)		45		69.26		Vladivostock	6 Aug	78
Stavros	Moustafidis	(GRE-4)	22 Nov	47	180/113	69.24	(1)	Athens	17 Jul	72
Daniel	Mikolajczyk	(FRA-8)	18 Aug	51	182/100	69.24	(1)	Monceau	19 Jun	76
Karl Heinz	Muller	(GFR-16)	22 Feb	59	190/95	69.20	(1)	Mainz	30 Aug	80
Wojciech	Krawczyk	(POL-12)	8 Jun	53	183/93	69.12	(1)	Lodz	9 Sep	78
Witold	Lipowski	(POL-13)	8 Oct	56	198/117	69.12	(1)	Chorzow	14 Sep	78 (240)

Klaus	Streckenbach (GDR-18)	6 Sep 60	191/96	69.12 (1)	Berlin	7 May 80
Manfred	Losch (GDR-19)	27 Dec 38	198/123	69.10 (1)	Leipzig	3 Sep 68
Peter	Stieffenhofer (SWZ-1)	18 Aug 53	192/96	69.08 (1)	Geneva	24 Aug 74
Vladimir	Shakh (SU-109)	53		69.04 (2)	Smolensk	1 Jun 75
Yuriy	Nikulin (SU-110)	8 Jan 31	179/102	69.02 (3)	Kiev	19 Aug 69
Vladimir	Demidenko (SU-111)			69.02 (1)	Donetsk	Mar 72
Mikhail	Verzhilov (SU-112)	3 Feb 52	179/92	69.02 (1)	Angarsk	2 Sep 79 (247)

1980 Soviet marks below 69.50 not included

Unconfirmed mark:-

Yuriy Balandin (legal best 71.52) 72.24 ( ) Leningrad 21 Aug 78

Top 10 Averages		Top 10 Averages		Top 10 Averages		Athletes -	
By Nation	By Individual - Competitions	Best	By Individual - Throws	Best	By Nation	By Nation	
SU 79.59	Riehm	79.95	Sedykh	80.77	112 - SU		
GDR 75.75	Sedykh	79.94	Riehm	80.24	19 - GDR		
GFR 75.69	Litvinov	79.89	Litvinov	80.14	16 - GFR		
POL 72.44	Nikulin	79.12	Zaychuk	79.56	13 - USA, POL		
FIN 72.00	Zaychuk	78.91	Tamm	79.56	9 - FIN		
ITA 71.10	Tamm	78.58	Nikulin	79.45	8 - UK, FRA		
USA 70.92	Malyukov	77.78	Malyukov	77.84	7 - HUN		
UK 70.76	Steuk	77.56	Steuk	77.62	6 - ITA, BUL		
HUN 70.44	Huning	77.02	Ploghaus	77.29	5 - CS		
FRA 70.00	Ploghaus	76.98	Huning	77.26	4 - GRE		
	Spiridonov	76.80			3 - CUB, JAP		
	Schmidt	76.79			2 - SWE, RSA, RUM, AUT		
	Dmitrenko	76.74			1 - CAN, AUS, NZ, YUG, EIR, SWZ, NOR		
	Gerstenberg	76.59					
	Kozlov	76.24					
	Urlando	76.15					
	Bondarchuk	76.02					
	Repin	75.86					
	Pkhakadze	75.75					
	Sachse	75.75					

### PROGRESSIONS

	Performer					Average					
	1	10	20	30	50	100	10	20	30	50	100
1940	59.56	56.18	55.32	54.22	52.90	50.90e	57.88	56.78	56.04	55.04	53.44
1950	59.88	57.76	56.18	55.50	54.22	52.54	58.90	57.96	57.26	56.42	54.88
1960	70.32	66.52	64.76	63.92	62.36	60.42	67.60	66.46	66.02	64.84	63.08
1970	75.48	71.26	69.78	69.32	67.78	65.64	73.12	71.72	70.98	70.02	68.38
1980	81.80	78.62	77.42	76.02	74.98	72.30	80.06	79.46	78.52	77.30	75.52
1990-estimate-	87.20	83.80	82.60	81.40	80.10	77.50	85.40	84.20	83.30	82.10	80.30

### SUMMARY OF TRACK AND FIELD NEWS WORLD RANKING 1947-80

- 107 - Gyula Zsivotzky (HUN) 1957-72
- 105 - Hal Connolly (USA) 1955-66
- 74 - Romuald Klim (SU) 1963-71
- 65 - Anatoliy Bondarchuk (SU) 1968-74, 1976
- Karl-Hans Riehm (GFR) 1972-73, 1975-80
- 62 - Imre Nemeth (HUN) 1947-53
- Uwe Beyer (GFR) 1964-74
- 60 - Mikhail Krivonosov (SU) 1952-58
- 55 - Karl Storch (GER) 1947-54
- 54 - Sverre Strandl (NOR) 1949-56
- 48 - Tadeusz Rut (POL) 1954-61
- Valentin Dmitrenko (SU) 1972-78
- 47 - Reinhard Theimer (GDR) 1968-74
- 45 - Jochen Sachse (GDR) 1970-77
- 41 - Vasili Rudenkov (SU) 1958-62, 1964
- 39 - Jozsef Csermak (HUN) 1951-56
- Yuriy Sedykh (SU) 1976-80
- 34 - Gennadiy Kondashov (SU) 1963-68
- Aleksey Spiridonov (SU) 1972-76
- 32 - Anatoliy Samotovetov (SU) 1956-61

SERIES OF LEADING PERFORMANCES

Sedykh	81.80, 81.46, 79.68, 0, 80.98, 80.70
Litvinov	0, 80.54, 81.66, 0, 0, 0
Litvinov	81.08, 0, 0, P, P
Riehm	76.66, 79.56, 0, 79.68, 80.80, 80.08
Riehm	78.72, 0, 0, 80.78, 80.10, 0
Riehm	80.66, 78.06, 0, 79.74, 79.60, 78.52
Sedykh	78.30, 79.60, 80.38, 0, 80.64, 80.44
Litvinov	80.64, 0, 0, 0, 0
Sedykh	0, 76.96, 79.96, 77.76, 80.54, 0
Zaychuk	79.80, 78.88, 79.10, 80.14, 80.20, 80.48
Tamm	78.82, 79.70, 80.46, 0, 0, 0
Tamm	78.66, 79.82, 79.22, 0, 80.06, 80.40
Nikulin	0, 80.34, 0, 78.82, 0, 79.24
Riehm	78.86, 80.32, 78.52, 78.66, 0, P
Riehm	0, 80.26, P, P, P, P
Zaychuk	0, 78.64, 80.14, 76.50+
Nikulin	80.08+79.60+78.88+
Nikulin	75.42, 0, 78.24, 80.08, 0, 75.24
Sedykh	79.98, 79.48, 78.92, 0, 79.48, 79.38
Litvinov	78.48, 79.00, 78.96, 79.86, 0, 0
Litvinov	78.10, 0, 0, 0, 0, 79.82
Sedykh	79.76, 79.14, 79.04, 78.86, 0, 78.84
Tamm	76.22, 79.54, 0, 0, 0, 0
Sedykh	79.50, 0, 0, 78.88, 0, 77.60
Riehm	79.44, 0, 77.26, 77.38, 76.68, 76.28
Schmidt	75.48, 79.30, 74.94, 73.22, 73.86, P
Riehm	77.96, 77.84, 79.20, 79.26, 0, 78.16
Huning	71.84, 74.26, 75.36, 77.26, 79.16, 75.86
Riehm	78.30, 78.42, 79.12, 78.70, 78.44, 74.50
Sedykh	78.96, 77.66, 0, 0, 78.02, 77.36
Tamm	77.84, 78.96, 77.92, 77.26, 0, 76.86
Litvinov	76.22, 0, 78.94, 0, 0, 77.48
Sedykh	75.74, 76.66, 77.34, 78.86, 76.46, 77.08
Nikulin	77.50, 78.84, 76.92, 75.86, 77.64, 78.80
Litvinov	0, 77.58, 78.76, 0, 76.78, 0
Litvinov	0, 0, 0, 78.70, 0, 77.76
Riehm	78.08, 78.66, 77.46, 77.28, 77.04, 76.10
Spiridonov	72.30, 76.30, 75.44, 78.62, 0, 75.82
Kozlov	77.04, 78.14, 78.58, 78.40, 0, 0
Riehm	78.56, 78.00, 78.28, 0, 77.88, 77.38
Riehm	78.54, 78.54, 75.36, 77.60, 78.00, 76.86
Riehm	0, 77.32, 78.52, 77.46, 77.86, 76.94
Riehm	77.56, 78.32, 76.62, 78.10, 78.52, 0
Malynkov	77.34, 76.66, 0, 76.76, 75.10, 78.52
Riehm	76.70, 77.56, 77.10, 78.50, 77.16, 77.28
Sedykh	74.92, 75.82, 78.50, 76.20, 77.42, 0
Riehm	76.08, 78.42, 77.96, 76.76, 78.02, 0
Zaychuk	75.46, 78.36, 78.42, 77.52, 0, 78.14
Tamm	75.68, 76.80, 78.40, 76.70, 77.60, 77.52
Riehm	76.90, 78.34, 76.88, 76.98, 76.98, 76.50
Riehm	76.16, 78.24, 77.28, 76.70, 76.76, 77.28
Sedykh	78.22, P, P
Riehm	73.30, 76.44, 77.88, 0, 0, 78.18
Zaychuk	0, 74.50, 76.60, 77.56, 0, 78.16
Steuk	75.24, 78.14, 0, 74.82, 75.12, 77.64
Riehm	76.28, 77.02, 75.98, 0, 78.08, 76.38
Sedykh	76.32, 76.90, 78.06, 77.54, 77.62, 76.48
Riehm	76.46, 75.98, 77.16, 76.90, 77.78, 78.04
Schmidt	78.02, 76.50, 74.92, 75.74, 76.02, 0
Riehm	78.02, 77.98, 77.56, 76.12, 77.10, 0

1940	
P.O'Callaghan(EIR)	59.56 '37
E.Blask(GER)	59.00 '38
K. Hein(GER)	58.76 '38
U.Veirila(FIN)	58.66* '39
K.Storch(GER)	58.52 '39
P. Ryan(USA)	57.76 '13
M.McGrath(USA)	57.10 '11
S.Mayr(GER)	56.86* '38
O.Lutz(GER)	56.42 '38
J.Flanagan(USA)	56.18 '09
I.Folsworth(USA)	56.16* '38
R.Bennett(USA)	56.04* '40
B.Greulich(GER)	55.80* '38
O.Linnaste(EST)	55.78 '40
J.Knotek(CSR)	55.74* '36
S.Johnson(USA)	55.62* '40
H.Houtzager(HOL)	55.50* '39
W.Lynch(USA)	55.46* '38
F.Tootell(USA)	55.32* '23
H.Dreyer(USA)	55.32 '35
J.McLaughry(USA)	55.16 '39
W.Beyer(GER)	54.94* '39
A.Warngard(SWE)	54.82* '36
M.Flaherty(USA)	54.62* '39
A.Shekhtel(SU)	54.60 '40
J.Sittanen(FIN)	54.50 '37
M.Stepisnik(YUG)	54.42 '40
B.Healion(EIR)	54.34 '38
F.Connor(USA)	54.22 '30
H.Kufner(GER)	54.22* '38
C.Walsh(CAN)	54.10* '11
D.Favor(USA)	54.04 '36
G.Backlund(SWE)	54.00* '40
W.Rowe(USA)	53.96* '36
O.Skiold(SWE)	53.84* '27
H.Bailey(USA)	53.82 '15
V.Porhola(FIN)	53.76* '31
C.Cruikshank(USA)	53.72 '40
E.Linne(SWE)	53.62 '39
S.Heino(FIN)	53.60 '40
K.Shattuck(USA)	53.58* '13
G.A.Koutonen(FIN)	53.54* '33
F.Kleger(ARG)	53.50* '33
G.Jansson(SWE)	53.40* '35
A.Kishon(USA)	53.18 '36
S.Lyakhov(SU)	53.08 '38
K.Annamaa(EST)	53.06* '55
N.Perkins(USA)	52.98 '39
O.Malmbrandt(SWE)	52.92* '38
G.Kollibabe(GER)	52.90 '38
W.Lutz(GER)	52.90 '39
L.Talbott(USA)	52.88 '10
M.Nokes(UK)	52.76 '23
J.Anttalainen(FIN)	52.74* '38
J.Fusse(ARG)	52.66* '40
N.Wilcox(USA)	52.66* '40
W.McKeever(USA)	52.62* '39
R.Ljunggren(SWE)	52.58 '40
G.Hannula(FIN)	52.54 '38
C.Childs(USA)	52.52 '12

1940 (cont)

Huning	74.30, 76.56, 77.00, 74.16, <u>77.96</u> , 0	C.J.Lind(SWE)	52.50* '22
Malyukov	75.26, 76.08, <u>77.86</u> , 0, 74.40, 75.84	J.Merchant(USA)	52.22* '22
Urlando	76.72, <u>77.84</u> , 0, 0, 0, 0	F.Starker(GER)	52.18* '37
Steuk	75.50, 76.50, 75.80, 0, <u>77.82</u> , 0	J.Kordas(POL)	52.18* '39
Riehm	77.80, 76.50, 0, 76.96, 76.66, 76.16	E.Black(USA)	52.14 '29
Zaychuk	75.58, 76.40, <u>77.72</u> , 0, 76.46, 73.20	J.Becker(GER)	52.12 '37
Tamm	76.22, 76.96, <u>77.68</u> , 76.08, 76.00, 0	B.Ericson(SWE)	52.10* '40
Riehm	76.72, <u>77.62</u> , 76.82, 75.30, 0, 74.68	N.Wright (USA)	52.02* '31
Riehm	75.78, 76.74, 75.88, 75.54, 76.20, <u>77.62</u>	P.Zaremba(USA)	51.98 '32
Riehm	76.88, <u>77.60</u> , 0, 75.04, 75.84, 73.94	A.Plaw(USA)	51.92* '04
Ploghaus	<u>77.60</u> , 76.04, 77.58, 76.04, 75.94, 0	S.Gillis(USA)	51.90 '08
Riehm	77.26, <u>77.58</u> , 0, 0, 0, 0	E.Lohring(GER)	51.88 '36
Dmitrenko	<u>77.58</u> , 0, 75.54, 0, 74.88, 0	D.Coyle(EIR)	51.88* '39
Ploghaus	76.96, 75.94, <u>77.58</u> , 76.04, 76.18, 76.48	G.Artamanov(SU)	51.86* '39
Steuk	74.34, 76.00, <u>75.58</u> , 77.26, <u>77.54</u> , 0	W.Shallow(USA)	51.84 '39
Sedykh	75.64, <u>77.52</u> , 0, 0, 75.58, 75.40	K.Janke(GER)	51.78 '39
Riehm	73.76, 76.30, <u>77.50</u> , 77.28, 0, 0	O.Thryvelli(SWE)	51.76 '40
Riehm	71.48, 75.10, 75.52, <u>77.50</u> , 74.62, 76.04	P.Nielsen(DEN)	51.72* '39
Litvinov	0, <u>77.50</u> , P	R.Bayer(CHI)	51.68* '29
Steuk	<u>77.48</u> , 76.56, 74.46, 0, 74.60, 0	L.Johnson(USA)	51.68 '32
Riehm	76.44, 76.02, <u>77.46</u> , 74.74	S.Parni(FIN)	51.68 '36
Malyukov	<u>77.46</u> , 77.06, <u>75.78</u> , 74.66, 76.68, 77.36	A.Loeb(USA)	51.68 '36
Riehm	76.96, <u>77.44</u> , 75.24, P, P, P	M.Venanzetti(ITA)	51.66 '39
Sedykh	76.40, <u>77.24</u> , 77.32, <u>77.44</u> , 77.18, 76.60	P.Castle(USA)	51.62 '36
Ploghaus	<u>77.44</u> , 74.40, 77.10, 76.38, 76.34, 77.16	P.Vonckx(USA)	51.58 '30
Litvinov	76.20, <u>77.42</u> , 76.86, 76.68, 0, P	T.Finnila(FIN)	51.58 '34
Riehm	76.40, 0, 75.90, 77.16, <u>77.42</u> , 75.92	A.Naban(BRA)	51.41 '40
Ploghaus	<u>77.34</u> , 0, 77.10, 76.52, 75.72, 76.88	A.Kohlsmann(GER)	51.36* '39
Kozlov	75.78, 0, <u>77.34</u> , 77.12, 75.98, 77.34	C.Modzelewski(USA)	51.32 '33
Huning	0, 73.90, 76.66, <u>77.32</u> , 76.44, 70.60	H.Huber(GER)	51.30 '29
Kozlov	72.98, <u>77.32</u> , 75.86, 75.94, 0, 74.14	I.Abe(JAP)	51.27 '36
Sedykh	77.28, 75.92, 75.54, 76.96, 0, <u>77.28</u>	N.Cahners(USA)	51.27 '36
Sedykh	71.84, 74.16, 74.84, 76.84, 75.00, <u>77.24</u>	M.Pappas(USA)	51.18 '38
Steuk	75.30, 73.24, 75.10, 76.50, 77.16, <u>77.24</u>	V.Petersen(DEN)	51.07 '40
Dmitrenko	71.12, 75.80, <u>77.22</u> , 76.32, 72.94, 0	J.Wirtz(FRA)	51.06 '39
Pkhakadze	73.92, 72.92, 0, 75.78, 76.00, <u>77.20</u>	H.Holcombe(USA)	51.05 '34
Schmidt	<u>77.18</u> , 74.00, 70.84, 72.90, 72.14, 72.12	H.Campbell(USA)	51.04 '30
Nikulin	<u>77.14</u> , 0, 0, 76.14, 75.70, 76.92	T.Virtanen(FIN)	51.04 '39
Huning	73.64, 75.92, 77.04, 75.14, 76.04, <u>77.12</u>	(98)	
Litvinov	<u>77.08</u> , 0, 73.94, 69.10, 0, 0		
Ploghaus	0, 76.72, 0, <u>77.06</u> , 0, 75.98		
Riehm	76.50, 76.40, 76.90, 75.66, 0, <u>77.02</u>		
Bianchini	74.58, <u>77.02</u> , 76.64, 76.94, 75.00, 76.72		

1950

I.Nemeth(HUN)	59.88 '50	O.Lutz(GER)	57.68 '42	I.Folsworthy(USA)	56.16* '38
P.O'Callaghan(EIR)	59.56 '37	S.Strandl(NOR)	57.68 '50	R.Bennett(USA)	56.04* '40
T.Taddia(ITA)	59.16* '50	K.Wolf(GER)	57.40* '50	D.McD.Clark(UK)	56.02 '50
E.Blask(GER)	59.00 '38	B.Ericson(SWE)	57.18* '47	J.Dadak(CSR)	55.88* '50
K.Storch(GER)	58.94 '43	S.Fetton(USA)	57.18 '50	H.Dreyer(USA)	55.86* '49
B.Healion(EIR)	58.80 '43	M.McGrath(USA)	57.10 '11	B.Greulich(GER)	55.80* '38
K.Hein(GER)	58.76* '38	S.Mayr(GER)	56.86* '38	O.Linnaste(EST)	55.78 '40
U.Veirila(FIN)	58.66* '39	I.Gubijan(YUG)	56.82* '49	J.Knotek(CSR)	55.74* '36
A.Kanaki(SU)	58.58* '49	A.Shekhtel(SU)	56.24 '50	S.Johnson(USA)	55.62* '40
P.Ryan(USA)	57.76 '13	J.Flanagan(USA)	56.18 '09	H.Houtzager(HOL)	55.50* '39

1950 (cont)	1950 (cont)	1960 (cont)			
W. Lynch(USA)	55.46* '38	A. Ringstrom(SWE)	52.78* '50	J. Malek(CSR)	63.00* '59
F. Tootell(USA)	55.32* '23	M. Nokes(UK)	52.76 '23	H. Niebisch(GDR)	62.76* '59
J. McLaughry(USA)	55.16 '39	J. Anttalainen(FIN)	52.74* '38	A. Maceksi(HUN)	62.72* '60
W. Beyer(GER)	54.94* '39	V. Petersen(DEN)	52.70 '41	K. Muzicek(CSR)	62.70* '60
E. Sodeqvist(SWE)	54.84 '48	J. Fisher(USA)	52.70 '47	V. Plyuchenkov(SU)	62.68* '58
A. Werngard(SWE)	54.82* '36	J. Fusse(ARG)	52.66* '40	S. Voznyak(SU)	62.68* '59
W. Haussmann(GER)	54.82* '46	N. Wilcox(USA)	52.66 '40	W. Glotzbach(GFR)	62.52 '60
C. Dumitru(RUM)	54.78* '50	W. McKeever(USA)	52.62* '39	E. Andris(SU)	62.52 '60
I. Toma(RUM)	54.70* '49	R. Ljunggren(SWE)	52.58 '40	N. Rascanescu(RUM)	62.46 '57
M. Flaherty(USA)	54.62* '39	G. Hannula(FIN)	52.54 '38	R. Leffler(AUS)	62.36* '60
L. Tamminen(FIN)	54.60 '48	R. Aulamo(FIN)	52.54 '47	V. Okulov(SU)	62.30 '60
S. Dillon(USA)	54.60* '50	1960		S. Lorenz(GFR)	62.20 '59
J. Sit tanen(FIN)	54.50 '37	H. Connolly(USA)	70.32* '60	Y. Dikiy(SU)	62.14 '59
M. Stepisnik(YUG)	54.42 '40	G. Zavotsky(HUN)	69.52* '60	I. Trenyi(HUN)	62.08* '60
N. Shorin(SU)	54.42 '50	V. Rudenkov(SU)	68.72* '60	B. McWilliams(USA)	62.08* '60
E. Douglas(UK)	54.38* '50	M. Krivonosov(SU)	67.32 '56	T. Pagani(USA)	62.08 '60
J. Kordas(POL)	54.34 '47	A. Hall(USA)	67.22* '58	V. Vavaids(SU)	62.04* '58
G. Borjeson(USA)	54.24* '50	T. Rut(POL)	66.82* '60	M. Losch(GDR)	62.04* '60
F. Connor(USA)	54.22 '30	F. Tkachev(SU)	66.66 '58	B. Towpil(POL)	61.88 '60
H. Kuerner(GER)	54.22* '38	A. Samotsvyetov(SU)	66.52* '60	M. Lotz(GDR)	61.88 '60
R. Kuivamaki(FIN)	54.12 '47	A. Baltoviskiy(SU)	66.52 '60	K. Teubert(GDR)	61.86* '60
C. Walsh(CAN)	54.10* '11	Y. Nikulin(SU)	66.52 '60	Y. Rallo(SU)	61.86 '60
D. Favor(USA)	54.04 '36	B. Asplund(SWE)	65.96* '59	M. Engel(USA)	61.74 '60
G. Dybenko(SU)	54.04* '50	C. Blair(USA)	65.94* '56	N. Ryedkin(SU)	61.72 '56
G. Backlund(SWE)	54.00* '40	O. Kollodiy(SU)	65.94 '60	I. Krasnov(SU)	61.70 '56
J. Burnham(USA)	54.00* '48	H. Thun(AUT)	65.52 '60	O. Engel(CSR)	61.66 '56
W. Rowe(USA)	53.96* '36	Z. Bezjak(YUG)	65.38 '60	V. Bezugliy(SU)	61.66 '60
E. Linne(SWE)	53.94* '46	Y. Bakarinov(SU)	65.18* '60	A. Niklas(POL)	61.62* '57
S. A. Frederiksen(DEN)	53.94* '49	J. Lawlor(EIR)	65.18 '60	V. Krumov(BUL)	61.62* '58
K. Hagenburger(GER)	53.94 '50	M. Ellis(UK)	64.94* '60	V. Chumakov(SU)	61.56* '60
J. Scholtz(USA)	53.92 '49	V. Tatarintsev(SU)	64.80* '60	M. Maca(CSR)	61.42* '55
A. Bonyhadi(HUN)	53.90* '50	N. Tyurin(SU)	64.76* '60	Y. Syuch(SU)	61.42* '59
J. Kotkas(SU)	53.88 '43	S. Nyenashev(SU)	64.70* '58	R. Backus(USA)	61.40* '59
O. Skjold(SWE)	53.84* '27	O. Cieply(POL)	64.56* '60	H. Payne(RHO)	61.34 '60
H. Bailey(USA)	53.82 '15	G. Kondrashov(SU)	64.40 '60	H. Fahsl(GFR)	61.34 '60
V. Porhola(FIN)	53.76* '31	J. Csermak(HUN)	64.22* '60	M. Ainso(SU)	61.28 '60
C. Cruickshank(USA)	53.72 '40	R. Klim(SU)	64.16 '60	J. Gajic(YUG)	61.24 '56
L. Petike(HUN)	53.70* '50	N. Dobrivyecher(SU)	64.12 '58	J. Rehan(CSR)	61.08 '60
S. Heino(FIN)	53.60 '40	N. Okamoto(JAP)	64.02 '60	J. Jashanin(SU)	61.06 '60
K. Shattuck(USA)	53.58* '13	D. Yegorov(SU)	64.00* '58	V. Voronkin(SU)	60.90 '57
T. Richmond(USA)	53.58 '50	V. Migunko(SU)	63.98* '60	V. Hoffren(FIN)	60.88 '57
G. A. Koutonen(FIN)	53.54* '33	G. Husson(FRA)	63.92* '60	Y. Alekseyev(SU)	60.88 '58
F. Johansson(SWE)	53.54 '46	K. Racic(YUG)	63.88* '60	S. Giovanetti(ITA)	60.86 '58
F. Kleger(ARG)	53.50* '33	E. Bagdonas(USA)	63.80* '60	A. Wiegand(GFR)	60.82* '58
G. Jansson(SWE)	53.40* '35	J. Matousek(CSR)	63.68 '60	G. Khvatkov(SU)	60.82 '60
G. Marsanskis(USA)	53.28* '48	Y. Shibalov(SU)	63.62 '59	Y. Fyodorov(SU)	60.80* '58
A. Kishon(USA)	53.18 '36	S. Strandl(NOR)	63.44* '60	K. Storch(GER)	60.76* '52
T. Bane(USA)	53.18* '50	I. Zakharov(SU)	63.42* '60	V. Chebotaryev(SU)	60.76 '57
S. Lyakhov(SU)	53.08 '38	O. Krogh(NOR)	63.34* '60	V. Ivanov(SU)	60.72 '59
K. Annamaa(EST)	53.06* '35	C. Peter(GDR)	63.34* '60	H. Ziermann(GFR)	60.70* '57
B. Hartmanis(SU)	53.06 '46	T. Sugawara(JAP)	63.34 '60	V. Zadorozhniy(SU)	60.70 '59
F. Karlsson(SWE)	53.02 '47	M. Iqbal(PAK)	63.10 '60	K. Horppu(FIN)	60.68 '60
A. Larsson(SWE)	53.00* '47	L. Izotov(SU)		L. Izotov(SU)	60.64 '59
N. Perkins(USA)	52.98 '39	M. Christin(ITA)		M. Christin(ITA)	60.56 '60
O. Malmbrandt(SWE)	52.92* '38	B. Koprivica(YUG)		B. Koprivica(YUG)	60.54* '57
G. Kollibabe(GER)	52.90 '38	S. Sharipov(SU)		S. Sharipov(SU)	60.52 '60
W. Lutz(GER)	52.90 '39	V. Baukov(SU)		V. Baukov(SU)	60.48* '60
P. Cederquist(DEN)	52.90* '50	N. Tarasyuk(SU)		N. Tarasyuk(SU)	60.44 '56
L. Talbott(USA)	52.88 '10	Y. Pavlov(SU)		Y. Pavlov(SU)	60.44 '60
E. Styerna(USA)	52.86* '41	V. Peredrey(SU)		V. Peredrey(SU)	60.42 '59

1970

A. Bondarchuk (SU)	75.48	'69	K. Polyakov (SU)	67.78	'67
R. Klim (SU)	74.52	'69	A. Komissar (SU)	67.78	'70
G. Zsivotzky (HUN)	73.76*	'68	E. Amman (SWZ)	67.66	'68
A. Schuplyakov (SU)	73.72	'69	V. Ambrosyev (SU)	67.66	'70
W. Schmidt (GFR)	72.92	'70	A. Upelnieks (SU)	67.64	'70
R. Theimer (GDR)	72.90	'69	E. Andris (SU)	67.56	'63
U. Beyer (GFR)	72.46	'68	M. Lotz (GDR)	67.54	'65
J. Sachse (GDR)	72.40	'70	B. Madler (GDR)	67.54	'69
E. Burke (USA)	71.90*	'67	O. Cieply (POL)	67.50	'64
H. Connolly (USA)	71.26	'65	G. Shcheglov (SU)	67.38	'68
V. Khyemelevskiy (SU)	71.24	'70	V. Platonov (SU)	67.34	'70
G. Frenn (USA)	70.88*	'70	M. Kriwonosov (SU)	67.32	'56
A. Maksimov (SU)	70.72	'70	P. Gazdzik (SU)	67.30	'70
G. Kondrashov (SU)	70.52	'68	A. Hall (USA)	67.22*	'58
I. Encsi (HUN)	70.42	'70	A. Fyedotyenkov (SU)	67.20	'70
H. Fahsl (GFR)	70.10	'70	V. Tzar (SU)	67.14	'70
V. Prikhodko (FRA)	69.92	'70	T. Rut (POL)	67.06	'64
H. Baumann (GDR)	69.90	'68	T. Manolov (BUL)	67.06	'70
L. Lovasz (HUN)	69.78	'68	H. Potsch (AUT)	67.04	'70
T. Sugawara (JAP)	69.78*	'68	K-H. Beilig (GDR)	67.00	'70
H. Thun (AUT)	69.76	'63	Z. Smolinski (POL)	66.98	'64
T. Gage (USA)	69.62	'69	S. Moutafidis (GRE)	66.98	'70
Y. Bakarinov (SU)	69.54	'64	S. Korobov (SU)	66.96	'70
S. Eckschmidt (HUN)	69.46	'68	D. Mindov (BUL)	66.86	'70
E. Klein (GFR)	69.42	'70	V. Tatarintsev (SU)	66.82	'62
S. Murofushi (JAP)	69.42	'70	J. Hajek (CSR)	66.78	'68
G. Busson (FRA)	69.40	'67	M. Klyuyev (SU)	66.78	'70
O. Parkhomenko (SU)	69.40	'70	F. Tkachev (SU)	66.66	'58
L. Caspers (GFR)	69.38	'70	R. Miettinen (FIN)	66.62	'70
A. Baltoviskiy (SU)	69.32	'68	R. Engwicht (GDR)	66.56	'70
H. Payne (UK)	69.24	'70	A. Samotsvyetov (SU)	66.52	'60
M. Losch (GDR)	69.10	'68	N. Okamoto (JAP)	66.48	'61
Y. Nikulin (SU)	69.02	'69	J. Rehan (CSR)	66.46	'64
S. Lubiejewski (POL)	68.98	'70	M. Russanovskiy (SU)	66.38	'70
I. Gamskiy (SU)	68.96	'70	B. Asplund (SWE)	66.36	'64
V. Rudenkov (SU)	68.94	'61	V. Levitanus (SU)	66.28	'68
V. Bezugliy (SU)	68.94	'70	K. Harlos (SWE)	66.12	'69
G. Babaniotis (GRE)	68.94	'70	G. Costache (RUM)	66.10	'66
J. Matousek (CSR)	68.78	'63	K. Breindl (GFR)	66.10	'70
E. Samuels (CUB)	68.78	'68	M. Ainso (SU)	66.06	'64
Y. Ashmarin (SU)	68.68	'67	V. Valentyuk (SU)	66.02	'69
V. Tretyak (SU)	68.68	'70	C. Blair (USA)	65.94*	'56
Y. Ishida (JAP)	68.44	'69	B. Zaichuk (SU)	65.94	'70
M. Vecchiato (ITA)	68.40	'70	P. Karki (FIN)	65.82	'70
A. Mikhnovyets (SU)	68.36	'70	O. Krogh (NOR)	65.80	'64
J. Accambray (FRA)	68.24	'69	P. Kumar (IND)	65.76	'69
A. Spiridonov (SU)	68.14	'70	L. Hart (USA)	65.70*	'69
F-J. Wolterling (GFR)	68.06	'70	L-I. Strom (SWE)	65.70	'70
Y. Vasilyev (SU)	68.02	'70	H. Vuorela (FIN)	65.66	'70
V. Tribunskiy (SU)	67.78	'67	O. Kolloidiy (SU)	65.64	'60

\* = under rules prevalent, measurement was  
1 cm. longer than shown.

SUMMARY OF 77m+ THROWS

(a/b, a = competitions, b = additional throws)

	81+	80+	79+	78+	77+	TOTAL
Sedykh	1/1	3/4	3/8	6/6	11/13	24/32 = 56
Litvinov	3/-	1/1	2/1	6/3	9/3	21/8 = 29
Riehm	6/2	3/5	16/19	13/31	38/57 = 95	
Zaychuk	2/2	1/2	8/4	2/2	13/10 = 23	
Tamm	2/1	1/3	3/2	3/5	9/11 = 20	
Nikulin	3/-	1/2	6/4	5/2	15/8 = 23	
Schmidt		1/-	1/-	1/-	3/- = 3	
Huning		1/-		3/3	4/3 = 7	
Gerstenberg			1/-	1/-	2/- = 2	
Spiridonov			2/-	1/-	3/- = 3	
Kozlov			1/2	2/3	3/5 = 8	
Malyukov			3/-	6/3	9/1 = 12	
Steuk			1/-	9/3	10/3 = 13	
Urlando				1/-	1/- = 1	
Buneyev				1/-	1/- = 1	
Pkhakadze				2/-	2/- = 2	
Lesovoy				1/-	1/- = 1	
Ploghaus				5/4	5/4 = 9	
Dmitrenko				2/-	2/- = 2	
Bondarchuk				2/-	2/- = 2	
Repin				1/-	1/- = 1	
Shevtsov				2/-	2/- = 2	
Bianchini				1/-	1/- = 1	

CAREER RECORDS OF LEADING PERFORMERS - OVER THE DECADES

Key: OG = Olympic Games; EC = European Championships; EP = European Cup  
 WP = World Cup; PAG= Pan American Games; CG = Commonwealth Games  
 EJ = European Junior Championships; NC = National Championships  
 NCAA = US College Championship; CAC = Central American Championships

ACCAMBRAZ, Jacques (FRA)  
 23 May 50 Divion 193/113  
 OG-19/1972, 9/1976;  
 EC-Q15/69, Q16/71, Q20/74;  
 EP-3/73, 6/75, 6/79; NCAA-1/71, 73  
 NC-1969, 70, 1975-76, 1979  
 1967 58.52 1972 70.08 1977 68.26  
 1968 64.40 1973 71.90 1978 72.90  
 1969 68.24 1974 68.52 1979 70.96  
 1970 66.22 1975 73.12 1980 66.58  
 1971 69.44 1976 73.46

ASPLUND, Birger (SWE)  
 21 Jul 29 Boksjonaset 178/86  
 OG-NM/1956; EC-16/1954, 6/1958, Q16/1962  
 NC-1954-68  
 1952 53.12 1959 65.97 1965 64.39  
 1953 54.28 1960 65.93 1966 63.97  
 1954 56.43 1961 66.19 1967 63.84  
 1955 57.19 1962 66.11 1968 63.96  
 1956 59.02 1963 65.52 1969 64.54  
 1957 60.95 1964 66.37 1970 64.70  
 1958 63.12

ANGELOV, Dragomir (BUL)  
 21 Jul 58 186/105  
 NC-1979  
 1976 59.84 1978 70.68 1980 73.66  
 1977 67.12 1979 74.26

BAKARINOV, Yuriy (SU)  
 8 May 38 Moscow 169/98  
 OG-5/1964; EC-3/1962; NC 1964  
 1956 38.88 1962 68.90 1967 67.20  
 1958 60.32 1963 66.87 1968 67.08  
 1959 64.05 1964 69.55 1969 64.98  
 1960 65.19 1965 65.70 1971 65.84  
 1961 67.30 1966 66.70

BALTOVSKIY, Aleksey (SU)  
1 Apr 37 Mogilev 185/108

EC-2/1962; NC-1962

1956	54.22	1962	68.17	1968	69.32
1957	60.68	1963	67.20	1969	68.32
1958	63.13	1964	67.89	1970	67.78
1959	63.92	1965	68.10	1971	65.08
1960	66.52	1966	66.34		
1961	65.91	1967	66.20		

BARNARD, Adam (RSA)

4 Mar 43 Springs 186/88

NO-1968, 1970, 1972-74, 1976-80; AAA 1974-75

1967	54.44	1972	65.42	1977	70.46
1968	54.95	1973	68.16	1978	73.72
1969	60.10	1974	71.76	1979	73.38
1970	62.46	1975	73.58	1980	72.78
1971	61.92	1976	73.86		

BAUMANN, Helmut (GDR)

23 Jan 40 Oelsenitz 181/98

OG-8/1968; NC-3/64-69

1959	48.84	1964	63.68	1968	69.90
1961	58.32	1965	64.25	1969	68.06
1962	62.91	1966	63.57	1970	68.00
1963	63.91	1967	64.10		

BEILIG, Karl-Heinz (GDR)

19 Jan 50 Lauchhammer 186/115

EC-11/1974; NC-1977

1967	57.08	1972	65.28	1977	72.92
1968	61.88	1973	68.08	1978	72.94
1969	60.16	1974	73.70	1979	59.14
1970	67.00	1975	73.98	1980	56.18
1971	57.16	1976	74.76		

BEYER, Uwe (GFR)

14 Apr 45 Timmendorferstrand 191/108

HJ-1.85; PV-3.80; SP-15.52; DT-49.22

OG-2/1964, 16Q/1968, 4/1972;

EC-3/1966, 1/1971, 5/1974;

EP-2/1965, 3/1967, 2/1970, 4/1973;

NC-1/64-71, 3/72, 2/73, 2/74

1963	59.93	1968	72.46	1973	73.10
1964	68.09	1969	71.46	1974	71.04
1965	67.84	1970	72.36	1975	-
1966	68.48	1971	74.90	1976	74.90
1967	69.08	1972	73.88		

BEZJAK, Zvonko (YUG)

29 Jun 35 Varazdin 184/95

OG-6/1960; EC-5/1958, Q17/1962; NC-1/58

1955	58.72	1959	62.42	1963	63.59
1956	61.39	1960	65.38	1964	64.09
1957	64.73	1961	63.36	1965	61.93
1958	64.23	1962	62.18		

BIANCHINI, Orlando (ITA)

4 Jun 55 Montecelio-Guidonia 192/130

EC-Q13/78

1973	56.94	1976	72.14	1979	75.00
1974	62.48	1977	70.26	1980	77.02
1975	67.68	1978	73.44		

BINDAR, Nicolae (RUM)

14 Mar 56 177/113

EJ-6/1975; BALK-1978/79; NC-1978-80

1974	63.54	1977	68.70	1980	74.44
1975	-	1978	70.70		
1976	67.56	1979	73.66		

BLACK, Chris (UK)

1 Jan 50 Edinburgh 188/108

OG-7/76, Q14/80; EC-12/74, Q20/78;  
EP-4/1977; CG-6/1974, 3/1978; AAA-1976-77

1967	41.04	1972	66.42	1977	74.24
1968	50.22	1973	64.80	1978	70.20
1969	54.68	1974	69.48	1979	71.34
1970	57.36	1975	70.16	1980	72.10
1971	60.00	1976	74.98		

BLASK, Erwin (GER)

20 Mar 10 Friedrichsheide 180/97

OG-2/1936; EC-2/1938;

NC-1/1935, 1939-40, 2/1936-37, 1941, 3/1938

1934	41.87	1942	46.08	1950	51.84
1935	51.66	1943	52.75	1951	51.98
1936	55.04	1944	-	1952	53.71
1937	54.66	1945	-	1953	-
1938	59.00	1946	46.55	1954	49.83
1939	58.65	1947	-	1955	48.87
1940	53.76	1948	47.65		
1941	55.75	1949	50.55		

BONDARCHUK, Anatoliy (SU)

31 May 40 Rovno 183/115

OG-1/1972, 3/1976;

EC-1/1969, 3/1971, Q16/1974;

EP-1/1970, 1/1973; NC-1/69-70, 72-73, 2/76

1965	63.56	1969	75.48	1973	75.20
1966	65.36	1970	75.04	1974	73.10
1967	69.52	1971	74.60	1975	73.80
1968	70.72	1972	75.88	1976	77.42

BUNEYEV, Aleksandr (SU)

28 Dec 50 Volgograd 187/115

NC-4/78

1973	67.00	1976	74.50	1979	75.80
1974	69.46	1977	75.78	1980	77.80
1975	73.40	1978	75.36		

BURKE, Ed (USA)					
4 Mar 40	Ukiah, Cal.	185/105			
OG-7/1964, 12/1968; NC-1/66-68; AAA 1967					
1961 55.50	1964 65.80	1967 71.90			
1962 58.62	1965 69.67	1968 69.72			
1963 61.94	1966 69.57	1980 66.66			
CHAMRAD, Jiri (CS)					
19 Jun 54		182/98			
OG-12/1980; NC-1980					
1972 56.52	1975 66.32	1978 70.62			
1973 59.28	1976 67.44	1979 69.24			
1974 65.54	1977 67.56	1980 74.98			
CHIPCHASE, Ian (UK)					
26 Feb 52	Hebburn	176/105			
EC-10/1974; CG-1/1974					
1969 55.46	1973 70.28	1977 59.64			
1970 59.14	1974 71.00	1978 66.76			
1971 64.14	1975 66.58	1979 64.50			
1972 62.80	1976 69.40	1980 66.06			
CHUMAK, Valentin (SU)					
2 Jul 49	Minsk	184/108			
1971 66.60	1974 73.40	1977 75.68			
1972 69.64	1975 74.06	1978 70.22			
1973 71.90	1976 71.06				
CHYZHAS, Anatoliy (SU)					
1956 Minsk					
1978 71.46	1979 75.10	1980 75.68			
CIEPLY, Olgierd (POL)					
28 Mar 36 Czerniaty	184/94				
OG-5/1960, 8/1964; EC-4/1958, 5/1962;					
EP-4/1965; NC-1959-60, 1962-63					
1952 40.76	1958 64.07	1964 67.50			
1953 47.10	1959 64.48	1965 66.02			
1954 54.20	1960 64.57	1966 63.86			
1955 55.50	1961 63.81	1967 62.90			
1956 56.47	1962 65.20	1968 63.86			
1957 62.63	1963 66.51				
CONNOLLY, Harold (USA)					
1 Aug 31 Somerville, Mass	182/115				
OG-1/1956, 8/1960, 6/1964, Q17/1968					
NC-1/1955-61, 1964, 1965					
1953 54.18	1961 69.88	1969 70.84			
1954 55.40	1962 70.66	1970 69.19			
1955 63.88	1963 68.48	1971 67.62			
1956 68.54	1964 70.53	1972 68.30			
1957 65.91	1965 71.26	1973 62.10			
1958 68.68	1966 68.91	1974 62.38			
1959 67.88	1967 64.03	1975 62.90			
1960 70.33	1968 68.48	1977 57.82			

CSEERMAK, Jozsef (HUN)					
14 Feb 32 Szenc	170/89				
OG-1/1952, 5/1956; EC-3/1954, 8/1958;					
NC-1953-54, 1956-57; AAA 1954.					
1950 46.48	1955 61.48	1960 64.23			
1951 55.85	1956 62.59	1961 63.04			
1952 60.34	1957 62.00	1962 63.15			
1953 60.22	1958 61.95				
1954 61.39	1959 63.03				
DADAK, Jiri (CS)					
7 Mar 26	190/92				
OG-4/1952; EC-3/1950, 9/1954;					
NC-1949, 1951					
1944 39.72	1949 51.60	1954 58.16			
1945 45.45	1950 55.89	1955 58.54			
1946 45.47	1951 57.60	1956 56.08			
1947 46.35	1952 57.46				
1948 47.09	1953 54.83				
DICKENSON, Paul (UK)					
4 Dec 49 North Shields	183/105				
OG-Q14/1976; EP-7/1977; CG-4/1978;					
NC-1977, 1980					
1966 48.06	1971 58.50	1976 73.20			
1967 52.80	1972 61.28	1977 65.24			
1968 51.08	1973 61.42	1978 70.32			
1969 57.22	1974 67.66	1979 68.06			
1970 56.08	1975 70.16	1980 72.48			
DMITRENKO, Valentin (SU)					
8 Jun 51 Zaporozhie	178/107				
EC-4/1974; EP-2/1975; WUG-1/73;					
NC-1/74-75					
1969 60.40	1973 74.00	1977 76.52			
1970 63.90	1974 75.52	1978 76.64			
1971 69.70	1975 77.58	1979 71.84			
1972 73.24	1976 76.96	1980 76.02			
DVORETSKIY, Sergey (SU)					
1957					
1979 69.10	1980 75.14				
DYATLOV, Olyeg (SU)					
1947 Kursk	177/96				
1976 67.80	1978 71.72	1980 76.98			
1977 72.48	1979 75.18				
DYULGEROV, Emanuil (BUL)					
7 Feb 55	178/95				
OG-6/80; EC-Q14/78; Balk-1977, 1980					
NC-1977-78, 1980					
1973 59.50	1976 70.76	1979 73.80			
1974 62.08	1977 74.50	1980 75.74			
1975 67.38	1978 74.60				

ECKSCHMIDT, Sandor (HUN)  
25 Oct 38 184/100

OG-11/1964, 5/1968, 6/1972;  
EC-11/1962, 7/1966, 7/1969, 6/1971;  
NC-1972  
1958 54.36 1965 64.14 1972 71.96  
1959 57.03 1966 66.10 1973 69.88  
1960 59.01 1967 68.58 1974 68.68  
1961 62.57 1968 69.46 1975 68.88  
1962 65.61 1969 67.60 1976 68.04  
1963 64.03 1970 67.54  
1964 68.50 1971 71.28

ELLIS, Michael (UK)  
3 Sep 36 London 193/102

OG-15/1960; EC-9/1958; CG-1/1958;  
NC-1957-60

1955 49.94 1958 62.90 1964 58.64  
1956 57.27 1959 64.95  
1957 64.56 1960 64.29

ENCSI, Istvan (HUN)  
1 Feb 43 194/101

OG-11/1972; EC-Q13/1971, 8/1974;  
NC-1971, 1973

1963 55.64 1969 65.04 1975 70.56  
1964 60.16 1970 70.42 1976 70.16  
1965 59.36 1971 73.28 1977 68.38  
1966 59.04 1972 72.46 1978 68.98  
1967 61.54 1973 71.20 1979 67.84  
1968 61.36 1974 70.28

ERICSSON, Bo (SWE)  
28 Nov 19 188/103

OG-6/1948; EC-1/1946; NC-1941-45, 1947-51  
1941 56.66 1946 56.60 1951 53.58  
1942 56.37 1947 57.19 1952 53.55  
1943 55.98 1948 56.23 1953 53.17  
1944 55.49 1949 54.79  
1945 56.04 1950 53.26

FAHSL, Hans (GFR)  
15 Aug 41 Hamborn 192/115  
OG-16Q/1964, 11/1968; EC-9/1962, 9/1966;  
NC-1/1961-63, 2/1960, 1964-70

1960 61.34 1967 66.90 1974 -  
1961 63.94 1968 69.88 1975 -  
1962 62.95 1969 69.36 1976 60.42  
1963 63.73 1970 70.10 1977 58.76  
1964 63.68 1971 69.20 1978 58.50  
1965 61.76 1972 70.78  
1966 64.31 1973 67.02

FARMER, Peter (AUS)

25 Jun 52 184/130

OG-12/76, Q13/80; WP-3/77, 4/79;  
CG-3/74, 1/78; NCAA-1974; AAA 1978-79;  
France 1977, 1980  
1971 56.46 1975 72.58 1979 75.90  
1972 67.64 1976 72.28 1980 73.08  
1973 69.70 1977 74.08  
1974 70.26 1978 74.58

FLANAGAN, John (USA)

1873 Kilbreedy, Eire 178/102

OG-1/1900, 1/1904, 1/1908;  
NC-1897-99, 1901-02, 1906-07;  
AAA 1896, 1900

also p.b. of 6.70 (LJ) & 14.04 (TJ)

1894 39.02 1900 51.61 1906 51.82  
1895 47.43 1901 52.35 1907 52.14  
1896 47.65\* 1902 50.29 1908 53.38  
1897 45.94 1903 48.63 1909 56.19  
1898 48.27 1904 52.71 1910 55.25  
1899 51.11 1905 52.45 1911 51.41

\*from 9'0" circle

FRENN, George (USA)

26 Dec 41 San Fernando 180/109

OG-Q27/1972; NC-1970, 71

1959 22.86 1967 67.34 1975 67.46  
1960 47.82 1968 69.04 1976 65.42  
1961 50.86 1969 69.32 1977 63.66  
1962 54.48 1970 70.89 1978 57.20  
1963 60.60 1971 70.76 1979 65.40  
1964 59.92 1972 70.52 1980 61.62  
1965 64.71 1973 70.00  
1966 63.55 1974 64.42

GAGE, Tom (USA)

16 May 43 190/100

OG-12/1972; PAG-1/1967; NC-1/1969

1963 54.10 1968 68.24 1973 64.86  
1964 57.90 1969 69.62 1974 67.58  
1965 60.91 1970 69.62 1975 -  
1966 66.80 1971 71.16 1976 65.46  
1967 66.52 1972 70.18 1977 64.60

GAMSKIY, Iosif (SU)

20 Oct 49 Lvov 182/104

OG-18/1972

1968 60.41 1972 73.84 1976 -  
1969 63.20 1973 72.48 1977 75.12  
1970 68.96 1974 72.00 1978 70.94  
1971 75.78 1975 70.66 1979 71.10

GERSTENBERG, Detlef (GDR)						HEIN, Karl (GER)											
5 Mar 57			Eisenhuttenstadt			185/105			11 Jun 08								
OG-5/1980; EC-4/1978; EJ-1/1975;						Hamburg											
NC-2/1978, 1980						179/103											
1974	61.48	1977	75.28	1980	78.94	1934	43.76	1945	-	1956	54.92						
1975	70.58	1978	76.94			1935	47.31	1946	54.41	1957	53.72						
1976	71.52	1979	77.82			1936	56.49	1947	56.07	1958	55.90						
GOLDA, Ireneusz (POL)						1937	57.22	1948	56.33	1959	55.27						
23 Jan 55			194/108			1938	58.77	1949	49.25	1960	52.90						
OG-8/1980; EP-8/1977, 5/1979;						1939	57.03	1950	53.65	1961	51.25						
NC-1978-79						1940	54.57	1951	53.91	1962	52.24						
1973	62.30	1976	68.00	1979	74.22	1941	56.61	1952	56.12	1963	49.94						
1974	65.98	1977	71.36	1980	76.58	1942	53.65	1953	52.37	1964	50.26						
1975	69.08	1978	73.44			1943	53.47	1954	54.82	1965	45.11						
GUBIJAN, Ivan (YUC)						1944	55.56	1955	53.18								
14 Jun 23						HUNING, Manfred, (GFR)											
OG-2/1948, 9/1952; EC-4/1950, 7/1954						13 Nov 53 Rhede											
1945	47.94	1950	54.57	1955	59.69	196/115											
1946	51.02	1951	55.53	1956	53.75	EC-6/1974, 5/1978; NC-2/1977-78, 1980.											
1947	56.24	1952	56.39	1957	54.69	1970	46.02	1974	73.36	1978	76.52						
1948	54.32	1953	59.36	1958	57.46	1971	57.32	1975	75.78	1979	79.16						
1949	56.83	1954	59.10			1972	65.16	1976	71.94	1980	77.96						
GURMASHENKO, Aleksandr (SU)						1973	68.40	1977	73.78								
1957						HUHTALA, Harri (FIN)											
1979 74.16 1980 74.26						12 Aug 52 Paattisilla											
HALL, Al (USA)						187/107											
2 Aug 34 Manchester, N.H.			185/105			OG-9/1980; EC-11/1978; EP-5/1975;											
OG-4/1956, 14/1960, 12/1964;						NC-1976-77, 1980											
PAG-1/1959, 1/1963, 1/1971; NC-1-1962-63						1968	44.98	1973	66.04	1978	73.66						
1953	44.86	1962	66.82	1971	66.40	1969	49.22	1974	69.10	1979	74.22						
1954	51.75	1963	65.51	1972	66.28	1970	55.92	1975	71.04	1980	75.94						
1955	56.75	1964	65.63	1973	64.90	1971	59.12	1976	71.40								
1956	62.36	1965	60.35	1974	62.06	1972	60.30	1977	72.68								
1957	64.94	1966	58.30	1975	60.14	HUSSON, Guy (FRA)											
1958	67.23	1967	60.50	1976	62.44	2 Mar 31 Vitry-sur-Seine											
1959	62.92	1968	67.18	1977	58.86	183/108											
1960	65.40	1969	62.58			OG-13/1956; EC-17/1954, 12/1958;											
1961	61.16	1970	60.20			NC-1954-68											
HEALION, Bertie (EIR)						1951	40.12	1958	62.72	1965	65.51						
May 16 Belmullet			187/107			1952	46.25	1959	63.48	1966	68.28						
AAA 1938-39						1953	50.92	1960	63.93	1967	69.40						
1938	54.34	1941	56.23	1944	55.04	1954	54.61	1961	64.69	1968	64.46						
1939	53.58	1942	56.23	1945	52.89	1955	56.45	1962	65.52	1969	65.74						
1940	53.79	1943	58.80	1955	51.81	1956	60.22	1963	67.70								
IQBAL, Muhammad (PAK)						1957	61.87	1964	67.55								
12 Jul 27 Murid			190/90			OG-NQ/1952, 11/1956, 12/1960;											
CG-1/54, 2/58, 3/66						1950	38.60	1956	57.60	1962	61.72						
1951	43.73					1951	58.95	1957	58.95	1963	56 est						
1952	47.95					1952	62.28	1964	58 est								
1953	51 est					1953	62.16	1965	58.96								
1954	58.90					1954	63.10	1966	61.39								
1955	57.64					1955	57 est										

ISCHENKO, Sergey (SU)	KOROLYOV, Viktor (SU)				
20 May 54 Kiev	186/101	29 May 50 Stavropol	180/100		
1974 68.72	1977 73.36	1980 74.18	1970 63.24	1974 72.60	1978 72.60
1975 -	1978 73.64		1971 65.32	1975 70.96	1979 73.34
1976 70.44	1979 74.84		1972 -	1976 76.24	
KHEMELEVSKIY, Vladimir (SU)	1973 71.48	1977 75.50			
14 Jan 48 Krasnodar	196/124	KORSAK, Yevgeniy (SU)	188/106		
OG-3/1972; EC-9/1971; NC-3/1971-72		28 Apr 53 Odessa			
1966 60.08	1970 71.24	1970 61.98	1974 -	1978 69.62	
1967 67.30	1971 74.00	1971 60.23	1975 70.52	1979 74.14	
1968 68.64	1972 74.04	1972 66.94	1976 71.68	1980 72.20	
1969 67.50	1973 73.40	1973 -	1977 70.90		
KLEIN, Edwin (GFR)	KOZLOV, Aleksandr (SU)				
19 Jun 48 Konz	5 Jan 52 Stavropol	190/95	194/120		
OG-7/1972, 8/1976; EC-9/1974; NC-1/1972	NC-1977				
1967 62.33	1971 70.40	1973 66.28	1976 75.90	1979 74.12	
1968 65.40	1972 73.02	1974 71.92	1977 75.70	1980 78.58	
1969 63.98	1973 71.56	1975 74.32	1978 73.42		
1970 69.42	1974 73.44	1978			
KLIM, Romuald (SU)	KRIVONOSOV, Michail (SU)				
25 May 33 Khvoyer (near Minsk)	2 May 29 Mogilev	185/108	189/90		
OG-1/1964, 2/1968;	DT 51.22				
EC-1/1966, 2/1969, 4/1971;	OG-2/1956; EC-1/1954, 2/1958;				
EP-1/1965, 1/1967; NC-1966-68, 1971	NC-1952, 1954-58				
1954 43.46	1961 62.88	1950 42.91	1954 63.34	1958 66.80	
1955 54.76	1962 66.14	1951 51.60	1955 64.52	1959 63.92	
1956 55.68	1963 67.90	1952 60.51	1956 67.32	1960 64.06	
1957 60.32	1964 69.74	1953 59.97	1957 66.70		
1958 60.74	1965 71.02	KUNOVSKIY, Ivan (SU)			
1959 62.32	1966 71.46	25 Jan 49 Brest	191/120		
1960 64.16	1967 70.90	1968 60.30	1973 70.74	1978 73.36	
KNOTEK, Jaroslav (CS)	1969 -	1974 71.60	1977 74.76		
29 Jun 12	194/107	1970 -	1975 73.52	1980 74.68	
OG-NQ/1936; EC-11/1934, 8/1946;	1971 65.48	1976 74.16			
NC-1935-44, 1946-48, 1950	1972 69.10	1977 75.04			
(including SP/DT won 26 National titles)	LAAANSALU, Kunnar (SU)				
1933 47.69	1940 50.60	23 Feb 53	184/100		
1934 48.00	1941 51.64	1970 49.30	1974 64.22	1978 -	
1935 49.01	1942 50.09	1971 53.88	1975 -	1979 73.50	
1936 55.75	1943 50.80	1972 -	1976 63.68	1980 75.20	
1937 54.90	1944 52.20	1973 60.50	1977 68.42		
1938 48.38	1945 48.93	KONDRAZHOV, Gennadiy (SU)			
1939 51.56	1946 52.87	8 Dec 1938 Shores	184/102		
OG-6/1968; EC-11/1966; NC-1963, 1965	14 Mar 34 Dublin	1956 54.66	1960 65.18	1964 63.58	
1956 47.00	1962 65.94	1957 60.93	1961 64.36	1965 60.63	
1957 56.44	1963 67.96	1958 64.59	1962 62.84	1966 62.83	
1958 60.06	1964 68.26	1959 63.61	1963 -		
1959 62.96	1965 68.40	LAWLOR, John (EIR)			
1960 64.40	1966 67.80	14 Mar 34 Dublin	188/100		
1961 64.82	1967 68.88	OG-4/1960; EC-7/1958, Q14/1966;			
	1973 67.70	AAA-1961; NCAA-1959-60			

LESOVOY, Vladimir (SU)						MCDONALD CLARK, Duncan (UK)					
10 Oct 47	Alma Ata		182/94			22 Jun 15		181/95			
1974	72.04	1976	75.16	1978	72.08	OG-11/1948, 18/1952; EC-3/1946, 6/1950;					
1975	73.08	1977	77.60	1979	75.02	CG-1/1950; AAA-1/1950					
LIND, Carl Johan (SWE)						1940	43.21	1945	51.38	1950	56.02
25 May 1883						1941	-	1946	51.72	1951	55.06
OG-5/1912, 2/1920, 7/1924;	NC-1918-24					1942	48.01	1947	54.46	1952	53.02
1912	50.00	1919	46.38	1922	52.51	1943	-	1948	52.50		
1914	49.76	1920	50.45	1923	48.23	1944	50.34	1949	54.29		
1918	46.83	1921	50.05	1924	50.06	MCGRATH, Matt (USA)					
LITVINOV, Sergey (SU)						18 Jun 1876	Nenagh (Eire)	182/115			
23 Jan 58	Hutor		180/97			OG-2/1908, 1/1912, 5/1920, 2/1924;					
OG-2/1980; EP-2/1979; WP-1/1979;						NO-1/1908, 1912, 1918, 1922, 1925, 1926					
EE-3/1975, 2/1977; NC-1979						Weighed only 90 kg early in career					
1974	60.68	1977	74.32	1980	81.66	1906	48.67	1913	56.56/	1921	53.40
1975	65.32	1978	76.22			1907	52.65		58.18X	1922	49.90
1976	72.38	1979	79.82			1908	52.73	1914	55.65	1923	51.14
LOMACHENKO, Vladimir (SU)						1909	52.55/	1915	53.21	1924	52.53
1956			186/92				55.98X	1916	56.80	1925	54.10
1978	68.34	1979	74.46	1980	73.74	1910	51.33	1918	53.88	1926	50.21
LOSCH, Manfred, (GDR)						1911	57.10	1919	53.21	1927	50.45
27 Dec 38	Angermunde		198/123			1912	54.98	1920	51.79	1928	50.18
OG-Q21/1960; EC-10/1962, 4/1966;										1929	50.38
EP-5/1967; NC-1964, 1966-67						MACA, Milos (CS)					
1957	51.23	1962	65.26	1967	65.62	23 Jan 27	Boskovice		178/100		
1958	57.35	1963	65.30	1968	69.10	OG-15/1952; EC-5/1954; NC-1952-56					
1959	59.58	1964	65.54	1969	68.88	1949	47.82	1953	61.00	1957	55.69
1960	62.05	1965	64.64			1950	49.53	1954	58.93	1958	58.75
1961	60.93	1966	66.72			1951	52.48	1955	61.43	1959	59.80
LOTZ, Martin (GDR)						1952	58.57	1956	60.32	1960	57.29
28 May 38	Benhausen		191/93			MALYUKOV, Aleksey (SU)					
OG-Q18/1964; EC-12/1962, 8/1966;						27 Mar 50	Krasino	202/118			
EP-3/1965						EC-Q15/1978; NC-3/1975, 2/1979					
1957	46.65	1961	61.54	1964	66.14	1969	54.18	1973	72.04	1977	70.84
1959	59.32	1962	65.02	1965	67.54	1970	64.86	1974	70.80	1978	78.32
1960	61.88	1963	65.63	1966	65.88	1971	67.28	1975	73.44	1979	77.96
LOVASZ, Lazar (HUN)						1972	72.02	1976	74.54	1980	78.52
24 May 42			189/99			MATOUSEK, Josef (CSR)					
OG-3/1968; EC-6/1966, 6/1969; AAA-1968						7 Sep 28	Zampach	179/101			
1964	59.10	1967	67.04	1970	66.62	OG-9/1964; EC-7/1962; NC-1963-66, 1968					
1965	62.74	1968	69.78	1971	69.14	1953	42.55	1960	63.68	1967	62.72
1966	65.28	1969	67.60			1954	51.00	1961	64.65	1968	63.88
LUBIEJEWSKI, Stanislaw (POL)						1955	55.18	1962	67.82	1969	60.24
27 Mar 47			182/101			1956	55.60	1963	68.78	1970	58.32
OG-Q24/1972; EC-Q17/1969, 8/1971;						1957	58.80	1964	66.71	1971	61.22
EP-4/1970; NC-1969, 1972, 1977						1958	59.57	1965	65.72	1972	59.50
1969	65.54	1973	70.36	1977	70.36	1959	61.90	1966	64.52	1973	62.36
1970	68.98	1974	67.82	1978	71.46	MENDELSON, Alexander (SU)					
1971	69.90	1975	70.14	1979	72.34	11 Nov 51	Kazan				
1972	71.32	1976	70.34	1980	70.02	1969	63.00	1973	66.66	1979	69.26
						1970	63.78	1977	69.82	1980	75.44
						1971	65.40	1978	73.02		

MITCHELL, James, (USA)	NIKULIN, Yuriy (SU)
1865 Co. Tipperary (Ire)	8 Jan 31 Moscow
OG-5/1904; NC-1889-96, 1903; AAA-1886-88	179/102
1886 36.40 1893 41.66 1900 -	OG-10/1960, 4/1964;
1887 37.81 1894 42.86 1901 -	NC-3/1958, 2/1964, 3/1969
1888 41.49 1895 42.43 1902 43.42	1953 54.30 1960 66.52 1967 67.52
1889 40.74 1896 41.05 1903 42.70	1954 56.25 1961 63.84 1968 67.82
1890 40.16 1897 42.47 1904 42.00e	1955 60.05 1962 66.66 1969 69.02
1891 43.21 1898 40.90 1905 44.63	1956 62.85 1963 67.20 1970 68.20
1892 44.21 1899 -	1957 64.27 1964 68.37 1971 67.50
	1958 65.00 1965 67.28 1972 68.42
	1959 64.26 1966 65.30
MUROFISHI, Shigenobu (JAP)	NYENASHEV, Stanislav (SU)
2 Oct 45 181/93	Mar 34 Baku 170/102
OG-8/1972, 11/1976;	NC-1/1953, 2/1954, 3/1955, 2/1956
Asian Games-1/1970, 1974, 1978;	1950 50.12 1955 61.48 1960 63.39
WP-6/79; NC-1970, 1973-80	1951 54.08 1956 63.98 1961 65.30
The only 3-time winner in any event at the Asian Games.	1952 56.93 1957 63.10 1962 62.10
1964 59.62 1970 69.42 1976 70.68	1953 60.70 1958 64.71 1963 64.40
1965 60.68 1971 71.14 1977 64.78	1954 64.05 1959 58.84 1965 62.89
1966 64.46 1972 70.88 1978 70.04	
1967 64.66 1973 68.58 1979 70.48	
1968 62.70 1974 69.44 1980 71.14	
1969 67.18 1975 70.76	
NEILSON, Scott (CAN)	O'CALLAGHAN, Pat (EUR)
31 Jan 57 197/111	15 Sep 05 Kanturk 187/92
WP-5/1977; CG-2/1978; PAG-1/1979, 3/1975;	HJ-1.88, SP-14.75
NCAA-1/1976-79; AAU-1/1979	OG-1/1928, 1/1932; AAA-1934
1974 58.86 1977 69.84 1980 72.62	1927 46.16 1931 56.06 1935 51.20
1975 64.56 1978 72.72	1928 52.32 1932 53.92 1936 56.39
1976 67.30 1979 72.70	1929 49.68 1933 56.05 1937 59.55
	1930 52.22 1934 51.41
NEMETH, Imre (HUN)	OKAMOTO, Noburu (JAP)
23 Nov 17 Kassa (now Kosice, CS) 184/88	19 Feb 37 Korea 177/90
OG-1/1948, 3/1952; EC-4/1946, 6/1954;	OG-13/1960, Q20/1964;
AAA-1947, 1949	Asian Games-1/1962; AAA-1962;
1940 46.13 1947 57.60 1954 57.36	NC-1957, 1959-61
1941 49.37 1948 59.02 1955 58.90	1957 56.08 1961 66.48 1965 63.30
1942 53.04 1949 59.57 1956 59.85	1958 60.00 1962 65.34 1966 63.74
1943 55.48 1950 59.88 1957 56.27	1959 62.85 1963 65.70
1944 55.33 1951 58.13 1958 57.18	1960 64.02 1964 63.97
1945 49.96 1952 60.31 1961 55.14	
1946 55.02 1953 58.92 1962 55.73	
NIKULIN, Igor (SU)	OLSEN, Richard (NOR)
14 Aug 60 Moscow 191/98	19 Apr 58 195/110
EJ-1/1979; NC-2/80	USA-2/1980; NCAA-2/1979
Son of Yuriy Nikulin	1973 37.44 1976 60.42 1979 72.18
1975 48.50 1977 63.40 1979 75.20	1974 40.56 1977 59.30 1980 74.46
1976 58.14 1978 71.60 1980 80.34	1975 54.42 1978 68.82
	OROZCO, Armando (CUB)
	31 Jan 58 182/106
	OG-11/1980; WP-5/1979; PAG-2/1979;
	CAC-1/1978
	1974 62.84 1977 68.88 1980 74.74
	1975 59.04 1978 70.02
	1976 - 1979 70.08

PASTUKHOV, Yuryi, (SU)  
18 Mar 61 Dnepropetrovsk 183/100  
EJ-2/1979

1977 64.30 1979 68.36  
1978 67.66 1980 70.30

PAYNE, Howard (UK)  
17 Apr 31 Benoni (S.Africa) 182/105  
OG-Q17/1964, 10/1968, Q24/1972;  
EC-8/1969, Q15/1971, Q15/1974;  
EP-6/1965;  
CG-4/1958, 1/1962-66-70, 2/1974;  
AAA-1964, 1969-71, 1973

1954 26.82 1962 63.64 1970 69.24  
1955 41.34 1963 63.18 1971 68.20  
1956 48.12 1964 63.10 1972 67.80  
1957 54.20 1965 61.18 1973 69.42  
1958 58.28 1966 63.18 1974 70.88  
1959 57.38 1967 62.40 1975 63.70  
1960 61.34 1968 68.06  
1961 62.56 1969 67.64

PKHAKADZE, Dzhumber (SU)  
29 Apr 51 Tbilisi 186/110

NC-3/1974

1970 65.52 1973 - 1976 77.20  
1971 69.74 1974 74.50  
1972 72.66 1975 77.64

PLOGHAUS, Klaus (GFR)  
31 Jan 56 Gelhausen 186/103

EC-12/1978; EJ-4/1973, 2/1975;  
NC-3/1975, 1978, 1980, 2/1979

1973 59.72 1976 71.62 1979 76.76  
1974 65.40 1977 71.88 1980 77.60  
1975 69.30 1978 73.14

PODBERSCHEK, Eduardo (ITA)  
1 May 49 Gorizia 183/114

OG-Q18/1976; EC-7/1978

1971 60.52 1975 69.96 1979 74.60  
1972 61.36 1976 70.46 1980 73.12  
1973 63.92 1977 68.70  
1974 67.20 1978 73.20

POLEKHIN, Fyodor (SU)  
12 Jul 52 Voroshilovgrad 181/113

1974 65.88 1977 71.52 1980 75.50  
1975 72.58 1978 74.50  
1976 74.46 1979 75.36

POLVI, Hannu (FIN)  
29 Nov 48 Ylivieskassa 186/110

NC-1978

1965 43.04 1971 - 1977 72.62  
1966 49.48 1972 58.86 1978 73.84  
1967 50.04 1973 65.76 1979 73.22  
1968 51.60 1974 68.08 1980 73.94  
1969 55.40 1975 70.84  
1970 52.94 1976 73.08

PORHOLA, Ville (FIN)  
24 Dec 1897 Oulu 183/105

OG-2/1932, 11/1936; EC-1/1934;  
NC-1929-31, 1934-35;  
Olympic Gold medalist in SP, 1920.  
Gave up SP after back injury in 1925.

1922 45.47 1931 53.77 1934 51.68  
1929 48.93 1932 52.63 1935 53.36  
1930 49.15 1933 52.91 1936 53.68

PROKOPENKO, Anatoliy (SU)  
6 May 54 Odessa 187/94

1974 68.08 1977 73.42 1980 78.42\*  
1975 72.04 1978 72.66  
1976 72.24 1979 76.12

\* unconfirmed

PYSHKIN, Sergey (SU)  
11 May 55 Voroshilovgrad 185/110

1977 71.12 1979 73.50  
1978 74.36 1980 72.60

REISSMULLER, Karl-Heinz (GDR)  
20 Oct 54 Muhlhausen 188/105

1972 60.90 1975 67.54 1978 74.98  
1973 63.24 1976 73.04 1979 64.44  
1974 66.50 1977 73.78 1980 69.48

REPIN, Pavel (SU)  
23 Jun 54 Leningrad 176/88

EJ-2/1973

1973 66.18 1976 76.30 1979 76.36  
1974 68.76 1977 70.74 1980 77.42  
1975 70.40 1978 72.82

RIEHM, Karl-Hans (GFR)  
31 May 51 Konz 187/106

OG-10/1972, 4/1976; EC-3/1978;  
WP-1/1977, 2/1979;  
EP-1/1975, 1/1977, 1/1979;  
NC-5/1971, 2/1972, 1/1973, 5/1974, 1/1975-80;  
EJ-4/1970

1968 57.00 1973 73.98 1978 80.32  
1969 60.38 1974 71.10 1979 78.66  
1970 64.50 1975 78.50 1980 80.80  
1971 70.22 1976 78.52  
1972 73.92 1977 77.60

**RODEHAU, Gunther (GDR)**

6 Jul 59 180/105

NC-4/1980

1977 49.94 1979 68.90  
1978 60.84 1980 74.02

**ROSE, Ralph (USA)**

17 Mar 1884 Healdsburg, Cal. 198/114

OG-3/1904, 9/1912

Better known as Shot Putter, Rose is the only man to win medals in 3 modern Olympic throwing events - Shot 1/1904, 1/1908, 2/1912; Discus 2/1904

1904 48.36 1908 50.09  
1905 45.84 1909 54.38\*

\*unsanctioned meet

**RUDEKOV, Vasiliy (SU)**

3 May 31 Zhlobin 187/96

OG-1/1960; EC-6/1962; NC-1959-61

1954 49.99 1959 67.92 1964 67.44  
1955 57.59 1960 68.73 1965 65.10  
1956 60.17 1961 68.95 1966 66.00  
1957 63.64 1962 67.80 1967 66.58  
1958 66.34 1963 67.04 1968 63.14

**RUT, Tadeusz (POL)**

11 Oct 31 Przeworsk 183/90

OG-14/1956, 3/1960, 10/1964;  
EC-4/1954, 1/1958, 8/1962, Q13/1966;  
NC-1954-58, 1961, 1964-65

1952 48.02 1958 65.09 1964 67.07  
1953 55.71 1959 65.61 1965 65.68  
1954 59.87 1960 66.83 1966 64.40  
1955 60.79 1961 65.52 1967 62.58  
1956 63.57 1962 65.76  
1957 64.22 1963 64.91

**RUSANOVSKIY, Mikhail (SU)**

3 Dec 49 Moscow 190/115

1968 62.62 1973 67.22 1978 70.66  
1969 64.50 1974 71.10 1979 70.08  
1970 66.38 1975 73.22 1980 69.94  
1971 70.42 1976 74.38  
1972 69.92 1977 74.18

**RYAN, Pat (USA)**

4 Jan 1883 Pallasgreen, (Eire) 188/115

OG-1/1920

NC-1913-17, 1919-21

1908 48.46 1913 57.79 1919 53.49  
1909 47.07 1914 56.74 1920 52.88  
1910 51.39 1915 57.10 1921 52.95  
1911 54.58 1916 56.87  
1912 55.78 1917 52.77

**SACHSE, Jochen (GDR)**

2 Oct 48 Frankenberg 193/112

OG-3/1972, 6/1976;  
EC-5/1969, 7/1971, 2/1974, 9/1978;  
EP-3/1975, 2/1977;  
NC-1971-72, 1975-76, 2/1969-70, 1974,  
3/1973, 1978

1967 54.42 1971 72.76 1975 76.40  
1968 63.46 1972 74.96 1976 76.40  
1969 68.68 1973 72.42 1977 76.44  
1970 72.40 1974 74.42 1978 75.32

**SAMOTSVYETOV, Anatoliy (SU)**

27 Nov 32 Irkutsk 183/104

OG-3/1956, 7/1960; EC-16/1958;  
NC-2/1957-60

1953 49.10 1957 63.18 1961 65.40  
1954 54.80 1958 66.13 1962 62.45  
1955 60.18 1959 65.92 1963 63.54  
1956 65.03 1960 66.53 1964 63.22

**SCHMIDT, Walter (GFR)**

7 Aug 48 Lahr 192/130

OG-5/1976; EC-5/1971;  
NC-2/1971, 1975-76

1966 58.42 1970 72.92 1974 68.00  
1967 65.01 1971 76.40 1975 79.30  
1968 67.68 1972 73.38 1976 78.02  
1969 65.02 1973 67.32

**SCHUPLYAKOV, Anatoliy (SU)**

2 Aug 38 Gorki 191/97

OG-9/1968; NC-3/1970  
1962 64.80 1966 66.62 1970 70.66  
1963 60.52 1967 68.84 1971 71.00  
1964 65.54 1968 69.84 1972 70.08  
1965 67.02 1969 73.72

**SEDYKH, Yuriy (SU)**

11 Jun 55 Novocherkassk 185/110

OG-1/1976, 1/1980; EC-1/1978; EP-3/1977;  
WP-4/1977; EJ-1/1973; NC-1/1976, 78, 80

1971 57.02 1975 71.18 1979 77.58  
1972 62.96 1976 78.86 1980 81.80  
1973 69.04 1977 76.60  
1974 70.86 1978 79.76

**SEIDEL, Manfred (GDR)**

25 Aug 49 181/109

OG-10/1976; NC-2/1974, 1977

1970 64.38 1974 72.56 1978 56.74  
1971 65.02 1975 72.66 1979 55.94  
1972 68.26 1976 75.70 1980 49.32  
1973 71.72 1977 75.42

**SHEVTSOV, Grigoriy (SU)**

1958 Volgograd

1976 63.48 1978 71.24 1980 77.00  
1977 69.24 1979 75.50

SKIOLD, Ossian (SWE)

22 Jun 1889

186/105

OG-5/1924, 2/1928, 4/1932;  
NC-1928; AAA-1927, 1930-31

1924	51.47	1928	51.85	1932	51.40
1925	50.49	1929	51.78	1933	51.35
1926	52.15	1930	52.47	1934	52.41
1927	53.85	1931	52.25		

SPIRIDONOV, Aleksey (SU)

20 Nov 51

Leningrad

192/118

OG-2/1976; EC-1/1974; EJ-2/1970;  
NC-2/1973-75, 3/1976, 1978

1970	68.14	1974	76.66	1978	75.02
1971	68.28	1975	76.84	1979	76.38
1972	74.58	1976	78.62	1980	73.38
1973	74.08	1977	68.48		

STEUK, Roland (GDR)

5 Mar 59

Berlin

188/110

OG-4/1980; EC-2/1978; EP-3/1979;  
EJ-1/1977; NC-1978-80

1975	66.02	1977	76.38	1979	77.64
1976	67.16	1978	78.14	1980	77.72

STOPAT, Tobias, (GDR)

1 Sep 59

Karl-Marx-Stadt

186/110

NC-2/1979, 3/1980

1974	38.70 (5 kg)	1976	63.54 (6 kg)	1979	74.26
1975	60.94 (5 kg)	1977	67.18 69.80	1980	76.02

STORCH, Karl (GER)

21 Aug 13

Fulda

184/110

OG-2/1952; EC-21 inj/1954;  
NC-1/1941-43, 1948, 1950, 1952, 1954-55,  
2/1938-39, 1946-47, 1949, 1951, 1957-8

1936	47.07	1945	-	1954	59.63
1937	50.03	1946	53.41	1955	59.67
1938	55.52	1947	56.60	1956	59.02
1939	58.53	1948	57.70	1957	58.30
1940	57.71	1949	57.52	1958	58.61
1941	57.48	1950	58.68	1959	57.51
1942	57.80	1951	58.89	1960	53.65
1943	58.94	1952	60.77		
1944	55.48	1953	58.91		

STRANDL, Sverre (NOR)

30 Sep 25

OG-7/1952, 8/1956, 11/1960;  
EC-1/1950, 2/1954, Q13/1962

1948	48.00	1954	62.08	1960	63.45
1949	56.02	1955	61.19	1961	62.47
1950	57.68	1956	62.96	1962	63.88
1951	58.70	1957	62.07	1963	62.45
1952	61.25	1958	58.03	1964	63.28
1953	62.36	1959	62.91	1966	61.30

SUGAWARA, Takeo (JAP)

25 May 38

Akita

174/84

OG-13/1964, 4/1968, 20/1972;  
Asian Games-2/1962, 1/1966;  
NC-1966-68, 1971; AAA-1963

1959	58.75	1965	64.61	1971	69.32
1960	63.34	1966	67.12	1972	67.10
1961	64.75	1967	67.30	1973	-
1962	65.22	1968	69.78	1974	-
1963	67.73	1969	69.63	1975	61.00
1964	66.26	1970	-		

TADDIA, Teseo (ITA)

20 Apr 20

184/92

OG-7/1948, 10/1952;  
EC-6/1946, 2/1950, 10/1954;  
NC-1939, 1941-43, 1945, 1947-51, 1953-56  
AAA-1951

1939	47.91	1946	51.54	1953	57.46
1940	-	1947	52.31	1954	58.45
1941	51.98	1948	55.38	1955	56.67
1942	52.51	1949	56.69	1956	55.68
1943	52.23	1950	59.17	1957	54.40
1944	-	1951	55.59		
1945	49.17	1952	57.12		

TARASYUK, Igor (SU)

11 Apr 57

Minsk

188/101

1976	68.52	1978	72.70	1980	74.78
1977	71.20	1979	75.46		

TAMM, Juri (SU)

5 Feb 57

Parmu

193/120

OG-3/1980

1974	49.16	1977	72.44	1980	80.46
1975	54.76	1978	74.58		
1976	66.86	1979	75.18		

THEIMER, Reinhard (GDR)

28 Feb 48

Berlin

184/105

OG-7/1968, 13/1972;  
EC-3/1969, 2/1971, 3/1974;  
EP-3/1970, 2/1973;  
NC-2/1967, 1/1968, 1/1969, 1/1970, 2/1972,  
1/1973, 1/1974

1965	48.86	1971	74.02	1977	60.24
1966	60.26	1972	72.70	1978	60.28
1967	64.12	1973	73.44	1979	59.14
1968	71.26	1974	76.60	1980	58.80
1969	72.90	1975	-		
1970	71.56	1976	73.30		

THUN, Heinrich (AUT)

1 Sep 38

Vienna

179/95

OG-9/1960, 15/1964; EC-13/1958, 4/1962

1955	43.08	1959	63.89	1963	69.76
1956	51.13	1960	65.52	1964	69.01
1957	56.27	1961	68.33	1965	63.63
1958	60.96	1962	67.14	1966	66.27

TIAINEN, Juha (FIN)

5 Dec 55 Vukuniemella 182/103

OG-10/1980; EP-6/1977; NC-1979

1972	40.94	1975	65.12	1978	71.08
1973	49.62	1976	71.80	1979	74.42
1974	51.64	1977	72.62	1980	75.88

TOOTELL, Fred (USA)

9 Sep 02 Lawrence, Mass. 186/86

OG-1/1924; NC-1923-24;

1921	42.70	1923	55.33/	1924	54.54**
1922	48.39		56.39*		

\* unofficial

\*\* reputed to have thrown 64.18 in training  
in the autumn of 1924

TRUFANOV, Aleksandr (SU)

11 Sep 55 Stavropol 188/120

1973	61.78	1976	69.68	1979	71.62
1974	68.04	1977	-	1980	75.08
1975	70.96	1978	69.94		

URLANDO, Gian Paolo (ITA)

7 Jan 45 Padova 178/95

OG-Q13/1976, 7/1980; EC-8/1978;

EP-8/1975, 5/1977, 4/1979;

NC-1967, 1975-80; TAC-1980

1965	55.25	1971	60.02	1977	72.22
1966	61.64	1972	55.66	1978	75.64
1967	62.90	1973	-	1979	73.76
1968	64.82	1974	63.82	1980	77.84
1969	-	1975	68.32		
1970	60.46	1976	72.14		

VALENTYUK, Valeriy (SU)

4 Mar 47 Kharkov 185/102

1965	56.00	1970	64.34	1975	74.90
1966	58.90	1971	70.00	1976	73.18
1967	-	1972	68.92	1977	74.28
1968	64.36	1973	72.14	1978	73.50
1969	66.02	1974	-	1979	72.66

VECCHIATTO, Mario (ITA)

24 Oct 48 Udine 184/110

OG-9/1972; EC-10/1971; EP-5/1970;

NC-1970-72

1968	59.30	1971	71.72	1978	70.06
1969	64.26	1972	74.56	1979	65.36
1970	68.40			1980	65.34

VORONTSOV, Valeriy (SU)

1 Jun 46 Mogilev 184/102

1970	64.90	1974	69.54	1978	70.26
1971	66.08	1975	71.72	1979	73.00
1972	67.68	1976	71.36		
1973	71.20	1977	75.20		

WARGARD, Fred (SWE)

OG-3/1936

WILLIAMS, Barry (UK)

5 Mar 47 Liverpool

189/108

1965	45.41	1971	66.04	1977	56.90
1966	54.92	1972	69.42	1978	-
1967	57.71	1973	71.26	1979	63.24
1968	61.70	1974	68.80	1980	62.58
1969	64.36	1975	-		
1970	63.10	1976	73.86		

WOLF, Karl (GFR)

11 Feb 12 Ladenburg/Baden 184/105

OG-6/1952; NC-1/1949, 1951, 1953,  
2/1948, 1950, 1952, 3/1937, 1946-47

1935	49.03	1940-46	-	1951	58.85
1936	52.28	1947	53.60	1952	58.91
1937	52.90	1948	56.12	1953	56.04
1938	52.83	1949	56.39		
1939	52.04	1950	57.11		

YAKUNIN, Anatoliy (SU)

19 Oct 48 Leningrad 186/90

1971	67.88	1974	70.02	1977	71.24
1972	69.00	1975	74.42	1978	70.06
1973	70.56	1976	75.60	1979	71.22

YEFTIMOV, Anatoliy (SU)

18 Jun 56 Leningrad 184/106

1976	70.88	1978	72.20	1980	75.08
1977	70.52	1979	73.92		

ZAYCHUK, Boris (SU)

28 Aug 47 Tokmak 185/96

EC-6/1978; NC-2/1978, 3/1977

1964	53.70	1970	65.94	1976	75.42
1965	57.64	1971	69.56	1977	76.50
1966	58.38	1972	69.34	1978	80.14
1967	61.48	1973	67.48	1979	77.42
1968	62.46	1974	69.20	1980	80.48
1969	64.20	1975	72.38		

ZSIVOTZKY, Gyula (HUN)

25 Feb 37 Budapest 190/100

OG-2/1960, 2/1964, 1/1968;  
EC-3/1958, 1/1962, 2/1966, 4/1969, 11/1971;  
NC-1958-70; AAA-1965-66; EP-2/1967

1953	46.82	1960	69.53	1967	68.96
1954	51.16	1961	65.41	1968	73.76
1955	53.07	1962	70.42	1969	72.58
1956	59.69	1963	69.06	1970	70.96
1957	62.38	1964	69.08	1971	73.06
1958	64.10	1965	73.74	1972	72.04
1959	65.72	1966	71.94		

\*! OG-16/1972; EC-Q22/1971;  
CG-3/1970, 4/1974; EP-5/1973;  
AAA-1972

BOOK REVIEWS

AMERICAN ATHLETICS ANNUAL 1981

Rich Perelman has updated his mammoth 1980 Annual in this 526 page volume, containing All-time lists, results of major 1980 meetings, lists of winners of major championships and personal progressions. While the progressions concentrate on US-based athletes, the book is a fine reference work. The price of #25 for Europe is a bit steep (it's #12 in the USA) but for those who need to keep up to date it's invaluable.

(Obtainable from the Book Order Dept., The Athletics Congress, P.O. Box No.120, Indianapolis, Indiana 46206, USA)

KENYAN AMATEUR ATHLETIC ASSOCIATION YEARBOOK OF BEST PERFORMANCES OF 1980

Kenya has produced great athletes in the last 15 years, but very little in the way of statistics. West German, Walter Abmayer, now coaching in Kenya, has rectified this. This fine booklet contains Kenyan Performance lists for men and women for 1980, together with record lists of Africa and Kenya, plus Stan Greenberg's 1980 Commonwealth List. The price is Dm 5.00, and together with the upcoming Ghana-Nigeria-Uganda-Tanzania-Zambia-Kenya book (10 Dm) is available from Walter Abmayer, c/o G.T.Z., P.O. Box 41607, Nairobi, Kenya.

GESCHICHTE DER DEUTSCHE REKORDE

GESCHICHTE DER DEUTSCHEN SPRINTER - 100M

Siegfried Banse's books are always superb compilations. His most recent books are Band 3 and 4 of his series on German athletics. Both books are size A.4, comprising more than 250 pages each, and represent perfect examples of how statistics should be presented. Band 3 covers the evolution of German athletics records with full results for each competition where a record was set, for both men and women, together with a detailed index of all record breakers. Band 4 concerns itself with just one event, the 100 metres. Yearlists from 1905, all-time lists at the end of 1919, 1945 and 1980, and results of all dual meets involving Germans are just part of the material included about the second strongest sprint nation historically.

Both books retail at Dm 18.50 each and postage of Dm 6.50 should be allowed. (Obtainable from Siegfried Banse, Hainholzer Schulstrasse 29, 2200 Elmshorn. West Germany).

ATFS USA ANNUAL 1981

This year the US Annual has changes of a positive and negative nature compared with its predecessors. On the plus side, altitude marks have now been integrated with the main lists to make reference to athletes' performances easier. However, the print (produced by a computer) is almost as illegible as this writer's hand-writing. Statistically it's an excellent work, and at US #7.50 is a good buy.

Available from Scott Davis, P.O. Box 45465, Los Angeles, California 90045.

Richard Hymans.

WORLD & EUROPEAN MARATHON LISTS FOR 1938 & 1939 compiled by Roger Gynn

The lay-out is fairly normal but abbreviations in the last columns after the date are as follows:

NC, OG etc as normal; but POL = Polytechnic Harriers' marathon; (NC) = denotes a foreign runner in a NC race; nr = national 'record' set; 1, 2 etc = European ranking on the world list; \* before venue denotes the finish of a point to point course where known.

Any constructive comments as to contents etc as well as the inevitable addenda and errata will be most welcome by Roger at 36 On The Hill, Carpenders Park, Watford, Hertfordshire WD1 5DR.

Pat Dengis	USA 02	1:30:27.6	1	*Salisbury	30 May	nr
Johannes Coleman	SOA 10	2:30:49.8	1	Sydney	7 Feb	BEG
Shinichi Nakamura	JAP	2:32:24	1	Kokura	6 Mar	
Walter Young	CAN 13	2:34:47	1	Montreal	22 Oct	NC
Isao Hashimoto	JAP	2:35:23	2	Kokura	6 Mar	
Leslie Pawson	USA 05	2:35:34.8	1	*Boston	19 Apr	
Jack Beman	GBR 96	2:36:39.6	1	*White City	16 Jul	NC
Gérard Côté	CAN 13	2:37:16	2	Montreal	22 Oct	NC
Eugen Bertsch	GER 07	2:37:25	1	Breslau	29 Jul	NC
Fred Bristow	(10) CAN	2:37:27	3	Montreal	22 Oct	NC
Väinö Muinonen	FIN 98	2:37:28.8	1	Paris	4 Sep	EC
John Kelley	USA 08	2:37:34.6	3	*Boston	19 Apr	
Shigeichi Kabasawa	JAP	2:37:38	1	Aomori	25 Jun	
Bert Norris	GBR 98	2:37:57	2	Sydney	7 Feb	BEG
Jack Gibson	SOA 14	2:38:20	3	Sydney	7 Feb	BEG
József Mucsi	HUN 13	2:38:44.8	1	Budapest	9 Oct	NC
Erich Puch	GER 12	2:39:03	2	Breslau	29 Jul	NC
Squire Yarrow	GBR 05	2:39:03	2	Paris	4 Sep	EC
Mal Porter	USA	2:39:07	2	*Salisbury	30 May	
Paul Donato	(20) USA	2:39:18	3	*Salisbury	30 May	
Shinichi Yoshida	JAP	2:39:20	1	Osaka	23 Nov	
Mitsunori Yano	JAP	2:39:22	3	Kokura	6 Mar	
Choichi Sakamoto	JAP	2:39:55				
Francis O'Sullivan	GBR 05	2:40:03	2	*White City	16 Jul	NC
George Latham	GBR	2:40:21	3	*White City	16 Jul	NC
Rudolf Wöber	AUT 11	2:40:26	1	Klagenfurt	18 Aug	NC
Manuel Dias	POR 05	2:40:35.6	1	Lisbon		11
Wilhelm Borgsen	GER 06	2:41:00	3	Breslau	29 Jul	NC
Hermann Helber	GER 02	2:41:12	2	Klagenfurt	18 Aug (NC)	13
Francesco Roccati	(30) ITA 08	2:41:26.6	1	Carpi	2 Oct	NC

Additional Performances:

Dengis	2:36:41.4	2	*Boston	19 Apr
Dengis	2:39:32.6	1	Yonkers	6 Nov NC
Porter	2:39:55	4	*Boston	19 Apr
Pawson	2:39:58	4	*Salisbury	30 May
Bristow	2:40:36	5	*Salisbury	30 May

European Supplement (see above for top 14 performers)

Werner Gnädig	GER	2:41:35	4	Breslau	29 Jul	NC
Harold Wood	GBR 03	2:41:58	5	*White City	16 Jul	NC
Henry Palmé	SWE 07	2:42:00	1	*White City	18 Jun	POL
Alf Mitchell	GBR 07	2:42:20	6	*White City	16 Jul	NC
Donald McNab Robertson	GBR 05	2:42:40	4	Sydney	7 Feb	BEG
Georg Balaban	(20) AUT 13	2:43:24	3	Klagenfurt	18 Aug	NC
Nikolay Golovanov	SOV	2:43:32.2	1	Moscow	18 Sep	NC
Wohlgemuth	GER	2:43:54	5	Breslau	29 Jul	NC
George Malcolmson	GBR	2:44:15	8	*White City	16 Jul	NC
Maurice Waltisperger	FRA 11	2:44:28	4	Paris	4 Sep	EC
Anatoliy Panushkin	SOV	2:44:30.6	2	Moscow	18 Sep	NC
Josef Bena	CZE 02	2:44:38.6	1	*Prague	29 May	
Wieczorek	GER	2:44:43	6	Breslau	29 Jul	NC
Savino Resta	ITA 10	2:44:59	2	Carpi	2 Oct	NC
Leslie Griffiths	GBR 05	2:45:08	9	*White City	16 Jul	NC
Mikhail Khramov	(30) SOV	2:45:08.4	3	Moscow	18 Sep	NC

<sup>1</sup> Dengis time shown as 2:30:27.6 in NY Times; 2:30:25.6 in NY Herald

Additional Performances:

Palme	2:42:13.6	3	Paris	4 Sep	EC
Robertson	2:42:40	7	*White City	16 Jul	NC
Puch	2:45:08.8	5	Paris	4 Sep	EC
Yarrow	2:42:35	2	*White City	18 Jun	POL

Additional National Champions:

BUL - Bogden Fingarov 3:06:00; DEN - Carl Mikkelsen 3:04:24; FIN - Mauno Tarkiainen 2:46:36.8; FRA (35km) - Maurice Waltisperger 2:13:52; GRE - Vassilios Koussidis 3:13:47; HOL - Pleun van Leenen 3:14:43.4; IND - Amar Singh 2:59:17.6; JAP - Shigeichi Kabasawa 2:45:29; LAT - Karlis Blumbergs ? ; MEX - Margarito Pomposo 3:25:00; POL - Jan Marynowski 2:50:39.2; SOA - Alfred Hampton 2:46:56.2; SWE (40km) - Henry Palme 2:32:31; SWZ - Ernst Meier 2:58:40; TUR - Selim Sunal 3:15:19; YUG - Franjo Krajcar 3:28:25.

BALKAN - (40km) - Anastassios Ragazos 2:30:38

Additional National Records:

TUR - Sevki Koru 2:55:38; AUS - Brendon Doyle 2:42:27

Additional National Leaders:

BEL - Felix Meskens 2:51:15; SWZ - Ernst Meier 2:54:25

Additional Race Series Winners:

\*Port Chester - Pat Dengis 2:42:29.2

# 1939

Ellison Brown	USA 14	2:28:51.8	1	*Boston	19 Apr	nr	
Don Heinicke	USA	2:31:24.6	2	*Boston	19 Apr		
Toyu Go	JAP	2:31:26	1	Tokyo	3 Nov	NC	
Shinzo Koga	JAP	2:31:34	1	Kokura	4 May		
Walter Young	CAN 13	2:32:41.2	3	*Boston	19 Apr	nr	
Pat Dengis	USA 02	2:32:44.4	1	*Salisbury	30 May		
Savino Resta	ITA 10	2:33:25	1	Milan	25 Jun	nr 1	
Manuel Dias	POR 05	2:33:36	1	Lisbon	7 May	NC 2	
Leslie Pawson	USA 05	2:33:57.6	5	*Boston	19 Apr		
Shigeichi Kabasawa	(10)	2:34:20	2	Tokyo	3 Nov	NC	
Paul Donato	USA	2:34:25.2	6	*Boston	19 Apr		
Claudio Asoletti	ITA 14	2:35:03.6	2	Milan	25 Jun	3	
Jack Gibson	SOA 14	2:35:07	1	Krugersdorp	8 Apr	NC	
Francesco Roccati	ITA 08	2:35:23.6	1	Milan	15 Oct	4	
Gérard Côté	CAN 13	2:35:33	2	Yonkers	12 Nov (NC)		
Donald McNab Robertson	GBR 05	2:35:37	1	*White City	8 Jul	NC 5	
Kiryu Nan	JAP	2:36:05	1	Tokyo	3 Apr		
Robert Rankine	CAN 09	2:36:11	1	Toronto	24 May	NC	
Joao Miguel	POR	2:36:40	2	Lisbon	7 May	NC 6	
Tauno Mustonen	(20)	FIN 08	2:36:51	1	Helsinki	1 Oct	7
Kaoru Yokota	JAP	2:36:55	1	Kokura	5 Apr		
Henry Palme	SWE 07	2:36:56	1	*White City	17 Jun	POL 8	
Giovanni Furlan	ITA 09	2:37:04	3	Milan	25 Jun	9	
John Kelley	USA 08	2:37:07	2	*Salisbury	30 May		
Walter Hornby	CAN	2:37:11	7	*Boston	19 Apr		
Ján Takáč	CZE 09	2:37:29.8	1	Zlin	15 Oct	NC 10	
Mauno Tarkiainen	FIN 04	2:37:31.2	1	Helsinki	26 Aug	NC 11	
Mitsunori Inoue	JAP	2:37:46	1	Fukuoka	10 Oct		
Squire Yarrow	GBR 05	2:37:50	2	*White City	8 Jul	NC 12	
Giannino Bulzone	(30)	ITA 11	2:37:57	5	Milan	25 Jun	13

Additional Performances:

Dengis	2:33:22.6	4	*Boston	19 Apr
Dengis	2:33:45.2	1	Yonkers	12 Nov NC
Kelley	2:37:08	3	Yonkers	12 Nov NC
Roccati	2:37:23	4	Milan	25 Jun
Côté	2:37:43	8	*Boston	19 Apr

European Supplement (see above for top 13)

Romano Maffeis	ITA 11	2:39:19	6	Milan	25 Jun
Antonín Zeman	CZE 15	2:40:59	2	Zlín	15 Oct
Ivan Cheburkin	SOV	2:41:27	1	Moscow	19 Sep NC nr
Elias Suoknuuti	FIN 99	2:42:02	2	Helsinki	26 Aug NC
Nikolay Kopylov	SOV	2:42:03	2	Moscow	19 Sep NC
Nikolay Golovanov	SOV	2:42:38	3	Moscow	19 Sep NC
Bert Norris	(20) GBR 98	2:42:42	2	*White City	17 Jun POL
Salvatore Costantino	ITA 19	2:42:54	3	Milan	15 Oct
Umberto De Florentis	ITA 11	2:43:14	4	Milan	15 Oct
Giovanni Balbusso	ITA 08	2:43:18	7	Milan	25 Jun
Francesco Pintore	ITA	2:43:18	8	Milan	25 Jun
Nikolay Babarykhin	SOV	2:43:27	4	Moscow	19 Sep NC
Fyedoris Vanin	SOV 14	2:43:57	5	Moscow	19 Sep NC
Sergey Desyatnikov	SOV	2:44:14	6	Moscow	19 Sep NC
Mikhail Glanskov	SOV	2:44:21	7	Moscow	19 Sep NC
Bert Footer	GBR 04	2:44:35	3	*White City	17 Jun POL
Frans Lahti	(30) FIN 97	2:44:41.4	3	Helsinki	26 Aug NC

NOTE: No times available after first place at Toronto 24 May. 2nd - Fred Bristow  
at 300 yds - 2:37:50 estimated ?

Additional Performances:

Roccati	2:39:37	1	Carpri	6 Aug NC
Maffeis	2:42:30	2	Milan	15 Oct

Additional National Champions:

BUL - Jordan Petrov 3:15:21; DEN - Anders Hartington-Andersen 2:50:35; EST - B Lont 3:06:40.4; FRA - Nouba Khaled 2:13:29 (35km); GER - Ernst Weber 2:47:19.2; GRE - Stefanos Stefanou 3:19:15; HUN - József Kiss 2:47:47.6; LAT - Hermanis Grinbergs ?; MEX - Hilario Hernández 3:24:17.4; NZL - Charles Gibbons 2:44:57; SWE (40km) - Henry Palme 2:33:14.4; SWZ - August Niederhauser 2:56:09.4; RUM - Ludovic Gall 2:54:26; TUR - Sevki Koru 2:48:00; YUG - I Gales ?.

BALKAN - Stylianos Kyriakidis (GRE) 2:52:07

Additional National Records:

TUR - Sevki Koru 2:38:00d

Additional Race Series Winners:

\*Baltimore (first since 1932) - Pat Dengis 2:44:30; \*Port Chester - Pat Dengis 2:45:20

SUBSCRIPTIONS

With this issue, subscribers whose subscription expired with the last issue will find a renewal slip showing the rates for the next year. Unfortunately the postage rates for Europe and the USA (and elsewhere) are so much in excess of those for the UK that there has regrettably had to be an increase. The rates will now be:

UK - £5.00; Europe - £6.00; USA (& elsewhere) - £7.00.

Single copies - £1.00; (75p if bought at meetings in UK).

ALL-TIME WOMEN'S WORLD RANKINGS

Compiled by Ian Hodge

The Rankings began in 1956; the 1500m was added in 1969, 3000m in 1974, Marathon in 1976, and 400m Hurdles in 1977.

100 Points in one event

					Pts	Years	No. 1's
1	Irena	Szewinska	(POL)	200m	131	15	7
2	Ruth	Fuchs	(GDR)	Javelin	110	12	8
3	Iolanda	Balas	(HUN)	High Jump	106	11	9
4	Nadyezdha	Chizhova	(SOV)	Shot Put	103	11	7
5	Faina	Myelnik	(SOV)	Discus	102	11	7

Totals for All Events

1	Irena	Szewinska	342	(POL)	200m	131	15	7
					100m	82	12	2
					400m	55	6	4
					Long Jump	61	8	3
					400m Hurdles	8	1	3rd
					Pentathlon	5	1	6th
2	Tamara	Press	182	(SOV)	Shot Put	92	10	7
					Discus	90	11	3
3	Maria	Itkina	153	(SOV)	400m	79	10	3
					200m	48	7	1
					100m	26	4	2nd
4	Renate	Stecher	139	(GDR)	200m	72	8	3
					100m	67	7	4
5	Irina	Press	137	(SOV)	Pentathlon	71	8	7
					80m Hurdles	55	7	3
					Shot Put	11	3	6th
6	Betty	Cuthbert	133	(AUS)	200m	53	7	3
					100m	44	5	2
					400m	36	4	2nd
7	Mary	Rand	132	(GBR)	Long Jump	67	9	4
					Pentathlon	47	6	2nd
					80m Hurdles	14	4	6th
					High Jump	4	2	9th
8	Galina	Bystrova	115	(SOV)	Pentathlon	65	8	2
					80m Hurdles	44	8	1
					Long Jump	6	1	5th
9	Faina	Myelnik	115	(SOV)	Discus	102	11	7
					Shot Put	13	4	6th
10	Shin Keum	Dan	113	(NK)	400m	64	8	5
					800m	49	7	3
11	Grete	Waitz	112	(NOR)	3000m	53	6	2
					Marathon	30	3	3
					1500m	29	5	1
12	Ruth	Fuchs	110	(GDR)	Javelin	110	12	8
13	Iolanda	Balas	106	(RUM)	High Jump	106	11	9
14	Heide	Rosendahl	104	(GFR)	Pentathlon	55	6	2
					Long Jump	44	5	2
					100m Hurdles	6	1	5th
14	Gunhild	Hoffmeister	104	(GDR)	1500m	55	6	2
					800m	51	6	2
16	Nadyezdha	Chizhova	103	(SOV)	Shot Put	103	11	7
17	Marita	Koch	101	(GDR)	400m	47	5	3
					200m	35	4	2
					100m	19	3	3rd

Top Six in Each Event

100 metres

					Years	No. 1's
1	Irena	Szewinska	(POL)	82	1965-77	12
2	Renate	Stecher	(GDR)	67	1970-76	7
3	Annegret	Richter	(GFR)	56	1972-79	8
4	Betty	Cuthbert	(AUS)	44	1956-60	5
5	Wyomia	Tyus	(USA)	41	1964-68	5
5	Raelene	Boyle	(AUS)	41	1968-76	2nd

200 metres

1	Irena	Szewinska	(POL)	131	1964-79	15	7
2	Renate	Stecher	(GDR)	72	1969-76	8	3
3	Betty	Cuthbert	(AUS)	53	1956-63	7	3
4	Raelene	Boyle	(AUS)	52	1968-77	8	2nd
5	Maria	Itkina	(SOV)	48	1956-63	7	1
6	Marita	Koch	(GDR)	35	1977-80	4	2

400 metres

1	Maria	Itkina	(SOV)	79	1956-65	10	3
2	Shin Keum	Dan	(NK)	64	1959-67	8	5
3	Irena	Szewinska	(POL)	55	1974-79	6	4
4	Christine	Lathan	(GDR)	49	1975-80	6	2nd
5	Marita	Koch	(GDR)	47	1976-80	5	3
6	Yekaterina	Parlyuk	(SOV)	43	1956-62	7	3rd

800 metres

1	Vera	Nikolic	(YUG)	53	1966-72	7	2
2	Gunhild	Hoffmeister	(GDR)	51	1970-75	6	2
3	Shin Keum	Dan	(NK)	49	1960-67	7	3
4	Lyudmila	Lysenko	(SOV)	48	1956-63	7	3
5	Ileana	Silai	(RUM)	42	1968-79	7	3rd
6	Madeleine	Manning	(USA)	39	1967-75	5	3

Vera Mukhanova (SOV) has also been ranked for seven years

1500 metres

1	Gunhild	Hoffmeister	(GDR)	55	1970-76	6	2
2	Lyudmila	Bragina	(SOV)	45	1969-76	7	1
3	Tatyana	Kazankina	(SOV)	44	1974-80	5	3
4	Natalia	Maracescu	(RUM)	37	1975-79	5	2nd
5	Paola	Cacchi	(ITA)	36	1969-73	4	1
6	Grete	Waitz	(NOR)	29	1974-79	5	1

3000 metres

1	Grete	Waitz	(NOR)	53	1975-80	6	2
2	Svetlana	Ulmasova	(SOV)	36	1975-79	5	2
3	Natalia	Maracescu	(RUM)	33	1974-78	4	2nd
4	Lyudmila	Bragina	(SOV)	28	1974-77	3	1

100 metres Hurdles (80m 1956-68)

1	Pam	Ryan	(AUS)	95	1961-72	11	3
2	Karin	Balzer	(GDR)	87	1962-72	11	4
3	Grazyna	Rabsztyn	(POL)	69	1971-80	10	3
4	Irina	Press	(SOV)	55	1959-66	7	3
4	Annelie	Ehrhardt	(GDR)	55	1970-77	7	3
6	Gisela	Birkmeyer	(GDR)	53	1956-61	6	1

High Jump

						Years	No. 1's
1	Iolanda	Balas	(RUM)	106	1956-66	11	9
2	Taisia	Chenchik	(SOV)	85	1957-67	11	2nd
3	Rosemarie	Ackermann	(GDR)	79	1972-80	9	4
4	Rita	Schmidt	(GDR)	64	1967-75	9	2nd
5	Michele	Brown	(AUS)	63	1956-66	9	2nd
6	Sara	Simeoni	(ITA)	61	1972-80	8	2

Long Jump

1	Mary	Rand	(GBR)	67	1959-67	9	4
2	Viorica	Viscopoleanu	(RUM)	62	1964-73	10	1
3	Irena	Szewinska	(POL)	61	1964-72	8	3
4	Tatyana	Shekelanova	(SOV)	56	1961-66	6	3
5	Angela	Voigt	(GDR)	50	1973-79	6	2
6	Elzbieta	Krzesinska	(POL)	47	1956-63	6	1
	Helga	Hoffman	(GFR)	47	1957-66	8	3rd

Shot Put

1	Nadyezhda	Chizhova	(SOV)	103	1965-76	11	7
2	Tamara	Press	(SOV)	92	1957-66	10	7
3	Margitta	Gummel	(GDR)	83	1962-72	11	1
4	Galina	Zybina	(SOV)	82	1956-67	11	2nd
5	Helena	Fibingerova	(CZE)	74	1972-80	9	1
6	Renate	Garisch	(GDR)	68	1960-69	9	1

Discus

1	Faina	Myelnik	(SOV)	102	1970-80	11	7
2	Tamara	Press	(SOV)	90	1956-66	11	3
3	Liesel	Westermann	(GFR)	74	1966-74	9	2
4	Nina	Ponomaryeva	(SOV)	67	1956-63	8	5
5	Jolan	Kleiber	(HUN)	53	1961-68	8	1
6	Argentina	Menis	(RUM)	52	1971-77	7	2

Javelin

1	Ruth	Fuchs	(GDR)	110	1967-80	12	8
2	Elvira	Ozolina	(SOV)	65	1957-73	9	3
3	Kate	Schmidt	(USA)	56	1972-79	8	2nd
4	Danuta	Jaworska	(POL)	53	1967-73	6	3
5	Dana	Zatopkova	(CZE)	48	1956-61	6	2
6	Yelena	Gorchakova	(SOV)	47	1959-67	9	3rd

Pentathlon

1	Irina	Press	(SOV)	71	1958-66	8	7
2	Burglinde	Pollak	(GDR)	70	1970-80	9	3
3	Nadyezhda	Tkachenko	(SOV)	69	1972-80	8	4
4	Galina	Bystrova	(SOV)	65	1956-64	8	2
5	Valentina	Tikhomirova	(SOV)	57	1965-72	8	2nd
6	Heide	Rosendahl	(GFR)	54	1966-72	6	2

Britain's Top Points Scores

1	Mary	Rand	132	LJ -67, Pent-47, 80mH-14, HJ-4
2	Dorothy	Hyman	67	100m-35, 200m-32
3	Lillian	Board	39	400m-24, 800m-15
4	Sonia	Lannaman	34	100m-18, 200m-16
5	Tessa	Sanderson	28	JT -28
6	Mary	Peters	26	Pent-26

Rand has twenty-one mentions in the rankings.

Britain's Top Scorer in Each Event

100m	Hyman	35	80/100mH	Quinton, Rand	14
200m	Hyman	32	400mH	Warden	6
400m	Board	24	HJ	Hopkins, Shirley	17
800m	Leather	25	LJ	Rand	67
1500m	Ridley	12	SP		0
3000m	Smith	8	DT		0
Mar	Smith	16	JT	Sanderson	28
			Pent	Rand	47

Britain have Ten No.1 rankings (the most recent being Mary Peters 1972 Pentathlon). The other nine are as follows:

Rand Long Jump 1959, 1960, 1963 and 1964  
Hyman 100m 1962 and 1963; 200m 1963  
Leather 800m 1957  
Anne Smith 800m 1965

Other Country's Top Points Scorers

1	Poland	Irena	Szewinska	342
2	Soviet Union	Tamara	Press	182
3	East Germany	Renate	Stecher	139
4	Australia	Betty	Cuthbert	133
5	North Korea	Shin Keum	Dan	113
6	Norway	Grete	Waitz	112
7	Rumania	Io landa	Balas	106
8	West Germany	Heide	Rosendahl	104
9	Taiwan	Chi	Cheng	91
10	Czechoslovakia	Helena	Fibingerova	74
11	Bulgaria	Ivanka	Khristova	62
12	United States	Wyomia	Tyus	61
12	Italy	Sara	Simeoni	61
14	Yugoslavia	Vera	Nikolic	53
14	Hungary	Jolan	Kleiber	53
16	Canada	Debbie	Brill	48
17	Austria	Ilona	Gusenbauer	47
17	Cuba	Margaret	Cobian	47
19	Finland	Mona-Lisa	Pursianen	42
20	Holland	Gerda	Kraan	35
20	Ghana	Alice	Annum	35

CHANGE OF SECRETARY

As members will already know, the NUTS has a new Secretary. At the AGM in August David Wilkinson took over from David Martin. I would like to take this opportunity of thanking David (Martin) for all the help he has given me in connection with NUTS NOTES over the last 2/3 years. It has been invaluable. He took over as Secretary at a critical time for the NUTS in this regard and I am sure all members will agree that David has done a really first class job. Our best wishes to you, David, in your stay in Germany.

And a warm welcome to David Wilkinson as our new Secretary. For anyone wishing to contact him on NUTS matters, his address is: Flat 5, 123 Central Hill, Upper Norwood, London S.E.19.

WHO'S WHO IN THE NUTS

PART III

Details are again given in the following order:

Surname, First name(s), Date and place of birth; occupation; marital status and children (if any); height/weight; education; interests (other than athletics); Year athletic interest started; greatest performance(s) witnessed; Best marks (if active).

BARRASS, Hugh; b. 9.11.62 Aldershot; student; s.; 1.82/79.4; A level (shortly to be at Cambridge reading Engineering); canal restoration, campaign for real ale, cricket, rugby, etc as time permits; 1969?, 1978 first became qualified; 2.59.0-800, age 11 years!

CLARKSON, Peter Alan; b. 9.5.57 Westow, N. Yorks; student; s.; 1.80/80; Pocklington School, obtained B.A. in Mathematics at The Queen's College, Oxford, now studying for D.Phil.; popular music, most other sports; 1972; S. Coe running 1.44.7 at Hull 7.6.80; 110mH-15.5, 400mH-56.1, (200mH-25.7); club coach (hurdles).

FAIRGRIEVE, John Douglas; b.2.12.46 Stow, Midlothian, Scotland; Purchasing Manager; m., 1 s. (9 yrs);\*;Currie Secondary School - 10 'O' levels and 4 Highers, Heriot Watt and Napier Colleges, Edinburgh - HND in Production Engineering, professional qualifications - C.Eng., MIPrDE, MBIM; stamp collecting, gardening, caravanning, swimming; 1962 - the inaugural year for Edinburgh Athletic Club (founded in 1961); women's 400m World Record at the 1970 Commonwealth Games in Edinburgh - 51.02 Marilyn Neufville, Jamaica; 1 mile - 4.26.1 1965, 3 miles - 14.30.0 1965, 2000mSC - 6.17.1 1965, 3000mSC - 9.36.0 1968; still active with Linlithgow AAC in a modest way, more on the country than the track. Much more involved as an official during the summer. Involved in coaching at club level. On SAAA General Committee, International Selection Committee, Rules & Records, Thistle Awards Committee, Ad-Hoc 1983 Centenary Committee. SAAA Public Relations Officer (1st year). This year I am Convener of the Bell's Junior International and Admin. Officer for the Scottish team for the Gateshead International in June. Regularly an announcer at Scottish meetings, or involved in the Control Room in some other active capacity. In the past I performed best as a Youth/Junior, gaining titles and vests for schools, Universities, District and Country over 1 mile, 3 miles, Steeplechase and Cross Country. Actively I have always enjoyed Cross Country, Hill and Road running best of all. I am a believer of parochial athletics.\*1.83/67;

GOODRICH, Gerald (Gerry) David; b. 18.3.31 London; Executive Manager Share Regist.; divorced, 1 s.; 1.85/80.9; Alleyn's College, Dulwich; music, hi-fi, video, library (private collection), Director Athletica (Books) International, Athletics/Olympics Enquiry Service; 1947; Edwin Moses 47.13 400mh; 10.2y, 22.4y, 7.21 LJ, 14.12 TJ, 12.42 SP, 40.43 DT - 1953/55;

HOOK, Reginald (Reg) Albert; b. 18.6.34 Brighton; Works Manager (Kensett Print Finishers); m., 2 s (16 & 13); 1.73/71; Secondary; music, theatre, art, architecture, Old Brighton, gymnastics, fencing; my father was secretary of Brighton & County Harriers and I cannot remember not being interested in athletics; Jorge Llopert walking at Withdean this year - he was amazing; asthma when young, non active.

LUNN, John; b. 16.2.42 Leeds; teacher; m., 1 s.; 5'8"/infinitely variable!; Leeds Marden(?) School, and, successively, Oxford, Manchester and Leeds universities!; former member of CAMRA, guitar, detective novels, transport history, having holidays in odd places; 1957; NO performance is 'great' - it's a SPORT, not a significant activity!; 500Om - 14.39.4 (1971), Mar - 2.23.30 (1971), Nat. X/C - 68th (1975), believed to be oldest B.U.S.F. Medallist in History (3rd 10000m, 1980, aged 38 yrs 4 mths), no longer really bothered - just run; interested mainly in Club team performances - would be willing (given lists of League clubs) to extend existing Northern 3-deep rankings - may try anyway!

- 35 -  
**NUTS RECORDS**  
(as at 1 January 1981)

<u>Men</u>							
100y	9.9	Harold Abrahams	(1)	21	Jun	24	London SB
	9.6w	Harold Abrahams	(1)	7	Jun	24	Woolwich
100m	10.6	Harold Abrahams	(1)qf	6	Jul	24	Paris C
	10.6	Harold Abrahams	(1)sf	7	Jul	24	Paris C
	10.6	Harold Abrahams	(1)	7	Jul	24	Paris C
200m	21.8	Chris Lindsay		3	Aug	59	Watford
220y	21.6	Harold Abrahams	(1)	21	Jul	23	Wembley
440y	47.7	Chris Lindsay	(2)	20	Jun	59	Motspur Park
1000m	2:24.6	Steve Mitchell	(6)	26	Jul	75	Gateshead
1500m	3:46.2	Steve Mitchell	(2)	19	Jul	75	Wolverhampton
1M	4:06.5	Steve Mitchell	(3)	16	May	76	Wolverhampton
2000m	5:18.2	Steve Mitchell	(4)	14	Sep	76	Gateshead
3000m	8:03.8i	Steve Mitchell	(5)	29	Jan	77	Cosford
5000m	14:20.4	Steve Mitchell	(1)	11	May	74	Stretford
10000m	30:05.0	Steve Mitchell	(10)	13	Apr	77	London WL
Mar	2:23:29	Heddydd Davies	(17)	23	Jul	70	Edinburgh
3000mSt	8:49.87	Steve Mitchell	(3)h	22	Jul	77	London CP
110mH	15.5	Mike Gill	(2)	8	May	77	Wimbledon
	15.3w	Mike Gill	(2)	7	May	73	Warley
200mH	25.0	Mike Gill	(1)	11	Jun	77	Exeter
400mH	53.8	Mike Gill	(1)	5	Jul	78	Aldershot
	53.8	Mike Gill	(6)	9	Jun	79	Wolverhampton
HJ	1.83	Mike Gill					
PV							
LJ	7.38	Harold Abrahams	(1)	7	Jun	24	Woolwich
TJ	15.77	John Vernon	(2)	27	Apr	68	Des Moines, Io.
SP		Tony O'Neill?					
DT	46.10	Tony O'Neill	( )			57	
HT	50.60	Tony O'Neill	(4)	15	Jun	68	Barry
JT							
<u>Pen</u>							
Dec	5431	John Glover	(4)	2/3	Jul	76	Belfast
300mW	13:08.0	Robert Care	(3)	6	Jun	71	Warley
2MW	14:20.0	Robert Care	(2)	16	Jul	66	Redditch
5000mW	22:40.0	Colin Young	(7)	14	May	69	London CP
5MW	38:10.0	Colin Young	(4)	5	Mar	60	London BP
10kmW	46:45.0	Colin Young	(5)	29	Mar	69	London BP
7MW	53:51.0	Colin Young	(5)	5	Mar	60	London BP
1hrW	12,238	Colin Young	(5)	26	Sep	59	London PH
2hrW	23,160	Colin Young	(7)	6	Jun	64	Walton-on-Thames
20MW	2:53:04	Colin Young	(3)	6	Jun	59	Alperton
3hrW	33,441	Colin Young	(3)	6	Jun	59	Alperton
30MW	4:48:07	Colin Young	(2)	29	Sep	56	Alperton
8hrW	80,550	Colin Young	(7)	29	Sep	74	London Ha
100MW	17:48:05	Colin Young	(2)	14/15	Oct	60	Walton-on-Thames
24hrW	211,123	Colin Young	(2)	14/15	Oct	60	Walton-on-Thames
20kmW	1:36:18r	Colin Young	(11)	4	Apr	70	London BP
50kmW	4:35:20r	Colin Young	(9)	15	Jun	63	Baddesley
<u>Women</u>							
100m	12.8	Liz Sissons	{ }				
200m	26.6	Liz Sissons	{ }				
400m	58.2	Liz Sissons	(1)	10	May	69	Ewell
800m	2:14.8	Liz Sissons	(6)h	6	Aug	71	London CP
1500m	4:49.1	Liz Sissons	(3)	15	Sep	71	London TB
3000m	11:16.2	Liz Sissons	{ }				
80mH	12.7	Liz Sissons	{ }				
100mH	19.6	Liz Sissons	{ }				
200mH	32.2	Liz Sissons	{ }				
400mH	71.0	Liz Sissons	{ }				

(Women-cont)

HJ	1.50	Liz Sissons	( )			
LJ	4.95	Liz Sissons				
SP	11.36	Liz Sissons	(1)p	6 May 67	London WP	
DT	30.92	Liz Sissons	(3)	2 Sep 68	Reading	
JT	32.92	Liz Sissons	(1)	27 Jul 65	Ewell	
Pen	34.72	Liz Sissons	(2)	17 Sep 66	Redhill	
1MW	8:40.0	Janette Moss	( )	17 Apr 71	Chelmsford	
2000mW	11:05.0	Janette Moss	(1)	14 Apr 71	London NH	
2500mW	14:15.4	Janette Moss	(7)	17 Jul 71	London CP	
3000mW	16:42.0	Janette Moss	( )	19 Jun 71	Basildon	

RECORDS SET BY FORMER MEMBERS

Men

100y	9.8	Adrian Metcalfe	(1)	19 Apr 61	Oxford	
	9.8	Adrian Metcalfe	(2)	27 May 61	Belfast	
	9.8	Adrian Metcalfe	(1)	17 Jun 61	Hamilton	
	9.8	Adrian Metcalfe	(1)	17 May 62	Oxford	
200m	21.2	Adrian Metcalfe	(1)	29 May 62	Stockholm	
	21.2	Adrian Metcalfe	(1)	7 Jul 62	London WC	
220y	21.3	Adrian Metcalfe	(1)	26 May 62	Blackpool	
	21.0w	Adrian Metcalfe	(2)	20 May 61	London WC	
	21.0w	Adrian Metcalfe	(1)	12 May 62	London WC	
400m	45.7	Adrian Metcalfe	(1)	2 Sep 61	Dortmund	
440y	46.4	Adrian Metcalfe	(2)	21 Jul 61	London WC	
800m	1:50.4	John Glover	(3)	27 Jul 74	Cwmbran	
880y	1:48.9	Mike Fleet	(1)	1 Sep 62	Brighton	
HJ	1.98	Patrick Mackenzie	(1)	3 Jun 61	Brighton	
	1.98	Patrick Mackenzie	(2)	24 Jun 61	Edinburgh	
	1.98	Patrick Mackenzie	(3)	15 Jul 61	London WC	
	2.00i	Patrick Mackenzie	(1)	2 Nov 63	Stanmore Park	

Women

60m	7.7	Maeve Kyle	(1)	17 Jun 58	Portadown	
100m	12.0	Maeve Kyle	(1)	12 Jul 63	Trondheim	
220y	24.5	Maeve Kyle	(1)	23 Sep 60	Dublin	
440y	54.9	Maeve Kyle	(1)h	7 Jul 62	London WC	
	54.9	Maeve Kyle	(1)	21 Jul 64	Belfast	
880y	2:11.5	Maeve Kyle	(2)	30 Oct 62	Glasgow	
80mH	11.5	Maeve Kyle	(1)	6 Jun 67	Belfast	
HJ	1.53	Maeve Kyle	( )p	24 Jul 60	London BP	
LJ	5.56	Maeve Kyle	(1)	3 Jul 66	Twickenham	
Pen	4008	Maeve Kyle	(4)	8 Aug 59	Wolverhampton	

Compiled by Andrew Huxtable

© National Union of Track Statisticians 1981.

NUTS NOTES is the quarterly bulletin of the National Union of Track Statisticians.

Editor: Tim Lynch-Staunton, Meadowbank, Rydens Avenue, Walton-on-Thames, Surrey.

Printed offset litho by Surrey Duplicating, 60 Baker Street, Weybridge, Surrey.

Price: 75p U.K.