

1977 INTERNATIONAL TEAM DECATHLON/PENTATHLON
E.C. "Billy" Hayes Track - Indiana University - Bloomington, Indiana, U.S.A.
Saturday & Sunday - August 13-14, 1977

DECATHLON

Coaches - USSR: Alexander Uchakov; Canada: Bob Vigars; USA: Ed Parker

Competitors:	<u>USSR</u>	<u>CANADA</u>	<u>USA</u>
	Konstantin Akhapkin	Tom Arnott	Jeff. Bennett
	Vladimir Anisimov	John Gamble	Bob Coffman
	Nikolay Avilov	Gordie Graham	Fred Dixon
	Vladimir Bugai	Alan Lauzier	Roger George
	Vladimir Buryakov	Al Northcott	Rex Harvey
	Alexandr Grebenyuk	Zenon Smiechowski	Mark Lineweaver
	Anatoliy Kartashov		Fred Samara
	Leonid Litvinenko		John Warkentin
			John Whitson

Records:

World: 8618a, Bruce Jenner, Montreal, 1976
Meet: 8524, Bruce Jenner, USA, 1975
USA: 8618a, Bruce Jenner, 1976
Soviet: 8454a, Nikolay Avilov, 1972 & 8478, Alex Grebenyuk, 1977
Canadian: 7809, Gerry Moro, 1972

PENTATHLON

Coaches - USSR: Gennadiy Sopronov; Canada: Bob Vigars; USA: Judy Price

Competitors:	<u>USSR</u>	<u>CANADA</u>	<u>USA</u>
	Nadezda Karyakina	Laurie Hirst	Linda Cornelius
	Zoya Spasovoskhodskaya	Liz McBlain	Denise Cornell
	Nadezda Tkachenko	Penny May	Mary Harrington
		Sue Summers	Teri Seippel
			Patsy Walker
			Kerry Zwart

Records:

World:
Meet: No Record
American: 4438, Jane Frederick, 1977
Soviet: 4689, N. Tkachenko, 1977
Canadian:

TEAM SCORES OF PREVIOUS MEETS

1974, Aug. 3-4, Tallinn, Estonia:	1. USSR	46,812*
Bruce Jenner - 8308	2. USA	46,369
	3. W. Germany	45,469
1975, Aug. 9-10, Eugene, Oregon	1. USA	48,899*
Bruce Jenner - 8524	2. USSR	46,328
	3. Poland	46,091

* - Denotes world team decathlon record (6 men)

FINAL STANDINGS AFTER TEN EVENTS

4317-1	1.	Fred Dixon (USA), 8393 (8496) ⁴⁰⁷⁶ (10.85, 24-5, 49-10 1/2, 6-8 1/4, 48.5, 14.94, 154-8, 15-1 1/4, 222-8, 41.30.2
9099-2	2.	Alexandr Grebenyuk (USSR), 8114 (8204) ⁴⁰¹⁵ (11.03, 21-11 3/4, 51-5, 6-7 1/4, 49.0, 14.72, 165-3, 15-1 1/4, 228-6, 41.57.
4000-5	3.	John Markentin (USA), 7995 (8081) ³⁸⁹⁵ (11.21, 22-10 3/4, 46-10 1/2, 6-4 3/4, 48.6, 15.01, 159-9, 14-1 1/4, 206-4, 41.25.7
3924-6	4.	Nikolay Avilov (USSR), 7880 (7936) ³⁸⁹⁶ (11.51, 22-11 1/4, 47-9 3/4, 6-4 1/2, 50.1, 14.86, 154-6, 14-1 1/4, 213-5, 41.43.0
4017-3	5.	Fred Samara (USA), 7763 (7845) ³⁸⁴⁵ (10.92, 24-5, 44-4 3/4, 6-2 1/2, 49.6, 15.16, 138-8, 14-9 1/4, 194-8, 41.43.9
	6.	Vladimir Anisimov (USSR), 7634 (7667)
	7.	Konstantin Akhupkin (USSR), 7627 (7702)
	8.	Roger George (USA), 7619 (7646) (11.40, 23-2 1/4, 42-0, 6-4 3/4, 49.6, 15.28, 140-9, 14-5 1/4, 175-11, 41.23.4
4002-4	9.	Bob Coffman (USA), 7568 (7660) (10.98, 23-10 3/4, 46-7, 6-1 1/4, 49.2, 14.59, 144-5, 14-1 1/4, 156-9, 41.57.3
	10.	Vladimir Buryakov (USSR), 7557 (7636)
	11.	Vladimir Bugai (USSR), 7423 (7514)
	12.	Jeff Bennett (USA), 7386 (7455) (11.29, 22-3 3/4, 37-8 3/4, 6-1 1/4, 48.5, 16.37, 116-9, 15-5, 185-6, 41.16.1
	13.	Anatoliy Kartashov (USSR), 7385 (7502)
	14.	Rex Harvey (USA), 7277 (7339) (11.18, 21-1 1/2, 43-10, 6-0, 49.7, 16.36, 132-10, 15-5, 169-0, 41.35.0
	15.	Al Northcott (CAN), 6941 (6996)
	16.	Mark Lineweaver (USA-NS), 6856 (11.26, 21-2 3/4, 40-10 1/4, 5-7 1/4, 49.9, 16.35, 130-6, 12-5 3/4, 189-2, 41.46.5
	17.	Gordie Graham (CAN), 6749 (6799)
	18.	Alan Lauzier (CAN), 6366 (6423)
	19.	Zenon Smiechowski (CAN), 6069 (6141)
	20.	John Gamble (CAN), 5666 (5832)
	21.	Tom Arnott (CAN), 5388 (5409)

Whitson - dnf (11.57, 22-3, 43-9 1/2, nh, 51.8, 15.89, 140-10, 14-1 1/4, nm, -529.5

Litvinenko - " (11.71, -641

US

8393

7995

7763

7619

7568

7386

46,724

SU

8114

7880

7634

7627

7557

7423

46,235

CAN

37,179

DECATHLON - 100 METERS

Records

World: 10.2w, Martin Lauer, W. Germ., 1959; Russ Hodge, US Strid, 1970
 Meet: 10.3, Fred Samara, USA, 1975; Fred Dixon, USA, 1975
 American: 10.2, Russ Hodge, 1970
 Soviet: 10.4, P. Baroskov, 1966
 Canadian: 10.8, Harold Gretzinger, 1975; Steve Kemp, 1975 ;
 Richard LaCombe, 1977

(parentheses indicate hand-timed)

1ST HEAT	(parenthe	Time	Pts.	Wind
1. Fred Dixon (USA)		10.85 (10.8)	841 (853)	.4 mps
2. Fred Samara (USA)		10.92 (10.7)	824 (879)	
3. Bob Coffman (USA)		10.98 (10.8)	809 (853)	
4. Anatoli Kartashov (USSR)		11.38 (11.2)	715 (756)	
5. Vladimir Buryakov (USSR)		11.43 (11.2)	703 (756)	
6. Zenon Smiechowski (Can)		11.78 (11.6)	626 (665)	
7. Al Northcott (Can)		11.81 (11.6)	620 (665)	
8. Alan Lauzier (Can)		11.83 (11.7)	616 (643)	
XXXXXXXXXXXX				
2ND HEAT				
1. Alexander Grebenyuk (USSR)		11.03 (10.9)	797 (828)	2.6 mps
2. Rex Harvey (USA)		11.18 (11.1)	761 (780)	
3. Vladmir Anisimov (USSR)		11.21 (11.1)	754 (780)	
4. Roger George (USA)		11.40 (11.4)	710 (710)	
5. John Whitson (USA)		11.57 (11.4)	672 (710)	
6. Vladimir Bugai (USSR)		11.57 (11.4)	672 (710)	
7. Gordie Graham (Can)		11.57 (11.4)	672 (710)	
8. John Cample (Can)		12.4 (11.8)	501 (622)	
3RD HEAT				
1. John Warkentin (USA)		11.21 (11.1)	734 (780)	.2 mps
2. Mark Lineweaver (USA)		11.26 (11.1)	742 (780)	
3. Jeff Bennett (USA)		11.29 (11.1)	735 (780)	
4. Konstantin Akhapkin (USSR)		11.31 (11.1)	731 (780)	
5. Nikolay Avilov (USSR)		11.51 (11.3)	685 (733)	
6. Leonid Litvenyenko (USSR)		11.71 (11.5)	641 (687)	
7. Tom Arnott (Can)		12.08 (11.9)	564 (601)	

OVERALL RESULTS AND STANDINGS AFTER ONE EVENT

1. Fred Dixon (USA)	10.85 (10.8)	841 (853)
2. Fred Samara (USA)	10.92 (10.7)	824 (879)
3. Bob Coffman (USA)	10.98 (10.8)	809 (853)
4. Alexander Grebenyuk (USSR)	11.03 (10.9)	797 (828)
5. Rex Harvey (USA)	11.18 (11.1)	761 (780)
6. Vladimir Anisimov (USSR)	11.21 (11.1)	754 (780)
7. John Warentin (USA)	11.21 (11.1)	734 (780)
8. Mark Lineweaver (USA)	11.26 (11.1)	742 (780)
9. Jeff Bennett (USA)	11.29 (11.1)	735 (780)
10. Konstantin Akhapkin (USSR)	11.31 (11.1)	731 (780)
11. Anatoli Kartashov (USSR)	11.38 (11.2)	715 (756)
12. Roger George (USA)	11.40 (11.4)	710 (710)
13. Vladimir Buryakov (USSR)	11.43 (11.2)	703 (756)
14. Nickolay Avilov (USSR)	11.51 (11.3)	685 (733)
15. John Whitson (USA)	11.57 (11.4)	672 (710)*
16. Vladimir Bugai (USSR)	11.57 (11.4)	672 (710)*
17. Gordie Graham (Can)	11.57 (11.4)	672 (710)*

OVERALL RESULTS AND STANDINGS AFTER ONE EVENT (Cont)

Page 2

XX	18. Leonid Litvenyenko (USSR)	11.71 (11.5)	641 (687)
	19. Zenon Smiechowski (Can)	11.78 (11.6)	626 (665)
	20. Al Northcott (Can)	11.81 (11.6)	620 (665)
	21. Alan Lauzier (Can)	11.83 (11.7)	616 (643)
	22. Tom Arnott (Can)	12.08 (11.9)	564 (601)
	23. John Camble (Can)	12.4 (11.8)	501 (622)

DECATHLON - LONG JUMP

Records

World: 26-3 (8.00), Mike Herman, NY Pioneer Club, 1960
 Meet: 24-7 1/4, (7.50), Bill Hancock, USA, 1975
 American: 26-3, (8.00), Mike Herman, 1960
 USSR: 25-2 1/2, (7.68), Nickolay Avilov, 1972
 Canadian: 23-9 3/4, (7.26), Richard LaKombe, 1977

FLIGHT 1	1st	2nd	3rd
Vladimir Buryakov (USSR)	6.83	6.84	6.96 (22.10)
Al Northcott (Can)	6.13	6.23 (20.5 1/4)	5.90
Fred Samara (USA)	7.20	7.44 (24.5)	foul
Anatoli Kartashov (USSR)	7.07	7.16	7.17 (23.6 1/4)
Zenon Smiechowski (Can)	6.29	6.31	6.69 (21.11 1/2)
Fred Dixon (USA)	7.29	7.10	7.44 (24.5)
Vladimir Bugai (USSR)	6.48	6.65 (21.9 3/4)	6.34
John Gambel (Can)	6.03	5.98	6.08 (19.11 1/2)
Bob Coffman (USA)	7.28 (23.10 3/4)	7.21	7.19
Vladimir Anisimov (USSR)	7.19	7.38	7.40 (24.3 1/4)
Alan Lauzier (Can)	6.28 (20.7 1/4)	foul	6.12
John Whitson (USA)	6.54	6.70	6.78 (22.3)
FLIGHT 2			
Konstatin Akhapkin (USSR)	6.88	6.58	6.90 (22.7 3/4)
Gordie Graham (Can)	6.69	foul	6.86 (22.6)
Roger George (USA)	6.85	6.89	7.07 (23.2 1/4)
Lennid Litvinyenko (USSR)			
Tom Armott (Can)	5.72	5.76	5.96 (19.6 3/4)
John Warkentin (USA)	6.98	6.98 (22.10 3/4)	foul
Alexander Grebenyuk (USSR)	6.70	6.57	6.70 (21.11 3/4)
Mark Lineweaver (USA)	NS		
Nickolay Avilov (USSR)	6.94	6.99 (22.11 1/4)	6.95
Rex Harvey (USA)	6.22	6.08	6.44 (21.1 1/2)
Jeff Bennett (USA)	6.16	6.34	6.80 (22.3 3/4)

LONG JUMP STANDINGS

1. Fred Dixon (USA) 24-5 (909)
tied with Fred Samara (USA)
3. Vladimir Anisimov (USSR), 24-3 1/4 (901)
4. Bob Coffman (USA), 23-10 3/4 (877)
5. Anatoli Kartashov (USSR), 23-6 1/4 (855)
6. Roger George (USA), 23-2 1/4 (834)
7. Nickolay Avilov (USSR), 22-11 1/4 (818)
8. John Warkentin (USA), 22-10 3/4 (816)
9. Vladimir Buryakov (USSR), 22-10 (812)
10. Akhapkin Konstatin (USSR), 22-7 3/4 (800)
11. Gordie Graham (Can) 22-6 (791)
12. Jeff Bennett (USA), 22-3 3/4 (778)
13. John Whitson (USA), 22-3 (774)
15. Alexander Grebenyuk (USSR), 21.11 3/4 (757)
16. Zenon Smiechowski (Can), 21.11 1/2 (755)
17. Vladimir Bugai (USSR), 21.9 3/4 (746)
18. (con't)

LONG JUMP STANDINGS - (con't)

18. Rex Harvey (USA), 21.1 1/2 (701)
19. Alan Lauzier (Can), 20.7 1/4 (666)
20. Al Northcott (Can), 20.5 1/4 (655)
21. John Gambel (Can), 19.11 1/2 (622)
22. Tom Arnott (Can), 19.6 3/4 (595)

STANDINGS AFTER TWO EVENTS

1. Fred Dixon (USA) - 1750
2. Fred Samara (USA) - 1733
3. Bob Coffman (USA) - 1686
4. Vladimir Anisimov (USSR) - 1655
5. Anatoli Kartashov (USSR) - 1570
tied with John Warkentin (USA)
7. Alexander Grebenyuk (USSR) - 1554
8. Roger George (USA) - 1544
9. Konstatin Akhapiin (USSR) - 1531
10. Vladimir Buryakov (USSR) - 1515
11. Jeff Bennett (USA) - 1513
12. Nickolay Avilov (USSR) - 1503
13. Gordie Graham (Can) - 1463
14. Rex Harvey (USA) - 1462
15. John Whitson (USA) - 1446
16. Vladimir Bugai (USSR) - 1418
17. Zenon Smiechowski (Can) - 1381
18. Alan Lauzier (Can) - 1282
19. Al Northcott (Can) - 1279
20. Tom Arnott (Can) - 1159
21. John Gambel (Can) - 1123
22. Non-scorer Mark Lineweaver (USA) - 1450

DECAHLION - SHOT PUT

Records

World: 62-10 3/4 (19.17), Eddy Hubacher, Switzerland, 1969
 Meet: 54-7 1/4 (16.64), Rudolf Zigert, USSR, 1975
 American: 60-1 1/2 (18.32+), Brian Oldfield, 1971
 Soviet: 56-11 1/2 (17.36), Rudolf Zigert, 1973
 Canadian: 48-2 (14.68), Gerry Moro

FLIGHT 1

	1st	2nd	3rd
Vladimir Burykov (USSR)	13.20 (43-3 3/4)	12.99	13.02
Al Northcott (Can)	11.45	11.71 (38-5)	11.30
Fred Samara (USA)	12.94	12.97	13.53 (44-4 3/4)
Anatoli Kartashov (USSR)	foul	13.23 (43-5)	12.50
Zenon Smiechowski (Can)	13.61	13.96 (45-5 3/4)	foul
Fred Dixon (USA)	14.84	14.67	15.20 (49-10 1/2)
Vladimir Bugai (USSR)	13.83	13.32	13.92 (45-8)
John Gabel (Can)	12.68 (41-7 1/4)	12.64	12.55
Bob Coffman (USA)	14.20 (46-7)	13.55	14.13
Vladimir Anisimov (USSR)	13.91 (45-7 3/4)	foul	foul
Alan Lauzier (Can)	11.09 (36-4 3/4)	10.59	10.92
John Whitson (USA)	13.02	13.35 (43-9 1/2)	foul

FLIGHT 2

Konstatin Akhankin (USSR)	13.07	13.39	13.71 (44-11 3/4)
Gordie Graham (Can)	10.66	10.89 (39-0 3/4)	10.73
Roger George (USA)	11.80	12.39	12.80 (42)
Tom Arnott (Can)	10.37	10.90	11.13 (36-6 1/4)
John Warkentin (USA)	14.29 (46-10 1/2)	13.70	pass
Alexander Grebenyuk (USSR)	14.21	15.02	15.67 (51-5)
Mark Lineweaver (USA, NS)	11.91	12.29	12.45 (40-10 1/4)
Nickolay Avilov (USSR)	14.57 (47-9 3/4)	pass	pass
Rex Harvey (USA)	13.22	12.99	13.36 (43-10)
Jeff Bennett (USA)	11.50 (37-8 3/4)	11.46	11.25

SHOT PUT STANDINGS

1. Alexander Grebenyuk (USSR), 51-5, (328)
2. Fred Dixon (USA), 49-10 1/2 (801)
3. Nickolay Avilov (USSR), 47-9 3/4 (745)
4. John Warkentin (USA), 46-10 1/2 (746)
5. Bob Coffman (USA), 46-7 (740)
6. Vladimir Bugai (USSR), 45-8 (743)
7. Vladimir Anisimov (USSR), 45-7 3/4 (722)
8. Zenon Smiechowski (Can) 45-5 3/4 (719)
9. Konstatin Akhankin (USSR), 44-11 3/4 (710)
10. Fred Samara (USA), 44-4 3/4 (698)
1. Rex Harvey (USA), 43-10 (688)
2. John Whitson (USA), 43-9 1/2 (687)
3. Anatoli Kartashov (USSR), 43-5 (680)
4. Vladimir Burykov (USSR), 43-3 3/4 (678)
5. Roger George (USA), 42 (652)
6. John Gabel (Can), 41-7 1/4 (644)
7. Mark Lineweaver (USA), NS (629), 40-10 1/4
8. Al Northcott (Can), 38-5 (280)
9. Jeff Bennett (USA), 37-8 3/4 (566)
10. Tom Arnott (Can), 36-6 1/4 (541)
1. Alan Lauzier (Can), 36-4 3/4 (538)
2. Gordie Graham (Can), 35-8 3/4 (524)

STANDINGS AFTER THREE EVENTS

1. Fred Dixon (USA), 2551
2. Fred Samara (USA), 2431
3. Bob Goffman (USA), 2426
4. Alexander Grebenyuk (USSR), 2382
5. Vladimir Anisimov (USSR), 2377
6. John Warkentin (USA), 2316
7. Nikolay Avilov (USSR), 2266
8. Anatoli Kartashov (USSR), 2260
9. Konstantin Akhaphin (USSR), 2241
10. Roger George (USA), 2196
11. Vladimir Buryakov (USSR), 2193
12. Rex Harvey (USA), 2150
13. Vladimir Bugai (USSR), 2141
14. John Whitson (USA), 2133
15. Zsolt Smieshowski (Can), 2100
16. Jeff Bennett (USA), 2079
17. Gordie Graham (Can), 1987
18. Al Northcott (Can), 1883
19. Alan Laurier (Can), 1820
20. John Gabel (Can), 1767
21. Tom Arnott (Can), 1700

ENCLOSURE - HIGH JUMP

Records

World: 7-3 (2.21), Gerd Kleinow, R. Ger., 1971
 Meet: 6-10 3/4 (2.10), Nikolay Avilov, USSR, 1976
 American: 7-1 1/2 (2.17), Dennis Adams, 1971; Paul Hancock, 1976
 Soviet: 7-1 1/4 (2.14), Nikolay Avilov, 1976
 Canadian: 6-6 3/4 (2.00), Zenon Smolchowski, 1977

	1.71	1.74	1.77	1.80	1.83	1.86	1.89	1.92	1.95	1.98	2.01	2.04
F. Dixon (USA)	pass	pass	pass	pass	pass	pass	pass	X	pass	X	pass	X
Z. Smolchowski (Can)	pass	pass	pass	pass	X	pass	X	pass	X	X	OOO	
A. Kartashov (USSR)	pass	X	pass	X	pass	X	pass	X	X	OOO		
F. Samara (USA)	pass	pass	X	pass	X	X	OX	OOO				
J. Gabel (Can)	X	X	OX	OOX	OOO							
L. Litvinyenko (USSR)												
R. George (USA)	pass	pass	pass	X	X	X	X	OX	OOX	OOO		
T. Arnott (Can)	OX	X	OOX	OOX	OOO							
K. Akhupkin (USSR)	pass	pass	pass	X	pass	X	pass	X	pass	OO	OX	OOX
J. Warkentin (USA)	pass	pass	pass	X	pass	X	pass	OX	OOX	OOO		
G. Graham (Can)	pass	pass	pass	X	X	pass	OX	OOO				
V. Bugai (USSR)	pass	pass	pass	X	pass	X	pass	X	X	OOX	X	OOX
R. Harvey (USA)	1.55	1.60	1.67	1.74	1.77	1.80	1.83	1.86	1.89	1.92	1.95	1.98
A. Lauzier (Can)	X	pass	X	pass	OX	OX	OOX	OOO				
N. Avilov (USSR)	pass	pass	pass	pass	pass	pass	pass	pass	pass	X	X	X
J. Bennett (USA)	X	X	X	X	X	X	OX	OX	OOO			
A. Northcott (Can)	X	X	OOX	X	OX	X	OX	OOO				
V. Anisimov (USSR)	pass	pass	pass	X	X	X	OX	X	X	OOO		
J. Whitson (USA)	pass	pass	pass	pass	OOO							
A. Grebenyuk (USSR)	pass	pass	pass	pass	pass	pass	pass	X	pass	X	X	X
B. Coffman (USA)	pass	pass	pass	pass	OX	pass	X	OX	OOO			
V. Biryakov (USSR)	pass	pass	pass	pass	X	pass	X	X	X	X	OOX	X
H. Lineweaver (USA) NS	OX	X	X	OOO								

Continuation of High Jumps

	2.01	2.04	2.07	2.10
N. Avilov (USSR)	X	X	X	OOO
A. Grebenyuk	X	OOO		
V. Biryakov	Opass			

HIGH JUMP STANDINGS

1. Nikolay Avilov (USSR), 2.07 (6'9 1/2"), 917
2. Fred Dixon (USA), 2.04 (6'8 1/4"), 891
3. Konstantin Akhupkin (USSR), 2.04 (6'8 1/4"), 891
4. Vladimir Bugai (USSR), 2.04 (6'8 1/4"), 891
5. Alexander Grebenyuk (USSR), 2.01 (6'7 1/4"), 863
6. Vladimir Biryakov (USSR), 1.98 (6'6"), 840
7. Zenon Smolchowski (Can), 1.98 (6'6"), 840
8. Anatoli Kartashov (USSR), 1.95 (6'5 3/4"), 811
9. John Warkentin (USA), 1.95 (6'5 3/4"), 811
10. Roger George (USA), 1.95 (6'5 3/4"), 811
11. Vladimir Anisimov (USSR), 1.92 (6'2 1/2"), 780
12. Fred Samara (USA), 1.89 (6'2 1/2"), 760
13. Gerd Kleinow (Can), 1.89 (6'2 1/2"), 760
14. Jeff Bennett (USA), 1.86 (6'1 1/4"), 738
15. Rex Harvey (USA), 1.83 (6'0 1/2"), 707
16. Alan Lauzier (USSR), 1.83 (6'0 1/2"), 707
17. Al Northcott (Can), 1.83 (6'0 1/2"), 707
18. John Gabel (Can), 1.80 (5'10"), 680

1.89

1.89

HIGH JUMP STANDINGS - (con'd)

Page 2

19. Tom Arnott (Can), 1.81 (5'11"), 680
20. Mark Lineweaver (USA), 1.71 (5'7 1/4"), 597
21. John Whitson (USA), no height

STANDINGS AFTER FOUR EVENTS

1. Fred Dixon (USA) - 3442
2. Alexander Grebenyuk (USSR) - 3247
3. Fred Samara (USA) - 3191
4. Anatoli Kartashov (USSR) - 3183
5. Bob Coffman (USA) - 3160
6. Vladimir Anisimov (USSR) - 3137
7. Konstantin Akhpaikin (USSR) - 3132
8. John Markentin (USA) - 3129
9. Nikolay Avilev (USSR) - 3063
10. Vladimir Buryakov (USSR) - 3073
11. Vladimir Bugai (USSR) - 3032
12. Roger George (USA) - 3009
13. Zenon Smiechowski (Can) - 2940
14. Rex Harvey (USA) - 2857
15. Jeff Bennett (USA) - 2813
16. Gordie Graham (Can) - 2747
17. Al Northcott (Can) - 2562
18. Alan Lauzier (Can) - 2527
19. John Gambel (Can) - 2427
20. Tom Arnott (Can) - 2380
21. John Whitson (USA) - 2133
22. Mark Lineweaver - non scorer - 2676

RECORDS - 400 METERS

Records

World: 45.8, Bill Toomey, USA, 1968
 Best: 48.9, Fred Dixon, USA, 1978
 American: 45.8, Bill Toomey, 1968
 Soviet: 49.0, V. Ormanov, 1979
 Canadian: 49.1, Brian Peterson, 1978

1ST HEAT

1. Fred Samara (USA), 49.59	874
2. Gordy Graham (CAN), 49.84	874
3. Mark Lineweaver (USA), 49.86	810
4. Al Northcott (CAN), 51.55	736
5. John Gamble (CAN), 51.79	719
6. John Whitson (USA), 51.81	718
7. Al Lauzier (CAN), 52.14	716
8. Tom Arnott (CAN), 57.04	679

2ND HEAT

1. Jeff Bennett (USA), 48.46	873
2. John Warkentin (USA), 48.63	871
3. Roger George (USA), 49.62	824
4. Rex Harvey (USA), 49.71	819
5. Vladimir Buryakov (USSR), 50.39	788
6. Vladimir Anisimov (USSR), 50.67	775
7. Anatoli Kartishov (USSR), 52.09	691
8. Zenon Smolchowski (CAN), 52.79	687

3RD HEAT

1. Fred Dixon (USA), 48.54	875
2. Alexander Grebanyuk (USSR), 48.96	853
3. Bob Coffman (USA), 49.20	842
4. Nikolay Avilov (USSR), 50.07	801
5. Konstantin Akhachin (USSR), 50.62	779
6. Vladimir Bugai (USSR), 50.75	775

OVERALL RESULTS - 400 meters

1. tie between Jeff Bennett (USA) and Fred Dixon (USA), 875
3. John Warkentin (USA), 871
4. Alexander Grebanyuk (USSR), 853
5. Bob Coffman (USA), 842
6. tie between Fred Samara (USA) and Roger George (USA), 824
8. Rex Harvey (USA), 819
9. Gordy Graham (CAN), 814
10. Mark Lineweaver (USA), 810
11. Nikolay Avilov (USSR), 801
12. Vladimir Buryakov (USSR), 788
13. Konstantin Akhachin (USSR), 779
14. tie between Vladimir Bugai (USSR) and Vladimir Anisimov (USSR), 775
16. Al Northcott (CAN), 736
17. tie between John Gamble (CAN) and John Whitson (USA), 719
19. Al Lauzier (CAN), 716
20. Anatoli Kartishov (USSR), 691
21. Zenon Smolchowski (CAN), 687
22. Tom Arnott (CAN), 679

SPACELABS IN THE AIR OF FIVE AVENUES - THREE NEW POLARIS

Fred Barron (USA), 4017
Aleksandr Gradenyuk (USSR), 4089
Fred Samara (USA), 4017
Don Coffman (USA), 4002
John Markentia (USA), 4000
Mikolay Avilov (USSR), 3984
Vladimir Prishin (USSR), 3911
Konstantin Akapkin (USSR), 3811
Roger George (USA), 3833
Vladimir Dzyakov (USSR), 3621
Vladimir Bugai (USSR), 3602
Anatoli Kartishov (USSR), 3751
Jeff Bennett (USA), 3628
Sax Harvey (USA), 3676
Zenon Szlachowski (CAN), 3627
Gordy Gram (CAN), 3561
Al Northcott (CAN), 3228
Al Gauzier (CAN), 3243
John Gamble (CAN), 3175
Tom Arnott (CAN), 3059
John Whitson (USA), 2861

400 METER HAND TIMES

1ST HEAT

	Time	Pts.
1. Fred Samara (USA)	49.4	833
2. Mark Lineweaver (USA)	49.6	824
3. Gordy Grann (CAN)	49.8	814
4. John Gamble (CAN)	50.7	775
5. Al Northcott (CAN)	51.4	764
6. John Whitsch (USA)	51.7	732
7. Al Lauzier (CAN)	51.9	724
8. Tom Arnott (CAN)	52.8	687

2ND HEAT

1. Jeff Bennett (USA)	49.4	880
2. John Warkentin (USA)	49.5	875
3. tie between Rex Harvey (USA) and Roger George (USA)	49.4	833
5. Vladimir Buyakov (USSR)	50.1	801
6. Vladimir Anisimov (USSR)	50.7	775
7. Anatoli Kartashov (USSR)	50.8	770
8. Zenon Smiechowski (CAN)	52.7	691

3RD HEAT

1. Fred Dixon (USA)	48.4	880
2. Alexandr Grebenyuk (USSR)	48.8	861
3. Bob Coffman (USA)	48.9	856
4. Nikolay Avilov (USSR)	49.9	810
5. Vladimir Bugai (USSR)	50.3	784
6. Akhaphin Konstantin (USSR)	50.6	779

FIRST DAY OVERALL STANDINGS AND TIMES

Fred Limon (USA), 4334
Alexandr Grebenyuk (USSR), 4139
Fred Samara (USA), 4080
Bob Coffman (USA), 4060
John Werkentin (USA), 4054
Nikolay Avilov (USSR), 4041
Konstantin Akhupkin (USSR), 3960
Vladimir Anisimov (USSR), 3938
Vladimir Baryukov (USSR), 3887
Anatoli Kartashov (USSR), 3874
Vladimir Bugai (USSR), 3854
Roger George (USA), 3842
Jeff Bennett (USA), 3738
Rex Harvey (USA), 3709
Renon Smiechowski (CAN), 3670
Gordy Grahm (CAN), 3599
Al Northcott (CAN), 3351
John Gamble (CAN), 3343
Al Lauzier (CAN), 3277
Tom Arnott (CAN), 3067
John Whitson (USA), 2903

Records

World: 13. Guy Laroche, France, 1973
 Record: 13. Ryszard Kuska, Poland, 1973
 American: 13. Paul Gibson, 1973; Chris Abbott, 1973
 Soviet: 14. Boris Luvov, 1973; Nikolay Ioni, 1973
 Canadian: 14. Harold Greening, 1973

(Parentheses indicate age in years)

1ST HEAT	TIME	POINTS	WIND
1. Bob Coffman (USA)	14.50 (14.5)	893 (893)	-2.4
2. Fred Dixon (USA)	14.94 (14.9)	885 (885)	
3. Fred Samur (USA)	15.16 (15.0)	882 (843)	
4. Al Northcott (CAN)	15.64 (15.6)	877 (787)	
5. Vladimir Buryakov (USSR)	15.84 (15.7)	864 (777)	
6. Anatoly Kartashov (USSR)	15.90 (15.8)	858 (767)	
7. Alan Laurie (CAN)	16.12 (15.9)	855 (757)	
8. Zdzislaw Sleschowski (CAN)	16.70 (16.6)	847 (712)	

2ND HEAT

1. Alexander Lebedev (USSR)	15.72 (15.6)	878 (801)	-2.4
2. Roger George (USA)	15.88 (15.8)	869 (837)	
3. Vladimir Arisimov (USSR)	15.94 (15.8)	867 (837)	
4. Gordie Graham (CAN)	15.42 (15.3)	868 (817)	
5. Vladimir Bugai (USSR)	15.80 (15.7)	857 (797)	
6. John Whelan (USA)	15.80 (15.8)	851 (767)	
7. Rex Harvey (USA)	15.94 (15.9)	848 (730)	
8. John Gamble (CAN)	16.34 (16.3)	837 (675)	

3RD HEAT

1. Nikolay Ailov (USSR)	15.86 (15.8)	864 (881)	-2.4
2. John Markstein (USA)	15.91 (15.9)	857 (859)	
3. Konstantin Akhupkin (USSR)	15.15 (15.0)	843 (854)	
4. Mark Lineweaver (USA-NS)	16.30 (16.2)	812 (730)	
5. Jeff Bennett (USA)	16.37 (16.3)	811 (730)	
6. Tom Arnott (CAN)	17.02 (16.9)	803 (668)	

OVERALL RESULT - 120 ft. H.H.

1. Bob Coffman (USA) - 893	Vladimir Buryakov (USSR) - 784
2. Alexander Lebedev (USSR) - 879	John Whelan (USA) - 759
3. Nikolay Ailov (USSR) - 864	2nd place Vladimir Bugai (USSR)
4. Fred Dixon (USA) - 855	Anatoly Kartashov (USSR) - 753
5. John Markstein (USA) - 847	Alan Laurie (CAN) - 735
6. Konstantin Akhupkin (USSR) - 833	Mark Lineweaver (USA-NS) - 717
7. Fred Samur (USA) - 832	Rex Harvey (USA) - 716
8. Roger George (USA) - 819	Jeff Bennett (USA) - 715
9. Vladimir Arisimov (USSR) - 811	Zdzislaw Sleschowski (CAN) - 685
10. Gordie Graham (CAN) - 805	Tom Arnott (CAN) - 635
11. Al Northcott (CAN) - 787	John Gamble (CAN) - 637

STAFFING LIST - ST. LOUIS

1. Fred Hahn (USA) - 4172 (4215)
2. Alexander Gochenyuk (USSR) - 4173 (4216)
3. Bob Hoffman (USA) - 4225 (4228)
4. Nikolay Arilev (USSR) - 4240 (4243)
5. Fred Samara (USA) - 4247 (4250)
6. Fred with John Warlandin (USA) - 4247 (4250)
7. Konstantin Akhupkin (USSR) - 4248 (4251)
8. Vladimir Anisimov (USSR) - 4253 (4256)
9. Roger George (USA) - 4252 (4255)
10. Vladimir Burdakov (USSR) - 4255 (4258)
11. Vladimir Bug 1 (USSR) - 4251 (4254)
12. Anatoly Kartalov (USSR) - 4251 (4254)
13. Jeff Bennett (USA) - 4223 (4226)
14. Rex Harvey (USA) - 4212 (4215)
15. Gordie Green (USA) - 4221 (4224)
16. Zeno Sulechinski (USSR) - 4212 (4215)
17. Al Wortheat (CAN) - 4211 (4214)
18. Alan Lauzier (CAN) - 4211 (4214)
19. John Garble (CAN) - 4211 (4214)
20. Tom Annot (CAN) - 4211 (4214)
21. John Whitson (USA) - 3626 (3629)
22. Mark Lineweaver (USA) - 4211 (4214)

DECEMBER - DISCUS THROW

Records

World: 174-8 (53.24), Wolfgang Klein, FRG., 1977
 Meet: 164-6 (50.14), Alexander Blinnyayev, USSR, 1977
 American: 170-6 (51.99), Rafer Johnson, 1968
 Soviet: 169-11 (51.91), V. Kuznetsov, 1969
 Canadian: 161-2 (49.12), Gerry Moro

1ST FLIGHT

	1st	2nd	3rd
Vladimir Bugai, USSR	47.36	47.08	42.18
Vladimir Anisimov, USSR	46.94	46.0	37.64
Bob Coffman, USA	Foul	44.02	Foul
John Warkentin, USA	43.30	47.35	43.70
Fred Dixon, USA	Foul	47.14	43.32
Vladimir Buryakov, USSR	42.78	43.14	Foul
Fred Samara, USA	42.28	47.22	Foul
Tom Arnott, CAN	37.91	Foul	30.18
Gordie Graham, CAN	37.27	32.64	Foul
Mark Lineweaver, USA (HS)	37.12	35.45	39.78
Anatoliy Karteshov, USSR	42.30	42.70	42.72

2ND FLIGHT

	1st	2nd	3rd
Alan Lauzier, CAN	41.36	42.74	30.52
Alexandr Grebonyuk, USSR	48.76	48.34	50.30
Roger George, USA	47.88	42.52	42.50
John Whitson, USA	46.86	47.91	42.50
Al Northcott, CAN	43.54	47.78	40.60
John Gamble, CAN	Foul	32.52	35.20
Nikolay Avilov, USSR	45.72	47.26	43.62
Jeff Bennett, USA	34.96	35.34	35.18
Rex Harvey, USA	40.43	39.18	40.10
Konstantin Anhapkin, USSR	Foul	42.60	45.41
Zenon Smeichowski, CAN	45.76	43.60	43.66

OVERALL RESULTS - DISCUS THROW

	POINTS
1. Alexander Grebonyuk (USSR), 135-5 (50.79)	859
2. John Warkentin (USA), 159-9 (43.70)	848
3. Fred Dixon (USA), 154-8 (47.14)	820
tied with Nikolay Avilov (USSR), 154-6 (47.10)	820
5. Konstantin Anhapkin (USSR), 149-9 (45.43)	788
6. Bob Coffman (USA), 144-5 (44.02)	763
7. Zenon Smeichowski (CAN), 143-3 (43.66)	764
tied with Al Northcott (CAN), 142-10 (43.54)	754
9. Vladimir Buryakov (USSR), 141-6 (43.14)	746
10. John Whitson (USA), 140-10 (42.92)	741
tied with Roger George (USA), 140-9 (42.52)	741
12. Anatoliy Karteshov (USSR), 140-3 (42.72)	736
13. Vladimir Bugai (USSR), 139-9 (42.36)	732
14. Fred Samara (USA), 133-4 (42.28)	729
15. Rex Harvey (USA), 133-10 (41.43)	695
16. Vladimir Anisimov (USSR), 129-8 (39.84)	682
17. Mark Lineweaver (USA-NE), 130-6 (39.70)	681
18. John Gamble (CAN), 117-5 (35.20)	523
19. Jeff Bennett (USA), 116-9 (35.34)	514
20. Gordie Graham (CAN), 110-6 (33.64)	554
21. Alan Lauzier (CAN), 107-5 (32.74)	534
22. Tom Arnott (CAN), 108-6 (31.56)	507

GENERAL STANDINGS AFTER SEVEN EVENTS

Page 2

1. Fred Dixon (USA), 5982 (5935)
2. Alexandr Grebenyuk (USSR), 5857 (5910)
3. John Markentin (USA), 5695 (5761)
4. Nikolay Avilov (USSR), 5668 (5742)
5. Bob Coffman (USA), 5618 (5743)
6. Fred Sasara (USA), 5576 (5657)
7. Konstantin Akhaphin (USSR), 5532 (5585)
8. Vladimir Anisimov (USSR), 5495 (5437)
9. Roger George (USA), 5335 (5420)
10. Vladimir Buryakov (USSR), 5331 (5400)
11. Vladimir Bugai (USSR), 5142 (5332)
12. Anatoliy Kartashov (USSR), 5142 (5367)
13. Rex Harvey (USA), 5087 (5147)
14. Zenon Smiechowski (CAN), 5057 (5134)
15. Jeff Bennett (USA), 4979 (5064)
16. Gordie Graham (CAN), 4970 (4974)
17. Al Northcott (CAN), 4859 (4802)
18. Alan Lauzier (CAN), 4812 (4858)
19. John Whitsen (USA), 4811 (4811)
20. John Gamble (CAN), 4817 (4817)
21. Tom Amott (CAN), 4772 (4743)
22. Mark Lineweaver (USA-48), 4733 (4918)

1. Gamble (CAN)	4.30 (14'5 1/2")	981
2. Rex Harvey (USA)	X pass X	980
3. Akhaphin	pass X	979
4. Smiechowski (CAN)		
5. Bennett (USA)	X pass pass X	978
6. Avilov (USSR)	X 213	
7. Lauzier (CAN)		
8. Whitson (USA)		
9. Grebenyuk (USSR)		
10. Northcott (CAN)		
11. George (USA)	X 213	

POLE VAULT STANDINGS

- tie between Jeff Bennett (USA) and Rex Harvey (USA), 4.30 (14'5 1/2"), 981
- tie between Alexander Grebenyuk (USSR) and Fred Dixon (USA), 4.49 (15'1 1/4"), 987
- tie between Fred Samara (USA) and Vladimir Anisimov (USSR), 4.71 (15'5 1/4"), 1011
- tie between Vladimir Bugar (USSR) and Konstantin Akhaphin (USSR) and Roger George (USA), 4.45 (14'5 1/2"), 989
- tie between John Warkentin (USA) and Bob Coffman (USA) and Nikolay Avilov (USA) and John Whitson (USA), 4.30 (14'1 1/4"), 984
- Mark Lineweaver (USA) - tie between Anatoliy Kartashov (USSR) and Al Lauzier (CAN), 3.88 (12'8 3/4"), 784
- Gordy Grahm (CAN), 3.80 (12'6 1/4"), 715
- Tom Arnott (CAN) - no height

POLE VAULT TEAM STANDINGS

- Fred Dixon (USA), 6549 (6992)
- Alexander Grebenyuk (USSR), 6314 (6687)
- John Warkentin (USA), 6579 (6645)
- Nikolay Avilov (USSR), 6532 (6626)
- Bob Coffman (USA), 6542 (6633)
- Fred Samara (USA), 6502 (6588)
- Konstantin Akhaphin (USSR), 6442 (6545)
- Vladimir Anisimov (USSR), 6357 (6663)
- Roger George (USA), 6302 (6529)
- Vladimir Buryakov (USSR), 6293 (6643)
- Vladimir Bugar (USSR), 6261 (6603)
- Rex Harvey (USA), 6258 (6614)
- Anatoliy Kartashov (USSR), 6092 (6512)
- Jeff Bennett (USA), 6104 (6615)
- Al Northcott (CAN), 6129 (6672)
- Gordy Grahm (CAN), 5835 (6585)
- Al Lauzier (CAN), 5266 (5822)
- John Whitson (USA), 5245 (6336)
- Leon Smiechowski (CAN), 5367 (6011)
- John Gamble (CAN), 4272 (5262)

DECATHLON - JAVELIN

Records

World: 266-2 1/2 (81.14), Lennart Hedmark, Sweden, 1973
 Meet: 250-6 (76.36), Victor Celnokov, USSR, 1974
 American: 249-1 (75.92), Jerry Dyes, 1964
 Soviet: 265-10 (81.04), Janis Lasis, 1962
 Canadian: 222-3 (67.76), Al Northcott, 1977

1ST FLIGHT

	1st	2nd	3rd
1. Mark Lineweaver, USA	54.08	51.34	57.66
2. Zenon Smiechowski, CAN	foul	53.88	51.52
3. Anatoliy Kartashov, USSR	foul	55.28	foul
4. Tom Arnott, CAN	foul	44.12	44.22
5. Gordie Graham, CAN	foul	foul	46.30
6. John Gamble, CAN	47.68	foul	55.64
7. Alan Lauzier, CAN	54.70	55.68	48.14

2ND FLIGHT

Vladimir Bugai, USSR	52.64	50.28	51.68
Al Northcott, CAN	61.76	foul	60.24
John Warkentin, USA	54.68	60.98	62.90
Nickolay Avilov, USSR	foul	65.04	pass
Bob Coffman, USA	45.52	47.78	44.32
Roger George, USA	foul	51.70	53.62
Konstantin Akhapkin, USSR	foul	48.06	46.28
John Whitson, USA	foul	scratched	scratched
Vladimir Buryakov, USSR	53.30	52.98	56.76

3RD FLIGHT

Fred Samara, USA	51.40	58.64	59.34
Vladimir Anisimov, USSR	56.24	61.78	62.80
Jeff Bennett, USA	53.38	55.10	56.54
Alexandr Grebenyuk, USSR	68.70	69.64	67.02
Fred Dixon, USA	foul	67.88	foul
Rex Harvey, USA	51.52	50.80	51.34

OVERALL STANDINGS 9 JAVELIN THROW

	POINTS
1. Alexandr Grebenyuk (USSR), 228-6 (69.64)	875
2. Fred Dixon (USA), 222-8 (67.88)	855
3. Nickolay Avilov (USSR), 213-5 (65.04)	822
4. John Warkentin (USA), 206-4 (62.90)	796
5. Vladimir Anisimov (USSR), 206-0 (62.80)	795
6. Al Northcott (CAN), 202-7 (61.76)	783
7. Fred Samara (USA), 194-8 (59.34)	753
8. Mark Lineweaver (USA-NS), 189-2 (57.66)	732
9. Vladimir Buryakov (USSR), 186-3 (56.76)	721
10. Jeff Bennett (USA), 185-6 (56.54)	718
11. Alan Lauzier (CAN), 182-8 (55.68)	707
12. tied with John Gamble (CAN), 182-6 (55.64)	707
13. Anatoliy Kartashov (USSR), 181-4 (55.28)	697
14. Zenon Smiechowski (CAN), 176-9 (53.88)	682
15. Roger George (USA), 175-11 (53.62)	681
16. Vladimir Bugai (USSR), 172-8 (52.64)	668
17. Rex Harvey (USA), 169-0 (51.52)	653
18. Konstantin Akhapkin (USSR), 157-8 (48.06)	606
19. Bob Coffman (USA), 156-9 (47.78)	603
20. Gordie Graham (CAN), 151-11 (46.30)	582
21. Tom Arnott (CAN), 145-1 (44.22)	555

OVERALL STANDINGS AFTER NINE EVENTS

Page 2

1. Fred Dixon (GBR) - 7404 (7367)
2. Alexandr Grebenyuk (USSR) - 7689 (7711)
3. John Warkentin (USA) - 7375 (7441)
4. Nikolay Avilov (USSR) - 7374 (7448)
5. Fred Samara (USA) - 7261 (7342)
6. Bob Goffman (USA) - 7143 (7236)
7. Vladimir Arisimov (USSR) - 7122 (7164)
8. Konstantin Akhupkin (USSR) - 7047 (7122)
9. Vladimir Buryakov (USSR) - 6984 (7064)
10. Roger George (USA) - 6963 (7010)
11. Vladimir Bugai (USSR) - 6869 (6989)
12. Rex Harvey (USA) - 6721 (6777)
13. Anatoliy Yarashov (USSR) - 6704 (6823)
14. Jeff Bennett (USA) - 6698 (6763)
15. Al Northcott (CAN) - 6402 (6455)
16. Gordie Graham (CAN) - 6117 (6167)
17. Alan Lauzier (CAN) - 5973 (6029)
18. Zenon Smiechowski (CAN) - 5749 (5818)
19. John Whitson (USA) - 5245 (5295)
20. John Gamble (CAN) - 5036 (5224)
21. Don Azinger (CAN) - 4774 (4795)
22. Mark Lineweaver (USA-118) - 6369 (6434)

RESULTS - 1970

Records

World: 3:40.3, Paul Cunningham, GBR, 1970
 American: 3:46.2, Paul Cunningham, 1970
 Soviet: 4:00.8, Vladimir Kuznetsov, 1973
 Canadian: 4:03.7, John Gamble, 1970

1ST HEAT

(Hand times in parenthesis)

1. Gordy Grahn (CAN), 4.23 (4.23), 632 (632)
2. John Gamble (CAN), 4.24 (4.24), 628 (628)
3. Tom Arnett (CAN), 4.26 (4.26), 614 (614)
4. Al Northcott (CAN), 4.37 (4.37), 539 (541)
5. Mark Lineweaver (USA), 4.47 (4.46), 433 (435)
6. Al Lauzier (CAN), 5.02 (5.02), 293 (304)
7. Zenon Smolchowski (CAN), 5.17 (5.16), 320 (322)

2ND HEAT

1. Jeff Bennett (USA), 4.16 (4.16), 688 (690)
2. Anatoliy Kartashov (USSR), 4.27 (4.27), 680 (679)
3. Roger George (USA), 4.28 (4.28), 635 (636)
4. Konstantin Akhaphin (USSR), 4.31 (4.31), 578 (580)
5. Vladimir Buryakov (USSR), 4.32 (4.34), 573 (583)
6. Rex Harvey (USA), 4.35 (4.34), 556 (562)
7. Vladimir Bugai (USSR), 4.45 (4.35), 554 (555)

3RD HEAT

1. John Markentin (USA), 4.25 (4.25), 619 (620)
2. Fred Dixon (USA), 4.30 (4.30), 588 (589)
3. Nikolay Avilov (USSR), 4.42 (4.42), 535 (538)
4. Vladimir Anisimov (USSR), 4.43 (4.42), 502 (503)
5. Fred Samara (USA), 4.43 (4.43), 501 (503)
6. Alexandr Grabenyski (USSR), 4.56 (4.54), 425 (432)
7. Bob Coffman (USA), 4.57 (4.57), 423 (424)

1500 METER STANDINGS

1. Jeff Bennett (USA), 4:16.1 (4.16), 643 (649)
2. Anatoliy Kartashov (USSR), 4:17.2 (4.17), 608 (610)
3. Roger George (USA), 4:23.4 (4.23), 582 (585)
4. Gordy Grahn (Canada), 4:23.9 (4.23), 632 (632)
5. John Gamble (CAN), 4:24.4 (4.24), 628 (628)
6. John Markentin (USA), 4:25.4 (4.25), 619 (620)
7. Tom Arnett (CAN), 4:26.4 (4.26), 614 (614)
8. Fred Dixon (USA), 4:30.2 (4.30), 588 (589)
9. Konstantin Akhaphin (USSR), 4:31.5 (4.31), 578 (580)
10. Vladimir Buryakov (USSR), 4:32.4 (4.34), 573 (583)
11. Rex Harvey (USA), 4:35.0 (4.35), 556 (555)
12. Vladimir Bugai (USSR), 4:35.3 (4.35), 554 (555)
13. Al Northcott (CAN), 4:37.8 (4.37), 539 (541)
14. Nikolay Avilov (USSR), 4:43.0 (4.43), 535 (538)
15. Vladimir Anisimov (USSR), 4:43.7 (4.43), 502 (503)
16. Fred Samara (USA), 4:43.9 (4.43), 501 (503)
17. Mark Lineweaver (CAN), 4:46.5 (4.46), 433 (435)
18. Alexandr Grabenyski (USSR), 4:57.0 (4.54), 425 (432)
19. Bob Coffman (USA), 4:57.3 (4.57), 423 (424)
20. Al Lauzier (CAN), 5:02.8 (5.02), 293 (304)
21. Zenon Smolchowski (CAN), 5:17.0 (5.16), 320 (322)

Records

World: No Record

Meet: No Record

1ST HEAT

	Time	Pts.
1. Liz McBlain (CAN)	2.18 (2.18)	804 (805)
2. Laurie Hirst (CAN)	2.23 (2.23)	744 (747)
3. Sue Summers (CAN)	2.24 (2.24)	736 (741)
4. Denise Cornell (USA)	2.27 (2.27)	697 (783)
5. Linda Cornelius (USA)	2.33 (2.32)	638 (643)

2ND HEAT

1. Nadezda Tkachenko (USSR)	2.11 (2.11)	901 (904)
2. Nadezda Karyakina (USSR)	2.12 (2.12)	888 (891)
3. Teri Seippel (USA)	2.14 (2.13)	869 (872)
4. Zoya Spasovoskhodskaya (USSR)	2.16 (2.15)	840 (844)
5. Patsy Walker (USA)	2.24 (2.22)	734 (758)
6. Penny May (CAN)	2.30 (2.29)	670 (673)

800 METER STANDINGS

1. Nadezda Tkachenko (USSR)	2.11 (2.11)	901 (904)
2. Nadezda Karyakina (USSR)	2.12 (2.12)	888 (891)
3. Teri Seippel (USA)	2.14 (2.13)	869 (872)
4. Zoya Spasovoskhodskaya (USSR)	2.16 (2.15)	840 (844)
5. Liz McBlain (CAN)	2.18 (2.18)	804 (805)
6. Laurie Hirst (CAN)	2.23 (2.23)	744 (747)
7. Sue Summers (CAN)	2.24 (2.24)	736 (741)
8. Patsy Walker (USA)	2.24 (2.22)	734 (758)
9. Denise Cornell (USA)	2.27 (2.27)	697 (783)
10. Penny May (CAN)	2.30 (2.29)	670 (673)
11. Linda Cornelius (USA)	2.33 (2.32)	638 (643)

STANDINGS AFTER FIVE EVENTS

1. Nadezda Tkachenko (USSR), 4666 (4683)	13.80, 51-10, 5-9, 20-4½, 2:18.9
2. Nadezda Karyakina (USSR), 4358 (4377)	
3. Zoya Spasovoskhodskaya (USSR), 4239 (4273)	
4. Patsy Walker (USA), 3972 (4003)	14.87, 34-5½, 5-9, 19-1½, 2:24.6,
5. Liz McBlain (CAN), 3838 (3862)	
6. Sue Summers (CAN), 3800, (3831)	
7. Penny May (CAN), 3789 (3800)	
8. Denise Cornell (USA), 3736 (3747)	15.24, 35-7½, 5-4¼, 18-2½, 2:27.8,
9. Laurie Hirst (CAN), 3688 (3701)	
10. Linda Cornelius (USA), 3381 (3421)	15.75, 28-7¾, 5-1¾, 17-8½, 2:33.2
11. Kerry Zwart (USA), 2227 (2238)	(did not finish) 15.91, 42-2, 5-1¾, 17-1½,

Non-scorers

Teri Seippel (USA), 3937 (3954) 15.13, 32-8½, 5-4¼, 19-4, 2:14.0
 Mary Harrington (USA), 2669 (2673) (did not finish)

16.11, 29-9, 5-1¾, 17-0, &nf

PENTATHLON - 100 M. HURDLES

Records

World: 13.2, Margrit Herbst, E. Ger., 1971; 13.2w, Heide Rosendahl,
W. Ger., 1972

Meet: 13.51, N. Tkachenko, USSR, 1975

(In parenthesis are hand times)

<u>1ST HEAT</u>	<u>Pts.</u>	<u>Wind</u>
1. Spasovoskhodskaya, Zoya (USSR), 13.83(13.6)	888(918)	1.5mps
2. Nadezda Karyakina (USSR), 14.13(14.0)	850(866)	
3. Terri Seippel (USA), 15.13(15.0)	734(748)	
4. Sue Summers (Canada), 15.14(14.9)	733(759)	
5. Liz McBlain (Canada), 15.21(15.0)	725(748)	
6. Linda Cornelius (USA), 15.75(15.4)	670(705)	

<u>2ND HEAT</u>	<u>Pts.</u>	<u>Wind</u>
1. Nadezda Tkachenko (USSR), 13.8(13.7)	891(905)	.2 mps
2. Patsy Walker, (USA), 14.87(14.8)	763(770)	
3. Denise Cornell (USA), 15.24(15.2)	722(727)	
4. Penny May (Can), 15.3(15.2)	716(727)	
5. Laurie Hirst (CAN), 15.9(15.8)	655(665)	
6. Kerry Zwart (USA), 15.91(15.8)	654(665)	
7. Mary Harrington (USA), 16.11 (16.0)	635(645)	

3RD HEATWindOVERALL RESULTS - 100 M. HURDLES (and standings after one event)

1. Nadezda Tkachenko - 891(905)	8. Denise Cornell - 722(727)
2. Zoya Spasovoskhodskaya - 888(918)	9. Penny May - 716(727)
4. Patsy Walker - 763(770)	10. Linda Cornelius - 670(705)
5. Terri Seippel - 734(748)	11. Laurie Hirst - 655(665)
3. Nadezda Karyakina - 850(866)	12. Kerry Zwart - 654(665)
6. Sue Summers - 733(759)	13. Mary Harrington - 635(645)
7. Liz McBlain - 725(748)	

PENTATHLON - SHOT PUT

Records

World: 17.16 (56'3½"), Irina Press, USSR, 1964
 Meet: 15.56 (51' ½"), N. Tkachenko, USSR, 1975

<u>FLIGHT 1</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>
Nadezda Tkachenko (USSR)	14.87	14.81	15.80 (51'10")
Zoya Spasovoskhodskaya (USSR)	13.95 (45'9¼")	12.52	13.34
Liz McBlain (CAN)	11.20	10.68	11.37 (37'3 3/4")
Sue Summers (CAN)	9.97	10.56	10.90 (35'9¼")
Patsy Walker (USA)	10.41	10.46	10.50 (34'5½")
Teri Seippel (N/S-USA)	9.97 (32'8½")	9.35	Foul
Linda Cornelius (USA)	8.73 (28'7 3/4")	8.26	8.65

<u>FLIGHT 2</u>			
Nadezda Karyakina (USSR)	11.73	12.26	13.19 (43'3¼")
Kerry Zwart (USA)	Foul	12.85 (42'2")	12.49
Penny May (CAN)	12.14	12.41 (40'8½")	12.20
Denise Cornell (USA)	9.38	10.27	10.86 (35'7½")
Laurie Hirst (CAN)	9.69	10.23 (33'6 3/4")	10.06
Mary Harrington (USA)	9.07 (29'9")	8.53	Foul

SHOT PUT STANDINGS

1. Nadezda Tkachenko (USSR), 15.80 (51'10"), (939)
2. Zoya Spasovoskhodskaya (USSR), 13.95 (45'9¼"), (835)
3. Nadezda Karyakina (USSR), 13.19 (43'3¼"), (791)
4. Kerry Zwart (USA), 12.85 (42'2"), (771)
5. Penny May (CAN), 12.41 (40'8½"), (744)
6. Liz McBlain (CAN), 11.37 (37'3 3/4"), (679)
7. Sue Summers (CAN), 10.90 (35'9¼"), (649)
8. Denise Cornell (USA), 10.86 (35'7½"), (647)
9. Patsy Walker (USA), 10.50 (34'5½"), (623)
10. Laurie Hirst (CAN), 10.23 (33'6 3/4"), (605)
11. Teri Seippel (USA), 9.97 (32'8½"), (587)
12. Mary Harrington (USA), 9.07 (29'9"), (524)
13. Linda Cornelius (USA), 8.73 (28'7 3/4"), (500)

STANDINGS AFTER TWO EVENTS

(In parenthesis hand times)

1. Nadezda Tkachenko (USSR), 1830 (1844)
2. Zoya Spasovoskhodskaya (USSR), 1723 (1753)
3. Nadezda Karyakina (USSR), 1641 (1657)
4. Penny May (CAN), 1460 (1471)
5. Kerry Zwart (USA), 1425 (1436)
6. Liz McBlain (CAN), 1404 (1427)
7. Patsy Walker (USA), 1386 (1393)
8. Sue Summers (CAN), 1382 (1408)
9. Denise Cornell (USA), 1369 (1374)
10. Terri Seippel (USA), 1321 (1335)
11. Laurie Hirst (CAN), 1260 (1270)
12. Linda Cornelius (USA), 1170 (1205)
13. Mary Harrington (USA), 1159 (1169)

Records

World: 1.56 (5' 1 1/4"), Linda Gussenhart, Austria, 1972
 Meet: 1.51 (5' 11 1/4"), Diane Jones, Canada, 1975

	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75
L. Cornelius (USA)	pass	X	X	BY	X	OX	000					
N. Karyakina (USSR)	pass	pass	pass	X	X	X	X	X	00	000		
M. Hirst (CAN)	pass	pass	X	X	X	X	X	X	000			
D. Cornell (USA)	pass	pass	pass	pass	X	OX	X	X	000			
Z. Spasovskaya (USSR)	pass	X	X	X	X	X	X		000			
L. McLain (CAN)	X	X	X	OX	OX	OX	000					
T. Seippel (U/S-USA)	pass	pass	pass	X	X	X	OX	X	000			
N. Tkachenko (USSR)	pass	pass	pass	pass	pass	X	X	X	00	X	OX	
P. May (CAN)	OX	X	X	X	X	X	OX	OX	000			
K. Zwart (USA)	X	X	X	X	X	X	X		000			
S. Summers (CAN)	pass	pass	pass	X	X	OX	X	OX	000			
P. Walker (USA)	pass	pass	pass	pass	X	X	X	X	OX	OX	X	00
M. Harrington (U/S-USA)	pass	X	X	X	OX	OX	000					

HIGH JUMP STANDINGS

- tie between Nadezda Tkachenko (USSR) and Patsy Walker (USA), 2.77 (5'9"), (883)
- Nadezda Karyakina (USSR), 2.66 (5'5 1/2"), (894)
- tie between Laurie Hirst (CAN) and Denise Cornell (USA) and Teri Seippel (USA) and Penny May (CAN) and Sue Summers (CAN), 2.63 (5'4 1/2"), (865)
- Zoya Spasovskhodskaya (USSR), 2.60 (5'3"), (834)
- tie between Linda Cornelius (USA) and Liz McLain (CAN) and Kerry Zwart (USA) and Mary Harrington (USA), 2.57 (5'1 3/4"), (802)

STANDINGS AFTER FOUR EVENTS

- Nadezda Tkachenko (USSR), 2618 points
- Zoya Spasovskhodskaya (USSR), 2557
- Nadezda Karyakina (USSR), 2536
- Patsy Walker (USA), 2369
- Penny May (CAN), 2328
- Sue Summers (CAN), 2217
- Denise Cornell (USA), 2234
- Kerry Zwart (USA), 2127
- Liz McLain (CAN), 2106
- Laurie Hirst (CAN), 2125
- Linda Cornelius (USA), 1917

PENTATHLON OVERALL STANDINGS FIRST DAY ROUND TIMES

Nadezda Tkachenko (USSR), 2827
Zoya Spasovoskhodskaya (USSR), 2567
Nadezda Karyakina (USSR), 2552
Patsy Walker (USA), 2376
Penny May (CAN), 2336
Sue Summers (CAN), 2273
Denise Cornell (USA), 2239
Kerry Zwart (USA), 2238
Liz McBlain (CAN), 2229
Laurie Hirst (CAN), 2135
Linda Cornelius (USA), 2007

RENEWATION - LONG JUMP

Records

World: 6.93W (22'5 1/2") Nadezda Tkachenko, USSR, 1977
 Meet: 6.43 (21'1 1/4") N. Tkachenko, USSR, 1975

FLIGHT 1

	1st	2nd	3rd
Nadezda Tkachenko (USSR)	6.41 (20'4 1/2")	5.99	foul
Teri Seippel (USA-F/S)	5.38	4.99	5.69 (18'8 1/2")
Patsy Walker (USA)	5.83 (19'3 1/4")	5.82	5.67
Zoya Spasova (USSR)	5.71 (18'9 1/4")	foul	foul
Liz McBlain (CAN)	5.40	5.14	5.65 (18'6 1/2")
Sue Summers (CAN)	5.60 (18'4 3/4")	5.43	5.52
Linda Cornelius (USA)	5.35	foul	5.40 (17'8 1/2")

FLIGHT 2

Nadezda Karyakina (USSR)	foul	5.86	5.13 (16'10")
Laurie Hirst (CAN)	foul	5.53	5.71 (18'7 1/4")
Denise Cornell (USA)	5.49	5.55 (18'2 1/2")	5.49
Penny May (CAN)	foul	foul	5.50 (18'0 1/2")
Mary Harrington (USA-F/S)	foul	5.14 (16'8 1/2")	5.40 (17'7 1/4")
Kerry Zwart (USA-Injured)			5.40 (17'7 1/4")

LONG JUMP STANDINGS

1. Nadezda Tkachenko (USSR), 6.40 (21'0")
2. Nadezda Karyakina (USSR), 6.13 (20'1 1/4")
3. Teri Seippel (USA), 5.89 (19'4")
4. Patsy Walker (USA), 5.83 (19'3 1/4")
5. Zoya Spasovoskhodskaya (USSR), 5.77 (18'11 1/2")
6. Liz McBlain (CAN), 5.65 (18'6 1/2")
7. Laurie Hirst (CAN), 5.61 (18'5")
8. Sue Summers (CAN), 5.60 (18'4 3/4")
9. Denise Cornell (USA), 5.55 (18'2 1/2")
10. Penny May (CAN), 5.50 (18'0 1/2")
11. Linda Cornelius (USA), 5.40 (17'8 1/2")
12. Mary Harrington (USA), 5.14 (16'8 1/2")

STANDINGS AFTER FOUR EVENTS

1. Nadezda Tkachenko (USSR), 3285 (1277)
2. Nadezda Karyakina (USSR), 3270 (1260)
3. Zoya Spasovoskhodskaya (USSR), 3250 (1249)
4. Patsy Walker (USA), 3230 (1245)
5. Penny May (CAN), 3115 (1210)
6. Sue Summers (CAN), 3064 (1200)
7. Denise Cornell (USA), 3030 (1190)
8. Liz McBlain (CAN), 2934 (1164)
9. Laurie Hirst (CAN), 2944 (1164)
10. Linda Cornelius (USA), 2701 (1078)
11. Kerry Zwart (USA), 2287 (920)

PENTATHLON TEAM SCORES

	USA	USSR	CANADA
100 meter hurdles	2155	2629	2174
Shot Put	4180	5194	4246
High Jump	6830	7906	6778
Long Jump	9020	10634	9217
800 meters	11089	13263	11427

JH

SUMMARY - 100 Y. SWIMMER

Report
Date

11.4, Kragli, Moscow, U.S.S.R., 1977; 13.24, Linda Cornsall,
U.S.A., 1977

Date: 11.11, M. Yashchenko, USSR, 1976

(in parentheses are best times)

100 Yards	Pts.	Wind
1. Spasovskiy, Zoya (USSR), 13.05(13.5)	853(918)	7.5 mps
4. Masenko, Irtyakina (USSR), 13.13(14.0)	850(866)	
3. Verrill, Carl (USA), 15.12(15.0)	734(748)	
2. Sue Samers (Canada), 15.14(14.3)	733(691)	
5. Sue Samers (Canada), 15.23(15.3)	725(748)	
6. Linda Cornsall (USA), 15.25(15.4)	670(703)	

100 Yards	Pts.	Wind
1. Masenko, Irtyakina (USSR), 13.8(13.7)	891(905)	1.5 mps
4. Patsy Walker, (USA), 14.8(14.8)	763(770)	
2. Denise Cornsall (USA), 15.3(15.2)	723(727)	
5. Penny Kay (USA), 15.3(15.4)	716(727)	
3. Laurie Miller (USA), 15.9(15.3)	653(665)	
6. Kerry Swart (USA), 15.23(15.8)	654(645)	
7. Mary Harrington (USA), 16.11 (16.0)	635(645)	

OVERALL 100 Y. SWIMMER (all standings after one event)

1. Masenko, Irtyakina - 891(905)	2. Denise Cornsall - 723(727)
2. Zoya Spasovskiy - 853(918)	3. Penny Kay - 716(727)
4. Patsy Walker - 763(770)	4. Linda Cornsall - 670(703)
5. Carl Verrill - 734(748)	5. Laurie Miller - 653(665)
3. Masenko, Irtyakina - 850(866)	6. Kerry Swart - 654(645)
6. Sue Samers - 733(753)	7. Mary Harrington - 635(645)
7. Linda Cornsall - 745(748)	

PARAVENTILION - SHOT PUT

Records

World: 17.16 (56'3 1/4"), Irina Press, USSR, 1964
 Meet: 15.66 (51' 3/4"), N. Tkachenko, USSR, 1975

FLIGHT 1

	1st	2nd	3rd
Nadezda Tkachenko (USSR)	11.77	14.81	15.80 (51' 10")
Zoya Spasovskhodskaya (USSR)	13.39 (45' 9 1/2")	12.52	13.34
Liz McBlain (CAN)	11.70	10.63	12.37 (37' 3 3/4")
Sue Summers (CAN)	9.97	10.35	10.98 (35' 9 1/2")
Patsy Walker (USA)	10.41	10.46	10.50 (34' 5 1/2")
Teri Seippel (U.S.-USA)	9.97 (32' 0 1/4")	9.33	FOUL
Linda Cornelius (USA)	8.73 (28' 7 3/4")	8.26	6.45

FLIGHT 2

	1st	2nd	3rd
Nadezda Karyakina (USSR)	11.73	12.25	12.19 (43' 3 1/4")
Kerry Swart (USA)	FOUL	12.85 (42' 2")	17.45
Penny May (CAN)	12.14	12.41 (30' 8 1/4")	12.20
Denise Cornell (USA)	9.31	10.27	10.86 (35' 7 1/4")
Laurie Hirst (CAN)	9.69	10.23 (33' 6 3/8")	10.05
Mary Harrington (USA)	9.07 (29' 9")	8.53	FOUL

SHOT PUT STANDINGS

1. Nadezda Tkachenko (USSR), 15.80 (51' 20"), (939)
2. Zoya Spasovskhodskaya (USSR), 13.35 (45' 9 1/2"), (835)
3. Nadezda Karyakina (USSR), 12.19 (43' 3 1/4"), (794)
4. Kerry Swart (USA), 12.85 (42' 2"), (782)
5. Penny May (CAN), 12.41 (30' 8 1/4"), (744)
6. Liz McBlain (CAN), 11.37 (37' 3 3/4"), (679)
7. Sue Summers (CAN), 10.98 (35' 9 1/2"), (648)
8. Denise Cornell (USA), 10.86 (35' 7 1/4"), (647)
9. Patsy Walker (USA), 10.50 (34' 5 1/2"), (623)
10. Laurie Hirst (CAN), 10.23 (33' 6 3/8"), (603)
11. Teri Seippel (USA), 9.97 (32' 0 1/4"), (587)
12. Mary Harrington (USA), 9.07 (29' 9"), (525)
13. Linda Cornelius (USA), 8.73 (28' 7 3/4"), (500)

STANDINGS AFTER TWO EVENTS

(in parentheses are times)

1. Nadezda Tkachenko (USSR), 1630 (1849)
2. Zoya Spasovskhodskaya (USSR), 1723 (1753)
3. Nadezda Karyakina (USSR), 1661 (1657)
4. Penny May (CAN), 1660 (1471)
5. Kerry Swart (USA), 1425 (1436)
6. Liz McBlain (CAN), 1404 (1427)
7. Patsy Walker (USA), 1306 (1303)
8. Sue Summers (CAN), 1382 (1408)
9. Denise Cornell (USA), 1363 (1374)
10. Teri Seippel (USA), 1321 (1336)
11. Laurie Hirst (CAN), 1269 (1270)
12. Linda Cornelius (USA), 1170 (1205)
13. Mary Harrington (USA), 1159 (1169)

1. Harold Lloyd (1893-1971) actor
2. Maya Angelou (1929-2014) poet
3. Barbara Pym (1903-1982) writer
4. Henry James (1843-1916)
5. Henry Ford (1863-1945)
6. Joe Bonomo (1911-1991)
7. Robert Schumann (1810-1856)
8. Henry James (1843-1916)
9. Walter Dill Scott (1893-1981)
10. John Galsworthy (1867-1933)

VERA ACHARYA (1934), 1940-1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619,

PENTAWILLOW - LONG JUMP

Records

World: 6.83w (22'5"), Heide Rosendahl, W. Ger., 1972
 Meet: 6.43 (21' 1 1/4"), N. Khachenko, USSR, 1975

FLIGHT 1	1st	2nd	3rd
Nadezda Khachenko (USSR)	6.21 (20'4 1/2")	5.99	foul
Teri Seippel (USA-N/S)	5.35	4.92	5.89 (19'4 1/2")
Patsy Walker (USA)	5.33 (19'11 1/2")	5.33	5.07
Zoya Spas (ya) (USSR)	5.71 (18'9 3/4")	foul	foul
Liz McLain (CAN)	5.40	5.24	5.65 (18'6 1/2")
Sue Summers (CAN)	5.60 (18'4 1/2")	5.43	5.11
Linda Cornelius (USA)	5.45	foul	5.40 (17'8 1/2")

FLIGHT 2			
Nadezda Karys ina (USSR)	foul	5.35	5.13 (18'11 1/2")
Laurie Hirst (CAN)	foul	5.35	5.61 (18'5 1/2")
Denise Cornell (USA)	5.43	5.35 (17'10 1/2")	5.48
Penny May (CAN)	foul	5.31	5.58 (18' 1/2")
Mary Harrington (USA-N/S)	foul	5.13 (17'10")	5.13 (17'10")
Kerry Ewart (USA-injured)			5.13 (17'10")

LONG JUMP STANDINGS

1. Nadezda Khachenko (USSR), 6.21 (1952)
2. Nadezda Baryakina (USSR), 6.13 (1934)
3. Teri Seippel (USA), 5.83 (1981)
4. Patsy Walker (USA), 5.83 (1969)
5. Zoya Spas vakhodskaya (USSR), 5.71 (1941)
6. Liz McLain (CAN), 5.65 (1938)
7. Laurie Hirst (CAN), 5.61 (1919)
8. Sue Summers (CAN), 5.60 (1937)
9. Denise Cornell (USA), 5.55 (1905)
10. Penny May (CAN), 5.50 (1904)
11. Linda Cornelius (USA), 5.40 (1971)
12. Mary Harrington (USA), 5.13 (1909)

STANDINGS AND POINTS EARNED

1. Nadezda Baryakina (USSR), 3765 (1970)
2. Nadezda Khachenko (USSR), 3670 (1952)
3. Zoya Spas vakhodskaya (USSR), 3393 (1941)
4. Patsy Walker (USA), 3238 (1969)
5. Penny May (CAN), 3129 (1904)
6. Sue Summers (CAN), 3064 (1937)
7. Denise Cornell (USA), 3053 (1905)
8. Liz McLain (CAN), 2934 (1938)
9. Laurie Hirst (CAN), 2844 (1919)
10. Linda Cornelius (USA), 2743 (1971)
11. Mary Ewart (CAN), 2227 (1909)

APPENDIX - 1000

RECEIVED

DATE: 10/10/77
BY: [illegible]

1000-1000

NAME	DATE	TIME	PRICE
1. [illegible] (1000)	10/10	10:10	1000
2. [illegible] (1000)	10/10	10:20	1000
3. [illegible] (1000)	10/10	10:30	1000
4. [illegible] (1000)	10/10	10:40	1000
5. [illegible] (1000)	10/10	10:50	1000

1000-1000

NAME	DATE	TIME	PRICE
1. [illegible] (1000)	10/10	10:10	1000
2. [illegible] (1000)	10/10	10:20	1000
3. [illegible] (1000)	10/10	10:30	1000
4. [illegible] (1000)	10/10	10:40	1000
5. [illegible] (1000)	10/10	10:50	1000

1000-1000

NAME	DATE	TIME	PRICE
1. [illegible] (1000)	10/10	10:10	1000
2. [illegible] (1000)	10/10	10:20	1000
3. [illegible] (1000)	10/10	10:30	1000
4. [illegible] (1000)	10/10	10:40	1000
5. [illegible] (1000)	10/10	10:50	1000
6. [illegible] (1000)	10/10	10:55	1000
7. [illegible] (1000)	10/10	11:00	1000
8. [illegible] (1000)	10/10	11:05	1000
9. [illegible] (1000)	10/10	11:10	1000
10. [illegible] (1000)	10/10	11:15	1000
11. [illegible] (1000)	10/10	11:20	1000

1000-1000

NAME	DATE	TIME	PRICE
1. [illegible] (1000)	10/10	10:10	1000
2. [illegible] (1000)	10/10	10:20	1000
3. [illegible] (1000)	10/10	10:30	1000
4. [illegible] (1000)	10/10	10:40	1000
5. [illegible] (1000)	10/10	10:50	1000
6. [illegible] (1000)	10/10	10:55	1000
7. [illegible] (1000)	10/10	11:00	1000
8. [illegible] (1000)	10/10	11:05	1000
9. [illegible] (1000)	10/10	11:10	1000
10. [illegible] (1000)	10/10	11:15	1000
11. [illegible] (1000)	10/10	11:20	1000

1000-1000

[illegible] (1000), 1000 (1000)
 Many [illegible] (1000), 1000 (1000) (Old not finished)

PENNSYLVANIA STATE SCORES

	USA	USSR	CANADA
100 meter hurdles	2155	2629	2174
Shot Put	6180	5194	4245
High Jump	5830	7906	5778
Long Jump	9820	10534	9217
800 meters	21099	13262	11407

DECATHLON - JAVELIN

Records

World: 266-2 1/2 (81.14), Lennart Hedmark, Sweden, 1973
 Meet: 250-6 (76.36), Victor Celnokov, USSR, 1974
 American: 249-1 (75.92), Jerry Dyes, 1964
 Soviet: 265-10 (81.04), Janis Lusis, 1962
 Canadian: 222-3 (67.76), Al Northcott, 1977

1ST FLIGHT

	1st	2nd	3rd
1. Mark Lineweaver, USA	54.08	51.34	57.66
2. Zenon Smiechowski, CAN	foul	53.88	51.52
3. Anatoliy Kartashov, USSR	foul	55.28	foul
4. Tom Arnott, CAN	foul	44.12	44.22
5. Gordie Graham, CAN	foul	foul	46.30
6. John Gamble, CAN	47.68	foul	55.64
7. Alan Lauzier, CAN	54.70	55.68	48.14

2ND FLIGHT

Vladimir Bugai, USSR	52.64	50.28	51.68
Al Northcott, CAN	61.76	foul	60.24
John Warkentin, USA	54.68	60.98	62.90
Nickolay Avilov, USSR	foul	65.04	pass
Bob Coffman, USA	45.52	47.78	44.32
Roger George, USA	foul	51.70	53.62
Konstantin Akhapkin, USSR	foul	48.06	46.28
John Whitson, USA	foul	scratched	scratched
Vladimir Buryakov, USSR	53.30	52.98	56.76

3RD FLIGHT

Fred Samara, USA	51.40	58.64	59.34
Vladimir Anisimov, USSR	56.24	61.78	62.80
Jeff Bennett, USA	53.38	55.10	56.54
Alexandr Grebenyuk, USSR	68.70	69.64	67.02
Fred Dixon, USA	foul	67.88	foul
Rex Harvey, USA	51.52	50.80	51.34

OVERALL STANDINGS 9 JAVELIN THROW

	POINTS
1. Alexandr Grebenyuk (USSR), 228-6 (69.64)	875
2. Fred Dixon (USA), 222-8 (67.88)	855
3. Nickolay Avilov (USSR), 213-5 (65.04)	822
4. John Warkentin (USA), 206-4 (62.90)	796
5. Vladimir Anisimov (USSR), 206-0 (62.80)	795
6. Al Northcott (CAN), 202-7 (61.76)	783
7. Fred Samara (USA), 194-8 (59.34)	753
8. Mark Lineweaver (USA-NS), 189-2 (57.66)	732
9. Vladimir Buryakov (USSR), 186-3 (56.76)	721
10. Jeff Bennett (USA), 185-6 (56.54)	718
11. Alan Lauzier (CAN), 182-8 (55.68)	707
12. tied with John Gamble (CAN), 182-6 (55.64)	707
13. Anatoliy Kartashov (USSR), 181-4 (55.28)	697
14. Zenon Smiechowski (CAN), 176-9 (53.88)	682
15. Roger George (USA), 175-11 (53.62)	681
16. Vladimir Bugai (USSR), 172-8 (52.64)	668
17. Rex Harvey (USA), 169-0 (51.52)	653
18. Konstantin Akhapkin (USSR), 157-8 (48.06)	606
19. Bob Coffman (USA), 156-9 (47.78)	603
20. Gordie Graham (CAN), 151-11 (46.30)	582
21. Tom Arnott (CAN), 145.1 (44.22)	552
22. John Whitson (USA), scratched	0

FINAL STANDINGS AFTER TEN EVENTS

4317-1	1.	Fred Dixon (USA), 8393 (8496) ⁴⁰⁷⁶ (10.85, 24-5, 49-10 1/2, 6-8 1/4, 48.5, 14.94, 154-8, 15-1 1/4, 222-8, 41'30.2
4099-2	2.	Alexandr Grabenyt (USSR), 8114 (8204) ⁴⁰¹⁵ (11.03, 21-11 3/4, 51-5, 6-7 1/4, 49.0, 14.72, 165-3, 15-1 1/4, 228-6, 41'57.0
4000-5	3.	John Warkentin (USA), 7995 (8081) ³⁹²⁵ (11.21, 22-10 3/4, 46-10 1/2, 6-4 3/4, 48.6, 15.01, 159-9, 14-1 1/4, 206-4, 41'35.7
3984-6	4.	Nickolay Avilov (USSR), 7880 (7989) ³⁸⁹⁶ (11.51, 22-11 1/4, 47-9 3/4, 6-4 1/2, 50.1, 14.86, 154-6, 14-1 1/4, 213-5, 41'43.0
4017-3	5.	Fred Samara (USA), 7763 (7845) ³⁷⁴⁶ (10.92, 24-5, 44-4 3/4, 6-2 1/2, 49.6, 15.16, 138-8, 14-9 1/4, 194-8, 41'43.9
	6.	Vladimir Anisimov (USSR), 7634 (7667)
	7.	Konstatin Akhaphkin (USSR), 7627 (7702)
	8.	Roger George (USA), 7619 (7645) (11.40, 23-2 1/4, 42-0, 6-4 3/4, 49.6, 15.28, 140-9, 14-5 1/4, 175-11, 41'23.4
4002-4	9.	Bob Coffman (USA), 7568 (7660) (10.98, 23-10 3/4, 46-7, 6-1 1/4, 49.2, 14.59, 144-5, 14-1 1/4, 156-9, 41'57.3
	10.	Vladimir Buryakov (USSR), 7557 (7636)
	11.	Vladimir Bugai (USSR), 7423 (7514)
	12.	Jeff Bennett (USA), 7386 (7453) (11.29, 22-3 3/4, 37-8 3/4, 6-1 1/4, 48.5, 16.37, 116-9, 15-5, 185-6, 41'16.1
	13.	Anatoliy Kartashov (USSR), 7385 (7502)
	14.	Rex Harvey (USA), 7277 (7339) (11.18, 21-1 1/2, 43-10, 6-0, 49.7, 16.36, 132-10, 15-5, 169-0, 41'35.0
	15.	Al Northcott (CAN), 6941 (6996)
	16.	Mark Lineweaver (USA-NS), 6856 (11.26, 21-2 3/4, 40-10 1/4, 5-7 1/4, 49.9, 16.35, 130-6, 12-5 3/4, 189-2, 41'46.5
	17.	Gordie Graham (CAN), 6749 (6799)
	18.	Alan Lauzier (CAN), 6366 (6423)
	19.	Zenon Smiechowski (CAN), 6069 (6141)
	20.	John Gamble (CAN), 5666 (5852)
	21.	Tom Arnott (CAN), 5388 (5409)

Whitson - dnf (11.57, 22-3, 43-9 1/2, nh, 51.8, 15.89, 140-10, 14-1 1/4, nm, -529.5

Litvinenko - " (11.71, -641

US

8393

7995

7763

7619

7568

7386

46,724

SU

8114

7880

7634

7627

7557

7423

46,235

CAN

37,179

DECAHLON - SHOT PUT

Records

World: 62-10 3/4 (19.17), Edy Hubacher, Switzerland, 1969
 Meet: 54-7 1/4 (16.64), Rudolf Zigert, USSR, 1975
 American: 60-1 1/2 (18.32+), Brian Oldfield, 1971
 Soviet: 56-11 1/2 (17.36), Rudolf Zigert, 1973
 Canadian: 48-2 (14.68), Gerry Moro

FLIGHT 1	1st	2nd	3rd
Vladimir Burykov (USSR)	13.20 (43-3 3/4)	12.99	13.02
Al Northcott (Can)	11.45	11.71 (38-5)	11.30
Fred Samara (USA)	12.94	12.97	13.53 (44-4 3/4)
Anatoli Kartashov (USSR)	foul	13.23 (43-5)	12.50
Zenon Smiechowski (Can)	13.61	13.86 (45-5 3/4)	foul
Fred Dixon (USA)	14.84	14.67	15.20 (49-10 1/2) 0
Vladimir Bugai (USSR)	13.83	13.32	13.92 (45-8)
John Cambel (Can)	12.68 (41-7 1/4)	12.64	12.65
Bob Coffman (USA)	14.20 (46-7)	13.55	14.13
Vladimir Anisimov (USSR)	13.91 (45-7 3/4)	foul	foul
Alan Lauzier (Can)	11.09 (36-4 3/4)	10.59	10.92
John Whitson (USA)	13.02	13.35 (43-9 1/2)	foul

FLIGHT 2			
Konstantin Akhupkin (USSR)	13.07	13.39	13.71 (44-11 3/4)
Gordie Graham (Can)	10.66	10.89 (39-8 3/4)	10.73
Roger George (USA)	11.80	12.39	12.80 (42)
Tom Arnott (Can)	10.37	10.90	11.13 (36-6 1/4)
John Warkentin (USA)	14.29 (46-10 1/2)	13.70	pass
Alexander Grebenyuk (USSR)	14.21	15.02	15.67 (51-5)
Mark Lineweaver (USA) NS	11.91	12.29	12.45 (40-10 1/4)
Nickolay Avilov (USSR)	14.57 (47-9 3/4)	pass	pass
Rex Harvey (USA)	13.22	12.99	13.36 (43-10)
Jeff Bennett (USA)	11.50 (37-8 3/4)	11.46	11.25

SHOT PUT STANDINGS

1. Alexander Grebenyuk (USSR), 51-5, (328)
2. Fred Dixon (USA), 49-10 1/2 (301)
3. Nickolay Avilov (USSR), 47-9 3/4 (763)
4. John Warkentin (USA), 46-10 1/2 (746)
5. Bob Coffman (USA), 46-7 (740)
6. Vladimir Bugai (USSR), 45-8 (743)
7. Vladimir Anisimov (USSR), 45-7 3/4 (722)
8. Zenon Smiechowski (Can) 45-5 3/4 (719)
9. Konstantin Akhupkin (USSR), 44-11 3/4 (710)
10. Fred Samara (USA), 44-4 3/4 (698)
11. Rex Harvey (USA), 43-10 (688)
12. John Whitson (USA), 43-9 1/2 (687)
13. Anatoli Kartashov (USSR), 43-5 (680)
14. Vladimir Burykov (USSR), 43-3 3/4 (678)
15. Roger George (USA), 42 (652)
16. John Cambel (Can), 41-7 1/4 (644)
17. Mark Lineweaver (USA), NS (629), 40-10 1/4
18. Al Northcott (Can), 38-5 (580)
19. Jeff Bennett (USA), 37-8 3/4 (566)
20. Tom Arnott (Can), 36-6 1/4 (541)
21. Alan Lauzier (Can), 36-4 3/4 (538)
22. Gordie Graham (Can), 35-8 3/4 (524)

STANDINGS AFTER THREE EVENTS

1. Fred Dixon (USA), 2551
2. Fred Samara (USA), 2431
3. Bob Goffman (USA), 2426
4. Alexander Grebenyuk (USSR), 2382
5. Vladimir Anisimov (USSR), 2377
6. John Warkentin (USA), 2316
7. Nikolay Avilov (USSR), 2266
8. Anatoli Kartashov (USSR), 2250
9. Konstantin Akhupkin (USSR), 2241
10. Roger George (USA), 2196
11. Vladimir Buryakov (USSR), 2193
12. Rex Harvey (USA), 2150
13. Vladimir Bugai (USSR), 2141
14. John Whitson (USA), 2133
15. Zenon Smieshowski (Can), 2100
16. Jeff Bennett (USA), 2079
17. Gordie Graham (Can), 1987
18. Al Northcott (Can), 1855
19. Alan Lanzier (Can), 1820
20. John Gambel (Can), 1767
21. Tom Arnott (Can), 1700

DECATHLON - HIGH JUMP

Records

World: 7-3 (2.21), Rolf Bialschmidt, E. Ger., 1975
 Meet: 6-10 3/4 (2.10), Nikolay Avilov, USSR, 1975
 American: 7-1 1/2 (2.17), Dennis Adams, 1975; Bill Hancock, 1978
 Soviet: 7-1/4 (2.14), Nikolay Avilov, 1976
 Canadian: 6-6 3/4 (2.00), Zenon Smolchowski, 1977

	1.71	1.74	1.77	1.80	1.83	1.86	1.89	1.92	1.95	1.98	2.01	2.04
F. Dixon (USA)	pass	pass	pass	pass	pass	pass	pass	X	pass	X	pass	X
Z. Smolchowski (Can)	pass	pass	pass	pass	X	pass	X	pass	X	X	OOO	
A. Kartashov (USSR)	pass	X	pass	X	pass	X	pass	X	X	OOO		
F. Samara (USA)	pass	pass	X	pass	X	X	OX	OOO				
J. Cambel (Can)	X	X	OX	OOX	OOO							
L. Litvinyenko (USSR)												
R. George (USA)	pass	pass	pass	X	X	X	X	OX	OOX	OOO		
T. Arnold (Can)	OX	X	OOX	OOX	OOO							
K. Akhupkin (USSR)	pass	pass	pass	X	pass	X	pass	X	pass	OX	OX	OOX
J. Warkentin (USA)	pass	pass	pass	X	pass	X	pass	OX	OOX	OOO		
G. Graham (Can)	pass	pass	pass	X	X	pass	OX	OOO				
V. Bugai (USSR)	pass	pass	pass	X	pass	X	pass	X	X	OOX	X	OOX
	1.55	1.68	1.71	1.74	1.77	1.80	1.83	1.86	1.89	1.92	1.95	1.98
R. Harvey (USA)		pass	X	pass	X	X	OOX	OOO				
A. Lauzier (Can)	X	pass	X	pass	OX	OX	OOX	OOO				
N. Avilov (USSR)	pass	pass	pass	pass	pass	pass	pass	pass	pass	X	X	X
J. Bennett (USA)	X	X	X	X	X	X	OX	OX	OOO			
A. Northcott (Can)	X	X	OOX	X	OX	X	OX	OOO				
V. Anisimov (USSR)	pass	pass	pass	X	X	X	OX	X	X	OOO		
J. Whitson (USA)	pass	pass	pass	pass	OOO							
A. Grebonyuk (USSR)	pass	pass	pass	pass	pass	pass	pass	X	pass	X	X	X
B. Coffman (USA)	pass	pass	pass	pass	OX	pass	X	OX	OOO			
V. Buryakov (USSR)	pass	pass	pass	pass	X	pass	X	X	X	X	OOX	X
H. Lineweaver (USA)	NS OX	X	X	OOO								

Continuation of High Jumps

	2.01	2.04	2.07	2.10
N. Avilov (USSR)	X	X	X	OOO
A. Grebonyuk	X	OOO		
V. Buryakov	Opass			

HIGH JUMP STANDINGS

1.	Nikolay Avilov (USSR), 2.07 (6'9 1/2"), 917	
2.	Fred Dixon (USA), 2.04 (6'8 1/4"), 891	
3.	Konstantin Akhupkin (USSR), 2.04 (6'8 1/4"), 891	
4.	Vladimir Bugai (USSR), 2.04 (6'8 1/4"), 891	
5.	Alexander Grebonyuk (USSR), 2.01 (6'7 1/4"), 865	
6.	Vladimir Buryakov (USSR), 1.98 (6'6"), 840	
7.	Zenon Smolchowski (Can), 1.98 (6'6"), 840	
8.	Anatoli Kartashov (USSR), 1.95 (6'4 3/4"), 812	
9.	John Warkentin (USA), 1.95 (6'4 3/4"), 812	
10.	Roger George (USA), 1.95 (6'4 3/4"), 812	
11.	Vladimir Anisimov (SSR), 1.89 (6'2 1/2"), 760	1.89
12.	Fred Samara (USA), 1.89 (6'2 1/2"), 760	1.89
13.	Gordie Graham (Can), 1.89 (6'2 1/2"), 760	
14.	Jeff Bennett (USA), 1.86 (6'1 1/4"), 734	
15.	Rex Harvey (USA), 1.83 (6'0"), 707	
16.	Alan Lauzier (USSR), 1.83 (6'0"), 707	
17.	Al Northcott (Can), 1.83 (6'0"), 707	
18.	John Cambel (Can), 1.80 (5'9"), 690	

HIGH JUMP STANDINGS - (con't)

Page 2

19. Tom Arnott (Can), 1.30 (5'11"), 680
20. Mark Lineweaver (USA), 1.71 (5'7 1/4"), 597
21. John Whitson (USA), no height

STANDINGS AFTER FOUR EVENTS

1. Fred Dixon (USA) - 3442
2. Alexander Grebenyuk (USSR) - 3247
3. Fred Samara (USA) - 3191
4. Anatoli Kartashov (USSR) - 3183
5. Bob Coffman (USA) - 3160
6. Vladimir Anisimov (USSR) - 3137
7. Konstantin Akhpaikin (USSR) - 3132
8. John Warkentin (USA) - 3129
9. Nikolay Avilov (USSR) - 3063
10. Vladimir Burykov (USSR) - 3033
11. Vladimir Bugai (USSR) - 3032
12. Roger George (USA) - 3009
13. Zenon Smiechowski (Can) - 2940
14. Rex Harvey (USA) - 2857
15. Jeff Bennett (USA) - 2813
16. Gordie Graham (Can) - 2747
17. Al Northcott (Can) - 2562
18. Alan Lauzier (Can) - 2527
19. John Gambel (Can) - 2427
20. Tom Arnott (Can) - 2380
21. John Whitson (USA) - 2133
22. Mark Lineweaver - non scorer - 2676

DECATHLON - 400 METERS

Records

World: 43.8, Bill Toomey, USA, 1968
 best: 48.9, Fred Dixon, USA, 1978
 American: 45.6, Bill Toomey, 1968
 Soviet: 48.0, V. Ormanov, 1970
 Canadian: 49.1, Brian Anderson, 1976

1st HEAT

1. Fred Samara (USA), 49.59	824
2. Gordie Graham (CAN), 49.84	814
3. Mark Lineweaver (USA), 49.86	810
4. Al Northcott (CAN), 51.55	736
5. John Sample (CAN), 51.78	728
6. John Whitson (USA), 51.81	728
7. Al Lauzier (CAN), 52.14	716
8. Tom Amott (CAN), 53.04	679

2nd HEAT

1. Jeff Bennett (USA), 48.49	873
2. John Warkentin (USA), 48.63	871
3. Roger George (USA), 49.62	824
4. Rex Harvey (USA), 49.71	819
5. Vladimir Buryakov (USSR), 50.39	788
6. Vladimir Anisimov (USSR), 50.67	775
7. Anatoli Kartishov (USSR), 52.69	691
8. Zenon Smieshowski (CAN), 52.79	687

3rd HEAT

1. Fred Dixon (USA), 48.54	875
2. Alexander Grebenyuk (USSR), 48.93	852
3. Bob Coffman (USA), 49.20	842
4. Nikolay Avilov (USSR), 50.07	801
5. Konstantin Akhaphin (USSR), 50.62	779
6. Vladimir Bugai (USSR), 50.76	775

OVERALL RESULTS - 400 meters

1. tie between Jeff Bennett (USA) and Fred Dixon (USA), 875
3. John Warkentin (USA), 871
4. Alexander Grebenyuk (USSR), 852
5. Bob Coffman (USA), 842
6. tie between Fred Samara (USA) and Roger George (USA), 824
8. Rex Harvey (USA), 819
9. Gordie Graham (CAN), 814
10. Mark Lineweaver (USA), 810
11. Nikolay Avilov (USSR), 801
12. Vladimir Buryakov (USSR), 788
13. Konstantin Akhaphin (USSR), 779
14. tie between Vladimir Bugai (USSR) and Vladimir Anisimov (USSR), 775
16. Al Northcott (CAN), 736
17. tie between John Sample (CAN) and John Whitson (USA), 728
19. Al Lauzier (CAN), 716
20. Anatoli Kartishov (USSR), 691
21. Zenon Smieshowski (CAN), 687
22. Tom Amott (CAN), 679

STANDINGS AT THE END OF FIVE EVENTS -- FIRST DAY TOTALS

Fred Dixon (USA), 4317
 Aleksandr Grabenyyak (USSR), 4099
 Fred Samara (USA), 4017
 Joe Cofran (USA), 4002
 John Martens (USA), 4000
 Nikolay Avilov (USSR), 3984
 Vladimir Anisimov (USSR), 3912
 Konstantin Akkipkin (USSR), 3911
 Roger George (USA), 3883
 Vladimir Biryakov (USSR), 3821
 Vladimir Bugai (USSR), 3802
 Anatoli Kartishov (USSR), 3754
 Jeff Bennett (USA), 3688
 Rex Harvey (USA), 3676
 Zenon Bielechowski (CAN), 3627
 Gordy Grahn (CAN), 3561
 Al Northcott (CAN), 3238
 Al Lauzier (CAN), 3243
 John Gamble (CAN), 3175
 Tom Arnott (CAN), 3059
 John Whitson (USA), 2861

DISCUSSION - 110 M. H.

Records

World:	13.	Gen. Bruz, France, 1975
Recs:	13.	Ryszard Katus, Poland, 1975
American:	13.	Paul Gibson, 1971; Chris Adsit, 1971
Soviet:	14.	Boris Ivanov, 1971; Nikolay Avilov, 1971
Canadian:	14.	Harold Crevings, 1975

(parentheses indicate heat time)

1ST HEAT	TIME	POINTS	WIND
1. Bob Coffin (USA)	14.59 (14.5)	893 (826)	-2.4
2. Fred Dixon (USA)	14.94 (14.7)	855 (881)	
3. Fred Samard (USA)	15.16 (15.0)	832 (848)	
4. Al Northcutt (CAN)	15.60 (15.6)	787 (787)	
5. Vladimir Buryakov (USSR)	15.84 (15.7)	764 (777)	
6. Anatoliy Kartashov (USSR)	15.90 (15.9)	758 (757)	
7. Alan Lauzier (CAN)	16.15 (15.9)	735 (757)	
8. Zemon Smiechowski (CAN)	16.70 (16.4)	686 (712)	
2ND HEAT	TIME	POINTS	WIND
1. Alexandr Chabenyuk (USSR)	14.72 (14.6)	879 (892)	-2.4
2. Roger George (USA)	15.28 (15.1)	819 (837)	
3. Vladimir Anisimov (USSR)	15.36 (15.3)	811 (817)	
4. Gordie Graham (CAN)	15.42 (15.3)	808 (817)	
5. Vladimir Bugai (USSR)	15.89 (15.5)	759 (797)	
6. John Whinston (USA)	15.89 (15.8)	759 (767)	
7. Rex Harvey (USA)	16.36 (16.1)	716 (739)	
8. John Gamble (CAN)	18.34 (18.1)	557 (575)	
3RD HEAT	TIME	POINTS	WIND
1. Nikolay Avilov (USSR)	14.86 (14.7)	864 (881)	-3.2
2. John Markstein (USA)	15.01 (14.9)	847 (859)	
3. Konstantin Akhshkin (USSR)	15.15 (14.9)	833 (859)	
4. Mark Lineweaver (USA-NS)	16.35 (16.2)	717 (730)	
5. Jeff Bennett (USA)	16.37 (16.3)	715 (730)	
6. Tom Arnott (CAN)	17.07 (16.9)	655 (668)	

OVERALL RESULT - 110 M. H.

1. Bob Coffin (USA) - 893	Vladimir Buryakov (USSR) - 764
2. Alexandr Chabenyuk (USSR) - 879	John Whinston (USA) - 759
3. Nikolay Avilov (USSR) - 864	Fred with Vladimir Bugai (USSR)
4. Fred Dixon (USA) - 855	Anatoliy Kartashov (USSR) - 758
5. John Markstein (USA) - 847	Alan Lauzier (CAN) - 735
6. Konstantin Akhshkin (USSR) - 833	Mark Lineweaver (USA-NS) - 717
7. Fred Samard (USA) - 832	Rex Harvey (USA) - 716
8. Roger George (USA) - 819	Jeff Bennett (USA) - 715
9. Vladimir Anisimov (USSR) - 811	Zemon Smiechowski (CAN) - 686
10. Gordie Graham (CAN) - 808	Tom Arnott (CAN) - 655
11. Al Northcutt (CAN) - 787	John Gamble (CAN) - 557

STARTING STAFFINGS (AFR) SIX EVENTS

1. Fred Baker (USA) - 5172 (5215)
2. Alexander Gribenjak (USSR) - 4976 (5051)
3. Bob Hoffman (USA) - 4895 (4986)
4. Nikolay Avilov (USSR) - 4848 (4922)
5. Fred Samara (USA) - 4847 (4928)
6. Fred with John Warlandin (USA) - 4847 (4928)
7. Konstantin Akhupkin (USSR) - 4744 (4819)
8. Vladimir Anisimov (USSR) - 4723 (4755)
9. Roger George (USA) - 4652 (4679)
10. Vladimir Burdakov (USSR) - 4585 (4604)
11. Vladimir Buga (USSR) - 4561 (4651)
12. Anatoly Kartshov (USSR) - 4511 (4631)
13. Jeff Bennett (USA) - 4403 (4469)
14. Rex Harvey (USA) - 4352 (4448)
15. Gordie Graham (CAN) - 4335 (4415)
16. Zenon Sulechowski (CAN) - 4313 (4382)
17. Al Northcott (CAN) - 4085 (4171)
18. Alan Lauzier (CAN) - 3976 (4031)
19. John Garble (CAN) - 3731 (3918)
20. Tom Arnott (CAN) - 3714 (3735)
21. John Whitson (USA) - 3620 (3673)
22. Russ Lineweaver (USA-NS) - 4203 (4258)

DECATHLON - DISCUS THROW

Records

World: 174-8 (53.24), Wolfgang Klein, W. Ger., 1973
 Meet: 164-6 (50.14), Alexander Blinyayev, USSR, 1974
 American: 170-6 (51.98), Rafer Johnson, 1960
 Soviet: 169-11 (51.91), V. Kuznyetsov, 1960
 Canadian: 161-2 (49.12), Gerry Moro

1ST FLIGHT	1st	2nd	3rd
Vladimir Bugai, USSR	42.36	41.98	42.18
Vladimir Anisimov, USSR	39.84	foul	37.64
Bob Coffman, USA	foul	44.02	foul
John Warkentin, USA	43.50	47.58	48.70
Fred Dixon, USA	foul	47.14	45.32
Vladimir Buryakov, USSR	42.74	45.14	foul
Fred Samara, USA	42.28	41.93	foul
Tom Amott, CAN	31.56	foul	30.08
Gordie Graham, CAN	33.20	33.64	foul
Mark Lineweaver, USA (NS)	37.12	38.40	39.78
Anatoliy Karteshov, USSR	41.30	42.70	42.72

2ND FLIGHT	1st	2nd	3rd
Alan Lauzier, CAN	31.56	32.74	30.52
Alexandr Grebennyuk, USSR	48.26	49.34	50.38
Roger George, USA	41.88	42.82	42.90
John Whitson, USA	40.96	42.92	42.50
Al Northcott, CAN	43.54	41.38	39.62
John Gamble, CAN	foul	35.52	35.80
Nickolay Avilov, USSR	40.72	47.10	45.02
Jeff Bennett, USA	34.98	35.58	35.18
Hex Harvey, USA	40.48	40.18	40.12
Konstantin Akhupkin, USSR	foul	42.60	45.42
Zenon Smeichowski, CAN	41.26	43.04	43.06

OVERALL RESULTS - DISCUS THROW

	POINTS
1. Alexandr Grebennyuk (USSR), 165-5 (50.38)	879
2. John Warkentin (USA), 159-8 (48.70)	848
3. Fred Dixon (USA), 154-3 (47.14)	820
tied with Nickolay Avilov (USSR), 154-6 (47.10)	820
5. Konstantin Akhupkin (USSR), 149-0 (45.42)	788
6. Bob Coffman (USA), 144-5 (44.02)	763
7. Zenon Smeichowski (CAN), 143-3 (43.66)	754
tied with Al Northcott (CAN), 142-10 (43.54)	754
9. Vladimir Buryakov (USSR), 141-6 (43.14)	746
10. John Whitson (USA), 140-10 (42.92)	741
tied with Roger George (USA), 140-9 (42.80)	741
12. Anatoliy Karteshov (USSR), 140-2 (42.72)	736
13. Vladimir Bugai (USSR), 139-0 (42.36)	731
14. Fred Samara (USA), 133-8 (42.28)	729
15. Rex Harvey (USA), 132-10 (40.48)	695
16. Vladimir Anisimov (USSR), 130-8 (39.84)	682
17. Mark Lineweaver (USA-NS), 130-6 (39.78)	680
18. John Gamble (CAN), 117-5 (35.80)	599
19. Jeff Bennett (USA), 116-9 (35.58)	596
20. Gordie Graham (CAN), 110-4 (33.64)	554
21. Alan Lauzier (CAN), 107-5 (32.74)	534
22. Tom Amott (CAN), 103-6 (31.56)	508

OVERALL STANDINGS AFTER SEVEN EVENTS

Page 2

1. Fred Dixon (USA), 5907 (5035)
2. Alexandr Grebenyuk (USSR), 5857 (5910)
3. John Warkentin (USA), 5695 (5761)
4. Nickolay Avilov (USSR), 5668 (5742)
5. Bob Coffman (USA), 5658 (5743)
6. Fred Samara (USA), 5576 (5657)
7. Konstantin Akhupkin (USSR), 5532 (5607)
8. Vladimir Anisimov (USSR), 5405 (5437)
9. Roger George (USA), 5393 (5420)
10. Vladimir Buryakov (USSR), 5331 (5410)
11. Vladimir Bugai (USSR), 5292 (5332)
12. Anatoliy Kartashov (USSR), 5248 (5367)
13. Rex Harvey (USA), 5087 (5143)
14. Zenta Smiedowski (CAN), 5067 (5136)
15. Jeff Bennett (USA), 4939 (5064)
16. Gordie Graham (CAN), 4920 (4970)
17. Al Northcott (CAN), 4839 (4892)
18. Alan Lauzier (CAN), 4512 (4558)
19. John Whitson (USA), 4351 (4411)
20. John Gamble (CAN), 4331 (4517)
21. Tom Arnott (CAN), 4222 (4243)
22. Mark Lineweaver (USA-48), 4883 (4948)

Reco-23

American, 16-7 3/4 (5.67), Jeff Bennett, 1972

Soviet: 17-3/4 (5.20), Gennadiy Bliznyetsov, 1967

Canadian: 75-8 1.1.1.1, Gerry Moro

PIT 2	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	4.10
V. Buryakov (USSR)	pass	pass	pass	pass	pass	pass	pass	X	pass
G. Grehn (CAN)	OK	000							
M. Lineweaver (USA-T/S)	pass	pass	pass	pass	pass	00X	pass	000	
A. Kartashov (USSR)	pass	pass	pass	X	pass	X	pass	000	
T. Arnott (CAN)	000								
F. Samara (USA)	pass	pass	pass	pass	pass	pass	pass	pass	pass
V. Bugai (USSR)	pass	pass	pass	pass	pass	X	pass	X	pass
J. Warkentin (USA)	pass	pass	pass	pass	pass	pass	pass	X	pass
V. Anisimov (USSR)	pass	pass	pass	pass	pass	OK	pass	X	pass
F. Dixon (USA)	pass	pass	pass	pass	pass	pass	pass	pass	OK
B. Coffman (USA)	pass	pass	pass	pass	pass	OK	pass	OK	X

	4.40	4.30	4.40	4.50	4.60
V. Buryakov (USSR)	X	pass	X	X	000
G. Grahm (CAN)					
M. Lineweaver (USA-1/3)					
A. Kartashov (USSR)					
T. Arnot (CAN)					
F. Samara (USA)	pass	X	pass	X	000
V. Bugai (USSR)	X	00X	00X	000	
J. Warkentin (USA)	pass	X	000		
V. Anisimov (USSR)	X	pass	0X	X	000
F. Dixon (USA)	pass	X	0X	0X	00X
B. Coffman (USA)	0X	0X	000		

[illegible]

	4.30	4.40	4.50	4.60	4.70	4.80	4.90
J. Gamble (CAN)							
R. Harvey (USA)	X	pass	X	X	OX	000	
A. Akhaphin	pass	X	pass	000			
Z. Smiechowski (CAN)							
J. Bennett (USA)	X	pass	pass	X		pass	000
N. Avilov (USSR)	X	000					
A. Laurier (CAN)							
J. Whitson (USA)							
A. Grebennyuk (USSR)							
A. Northcott (CAN)							
R. George (USA)		OX	000				

POLE VAULT STANDINGS

- tie between Jeff Bennett (USA) and Rex Harvey (USA), 4.70 (15'5"), 981
- tie between Alexander Grebennyuk (USSR) and Fred Dixon (USA), 4.60 (15'1 1/4"), 957
- tie between Fred Samara (USA) and Vladimir Anisimov (USSR), and Vladimir Buryakov (USSR), 4.50 (14'9 1/4"), 932
- tie between Vladimir Bugai (USSR) and Konstantin Akhaphin (USSR) and Roger George (USA), 4.40 (14'5 1/4"), 909
- tie between John Warkentin (USA) and Bob Coffman (USA) and Nikolay Avilov (USA) and John Whitson (USA), 4.30 (14'1 1/4"), 884
- Mark Lineweaver (USA)-tie between and Anatoly Kartashov (USSR) and Al Laurier (CAN), 3.80 (12'5 3/4"), 734
- Gordy Grahm (CAN), 3.30 (10'10"), 615
- Tom Arnett (CAN)-no height
- Al Northcott (CAN), 3.90 (12'9 1/4"), 700

POLE VAULT TEAM STANDINGS

- Fred Dixon (USA), 6549 (6992)
- Alexander Grebennyuk (USSR), 6814 (6667)
- John Warkentin (USA), 6579 (6645)
- Nikolay Avilov (USSR), 6532 (6626)
- Bob Coffman (USA), 6542 (6633)
- Fred Samara (USA), 6508 (6589)
- Konstantin Akhaphin (USSR), 6441 (6516)
- Vladimir Anisimov (USSR), 6337 (6669)
- Roger George (USA), 6302 (6329)
- Vladimir Buryakov (USSR), 6263 (6342)
- Vladimir Bugai (USSR), 6201 (6291)
- Rex Harvey (USA), 6268 (6124)
- Anatoly Kartashov (USSR), 6002 (6121)
- Jeff Bennett (USA), 5980 (6045)
- Al Northcott (CAN), 5619 (5872)
- Gordy Grahm (CAN), 5535 (5585)
- Al Laurier (CAN), 5266 (5322)
- John Whitson (USA), 5245 (5296)
- Zenon Smiechowski (CAN), 5067 (5136)
- John Gamble (CAN), 4271 (4537)

DECATHLON - 1500 M.

Records

World: 3:49.3, Paul Cummings, U.S., 1976
 West: 4:16.6, Bruce Jenner, USA, 1975
 American: 3:48.2, Paul Cummings, 1976
 Soviet: 4:00.8, Vlad Kuznetsov, 1973
 Canadian: 4:07.7, John Gamble, 1976

1ST HEAT

(Hand times in parenthesis)

1. Gordy Grahn (CAN), 4.23 (4.23), 632 (632)
2. John Gamble (CAN), 4.24 (4.24), 628 (628)
3. Tom Arnett (CAN), 4.26 (4.26), 614 (614)
4. Al Northcott (CAN), 4.37 (4.37), 539 (541)
5. Mark Lineweaver (USA), 4.46 (4.46), 483 (485)
6. Al Lauzier (CAN), 5.02 (5.02), 393 (394)
7. Zenon Smiechowski (CAN), 5.17 (5.16), 320 (322)

2ND HEAT

1. Jeff Bennett (USA), 4.16 (4.16), 688 (690)
2. Anatoliy Kartashov (USSR), 4.17 (4.17), 680 (679)
3. Roger George (USA), 4.23 (4.23), 635 (636)
4. Konstantin Akhaphkin (USSR), 4.31 (4.31), 578 (580)
5. Vladimir Buryakov (USSR), 4.32 (4.34), 573 (558)
6. Rex Harvey (USA), 4.35 (4.34), 556 (562)
7. Vladimir Bugai (USSR), 4.35 (4.35), 554 (555)

3RD HEAT

1. John Markentin (USA), 4.25 (4.25), 619 (620)
2. Fred Dixon (USA), 4.30 (4.30), 588 (589)
3. Nikolay Avilov (USSR), 4.42 (4.42), 506 (508)
4. Vladimir Anisimov (USSR), 4.43 (4.43), 502 (503)
5. Fred Samara (USA), 4.43 (4.43), 501 (503)
6. Alexandr Grebenyuk (USSR), 4.56 (4.50), 425 (462)
7. Bob Coffman (USA), 4.57 (4.57), 423 (424)

1500 METER STANDANCE

1. Jeff Bennett (USA), 4:16.1 (4.16), 688 (690)
2. Anatoliy Kartashov (USA), 4:17.2 (4.17), 680 (679)
3. Roger George (USA), 4:23.4 (4.23), 635 (636)
4. Gordy Grahn (Canada), 4:23.9 (4.23), 632 (632)
5. John Gamble (CAN), 4:24.4 (4.24), 628 (628)
6. John Markentin (USA), 4:25.4 (4.25), 619 (620)
7. Tom Arnett (CAN), 4:26.4 (4.26), 614 (614)
8. Fred Dixon (USA), 4:30.2 (4.30), 588 (589)
9. Konstantin Akhaphkin (USSR), 4:31.8 (4.31), 578 (580)
10. Vladimir Buryakov (USSR), 4:32.4 (4.34), 573 (558)
11. Rex Harvey (USA), 4:35.0 (4.35), 556 (555)
12. Vladimir Bugai (USSR), 4:35.3 (4.35), 554 (555)
13. Al Northcott (CAN), 4:37.8 (4.37), 539 (541)
14. Nikolay Avilov (USSR), 4:43.0 (4.42), 506 (508)
15. Vladimir Anisimov (USSR), 4:43.7 (4.43), 502 (503)
16. Fred Samara (USA), 4:43.9 (4.43), 501 (503)
17. Mark Lineweaver (USA), 4:46.5 (4.46), 483 (485)
18. Alexandr Grebenyuk (USSR), 4:57.0 (4.50), 425 (462)
19. Bob Coffman (USA), 4:57.3 (4.57), 423 (424)
20. Al Lauzier (CAN), 5:02.8 (5.02), 393 (394)
21. Zenon Smiechowski (CAN), 5:17.0 (5.16), 320 (322)

PENTATHLON - HIGH JUMP

Records

World: 1.66 (5' 1 1/4"), Liana Gusenbauer, Austria, 1972
 Meet: 1.61 (5' 11 1/4"), Diane Jones, Canada, 1975

	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75
L. Cornelius (USA)	pass	X	X	OX	X	OX	000					
N. Karyakina (USSR)	pass	pass	pass	X	X	X	X	X	OX	000		
M. Hirst (CAN)	pass	pass	X	X	X	X	X	X	000			
D. Cornell (USA)	pass	pass	pass	pass	X	OX	X	X	000			
Z. Spasovskhodskaya (USSR)	pass	X	X	X	X	X	X	000				
L. McLain (CAN)	X	X	X	OX	00X	OX	000					
T. Seippel (N/S-USA)	pass	pass	pass	X	X	X	OX	X	000			
N. Tkachenko (USSR)	pass	pass	pass	pass	pass	X	X	X	OX	X	00X	0
P. May (CAN)	OX	X	X	X	X	X	00X	OX	000			
K. Zwart (USA)	X	X	X	X	X	X	000					
S. Summers (CAN)	pass	pass	pass	X	X	OX	X	OX	000			
P. Walker (USA)	pass	pass	pass	pass	X	X	X	X	OX	00X	X	00X
M. Harrington (N/S-USA)	pass	X	X	X	00X	00X	000					

HIGH JUMP STANDINGS

- tie between Nadezda Tkachenko (USSR) and Patsy Walker (USA), 1.75 (5'9"), (983)
- Nadezda Karyakina (USSR), 1.66 (5'5 1/2"), (695)
- tie between Laurie Hirst (CAN) and Denise Cornell (USA) and Teri Seippel (USA) and Penny May (CAN) and Sue Summers (CAN), 1.63 (5'4 1/2"), (865)
- Zoya Spasovoskhodskaya (USSR), 1.60 (5'3"), (834)
- tie between Linda Cornelius (USA) and Liz McLain (CAN) and Kerry Zwart (USA) and Mary Harrington (USA), 1.57 (5'1 3/4"), (802)

STANDINGS AFTER FOUR EVENTS

- Nadezda Tkachenko (USSR), 2613 points
- Zoya Spasovoskhodskaya (USSR), 2557
- Nadezda Karyakina (USSR), 2536
- Patsy Walker (USA), 2369
- Penny May (CAN), 2325
- Sue Summers (CAN), 2247
- Denise Cornell (USA), 2234
- Kerry Zwart (USA), 2127
- Liz McLain (CAN), 2106
- Laurie Hirst (CAN), 2125
- Linda Cornelius (USA), 1917

PENTATHLON - LONG JUMP

SCORES

World: 6.83w (22'5"), Heide Rosendahl, W. Ger., 1972
 Meet: 6.43 (21'1 1/4"), N. Tkachenko, USSR, 1975

FLIGHT 1	1st	2nd	3rd
Nadezda Tkachenko (USSR)	6.21 (20'4 1/2")	5.99	foul
Teri Seippel (USA-N/S)	5.38	4.92	5.89 (19'4")
Patsy Walker (USA)	5.83 (19'10")	5.82	5.67
Zoya Spasova (USSR)	5.71 (18'9 3/4")	foul	foul
Liz McLain (CAN)	5.40	5.24	5.65 (18'7")
Sue Summers (CAN)	5.60 (18'4 1/2")	5.43	5.32
Linda Cornelius (USA)	5.38	foul	5.40 (17'9")

FLIGHT 2	1st	2nd	3rd
Nadezda Karyakina (USSR)	foul	5.86	6.13 (20'1 1/2")
Laurie Hirst (CAN)	foul	5.55	5.61 (18'5")
Denise Cornell (USA)	5.49	5.55 (18'2 1/2")	5.49
Penny May (CAN)	foul	foul	5.30 (17'5")
Mary Harrington (USA-N/S)	foul	5.13 (16'10")	scratch
Kerry Ewart (USA-injured)			

LONG JUMP STANDINGS

1. Nadezda Tkachenko (USSR), 6.21 (957)
2. Nadezda Karyakina (USSR), 6.13 (934)
3. Teri Seippel (USA), 5.89 (882)
4. Patsy Walker (USA), 5.83 (869)
5. Zoya Spasovoskhodskaya (USSR), 5.71 (842)
6. Liz McLain (CAN), 5.65 (828)
7. Laurie Hirst (CAN), 5.61 (819)
8. Sue Summers (CAN), 5.60 (817)
9. Denise Cornell (USA), 5.55 (805)
10. Penny May (CAN), 5.50 (794)
11. Linda Cornelius (USA), 5.40 (771)
12. Mary Harrington (USA), 5.13 (708)

STANDINGS AFTER FOUR EVENTS

1. Nadezda Tkachenko (USSR), 3765 (3779)
2. Nadezda Karyakina (USSR), 3470 (3486)
3. Zoya Spasovoskhodskaya (USSR), 3399 (3429)
4. Patsy Walker (USA), 3236 (3245)
5. Penny May (CAN), 3119 (3130)
6. Sue Summers (CAN), 3064 (3090)
7. Denise Cornell (USA), 3039 (3044)
8. Liz McLain (CAN), 3034 (3057)
9. Laurie Hirst (CAN), 2944 (2964)
10. Linda Cornelius (USA), 2743 (2778)
11. Kerry Ewart (USA), 2227 (2236)

JH

PENTATHLON - 100 M. HURDLES

Records

World: 13.2, Margrit Herbst, E. Ger., 1971; 13.2w, Heide Rosendahl,
W. Ger., 1972
Meet: 13.51, N. Tkachenko, USSR, 1975

(In parenthesis are hand times)

<u>1ST HEAT</u>		<u>Pts.</u>	<u>Wind</u>
1.	Spasovoskioudskaya, Zoya (USSR), 13.83(13.6)	888(918)	1.5mps
2.	Nadezda Karyakina (USSR), 14.13(14.0)	850(866)	
3.	Terri Seippel (USA), 15.13(15.0)	734(748)	
4.	Sue Summers (Canada), 15.14(14.9)	733(759)	
5.	Liz McBlain (Canada), 15.21(15.0)	725(748)	
6.	Linda Cornelius (USA), 15.75(15.4)	670(705)	

<u>2ND HEAT</u>			<u>Wind</u>
1.	Nadezda Tkachenko (USSR), 13.8(13.7)	891(905)	.2 mps
2.	Patsy Walker, (USA), 14.87(14.8)	763(770)	
3.	Denise Cornell (USA), 15.24(15.2)	722(727)	
4.	Penny May (Can), 15.3(15.2)	716(727)	
5.	Laurie Hirst (CAN), 15.9(15.8)	655(665)	
6.	Kerry Zwart (USA), 15.91(15.8)	654(665)	
7.	Mary Harrington (USA), 16.11 (16.0)	635(645)	

Eliminated

Wind

OVERALL RESULTS - 100 M. HURDLES (and standings after one event)

1.	Nadezda Tkachenko - 891(905)	8.	Denise Cornell - 722(727)
2.	Zoya Spasovoskioudskaya - 888(918)	9.	Penny May - 716(727)
4.	Patsy Walker - 763(770)	10.	Linda Cornelius - 670(705)
5.	Terri Seippel - 734(748)	11.	Laurie Hirst - 655(665)
3.	Nadezda Karyakina - 850(866)	12.	Kerry Zwart - 654(665)
6.	Sue Summers - 733(759)	13.	Mary Harrington - 635(645)
7.	Liz McBlain - 725(748)		

PENTATHLON - SHOT PUT

Records

World: 17.16 (56'3½"), Irina Press, USSR, 1964
 Meet: 15.56 (51' ½"), N. Tkachenko, USSR, 1975

FLIGHT 1

	1st	2nd	3rd
Nadezda Tkachenko (USSR)	<u>14.87</u>	<u>14.81</u>	<u>15.80 (51'10")</u>
Zoya Spasovosknodskaya (USSR)	<u>13.95 (45'9½")</u>	12.52	13.34
Liz McBlain (CAN)	11.20	10.68	11.37 (37'3 3/4")
Sue Summers (CAN)	9.97	10.56	10.90 (35'9½")
Patsy Walker (USA)	10.41	10.46	10.50 (34'5½")
Teri Seippel (N/S-USA)	9.97 (32'8½")	9.35	Foul
Linda Cornelius (USA)	<u>8.73 (28'7 3/4")</u>	8.26	8.65

FLIGHT 2

	1st	2nd	3rd
Nadezda Karyakina (USSR)	11.73	12.26	<u>13.19 (43'3½")</u>
Kerry Zwart (USA)	Foul	<u>12.85 (42'2")</u>	12.49
Penny May (CAN)	12.14	<u>12.41 (40'8½")</u>	12.20
Denise Cornell (USA)	9.38	10.27	<u>10.86 (35'7½")</u>
Laurie Hirst (CAN)	9.69	<u>10.23 (33'6 3/4")</u>	10.06
Mary Harrington (USA)	<u>9.07 (29'9")</u>	8.53	Foul

SHOT PUT STANDINGS

1. Nadezda Tkachenko (USSR), 15.80 (51'10"), (939)
2. Zoya Spasovoskhodskaya (USSR), 13.95 (45'9½"), (835)
3. Nadezda Karyakina (USSR), 13.19 (43'3½"), (791)
4. Kerry Zwart (USA), 12.85 (42'2"), (771)
5. Penny May (CAN), 12.41 (40'8½"), (744)
6. Liz McBlain (CAN), 11.37 (37'3 3/4"), (679)
7. Sue Summers (CAN), 10.90 (35'9½"), (649)
8. Denise Cornell (USA), 10.86 (35'7½"), (647)
9. Patsy Walker (USA), 10.50 (34'5½"), (623)
10. Laurie Hirst (CAN), 10.23 (33'6 3/4"), (605)
11. Teri Seippel (USA), 9.97 (32'8½"), (587)
12. Mary Harrington (USA), 9.07 (29'9"), (524)
13. Linda Cornelius (USA), 8.73 (28'7 3/4"), (500)

STANDINGS AFTER TWO EVENTS

(In parenthesis hand times)

1. Nadezda Tkachenko (USSR), 1830 (1844)
2. Zoya Spasovoskhodskaya (USSR), 1723 (1753)
3. Nadezda Karyakina (USSR), 1641 (1657)
4. Penny May (CAN), 1460 (1471)
5. Kerry Zwart (USA), 1425 (1436)
6. Liz McBlain (CAN), 1404 (1427)
7. Patsy Walker (USA), 1386 (1393)
8. Sue Summers (CAN), 1382 (1408)
9. Denise Cornell (USA), 1369 (1374)
10. Teri Seippel (USA), 1321 (1335)
11. Laurie Hirst (CAN), 1260 (1270)
12. Linda Cornelius (USA), 1170 (1205)
13. Mary Harrington (USA), 1159 (1169)

PENTATHLON - HIGH JUMP

Records

World: 1.86 (6' 1 1/4"), Llona Gusenbauer, Austria, 1972
Meet: 1.81 (5' 11 1/4"), Diane Jones, Canada, 1975

	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.78
L. Cornelius (USA)	pass	X	X	OX	X	OX	000						
N. Karyakina (USSR)	pass	pass	pass	X	X	X	X	X	OX	000			
L. Hirst (CAN)	pass	pass	X	X	X	X	X	X	000				
D. Cornell (USA)	pass	pass	pass	pass	X	OX	X	X	000				
Z. Spasovskaya (USSR)	pass	X	X	X	X	X	X	000					
L. McBlain (CAN)	X	X	X	OX	00X	OX	000						
T. Seippel (N/S-USA)	pass	pass	pass	X	X	X	OX	X	000				
N. Tkachenko (USSR)	pass	pass	pass	pass	pass	X	X	X	X	OX	X	00X	00
P. May (CAN)	OX	X	X	X	X	X	00X	OX	000				
K. Zwart (USA)	X	X	X	X	X	X	000						
S. Summers (CAN)	pass	pass	pass	X	X	OX	X	OX	000				
P. Walker (USA)	pass	pass	pass	pass	X	X	X	X	OX	00X	X	00X	00
M. Harrington (N/S-USA)	pass	X	X	X	00X	00X	000						

HIGH JUMP STANDINGS

- tie between Nadezda Tkachenko (USSR) and Patsy Walker (USA), 1.75 (5'9"), (983)
- Nadezda Karyakina (USSR), 1.66 (5'5 1/2"), (895)
- tie between Laurie Hirst (CAN) and Denise Cornell (USA) and Teri Seippel (USA) and Penny May (CAN) and Sue Summers (CAN), 1.63 (5'4 1/2"), (865)
- Zoya Spasovoskhodskaya (USSR), 1.60 (5'3"), (834)
- tie between Linda Cornelius (USA) and Liz McBlain (CAN) and Kerry Zwart (USA) and Mary Harrington (USA), 1.57 (5'1 3/4"), (802)

STANDINGS AFTER THREE EVENTS

- Nadezda Tkachenko (USSR), 2813 points
- Zoya Spasovoskhodskaya (USSR), 2557
- Nadezda Karyakina (USSR), 2536
- Patsy Walker (USA), 2369
- Penny May (CAN), 2325
- Sue Summers (CAN), 2247
- Denise Cornell (USA), 2234
- Kerry Zwart (USA), 2227
- Liz McBlain (CAN), 2106
- Laurie Hirst (CAN), 2125
- Linda Cornelius (USA), 1917

PENTATHLON OVERALL STANDINGS FIRST DAY HAND TIMES

Nadezda Tkachenko (USSR), 2827
Zoya Spasovoskhodskaya (USSR), 2587
Nadezda Karyakina (USSR), 2552
Patsy Walker (USA), 2376
Penny May (CAN), 2336
Sue Summers (CAN), 2273
Denise Cornell (USA), 2239
Kerry Zwart (USA), 2238
Liz McBlain (CAN), 2229
Laurie Hirst (CAN), 2135
Linda Cornelius (USA), 2007

PENTATHLON - LONG JUMP

Records

World: 6.83w (22'5"), Heide Rosendahl, W. Ger., 1972
 Meet: 6.43 (21' 1 1/4"), N. Tkachenko, USSR, 1975

FLIGHT 1	1st	2nd	3rd
Nadezda Tkachenko (USSR)	<u>6.21 (20'4 1/2")</u>	5.99	Foul
Teri Seippel (USA-N/S)	5.38	4.92	<u>5.89 (19'4")</u>
Patsy Walker (USA)	<u>5.83 (19'1 1/2")</u>	5.82	5.67
Zoya Spas(ya) (USSR)	<u>5.71 (18'8 3/4")</u>	foul	foul
Liz McBlain (CAN)	5.40	5.24	<u>5.65 (18'6 1/2")</u>
Sue Summers (CAN)	<u>5.60 (18'4 1/2")</u>	5.43	5.52
Linda Cornelius (USA)	5.38	foul	<u>5.40 (17'8 1/2")</u>

FLIGHT 2			
Nadezda Karyakina (USSR)	foul	5.86	<u>6.13 (20'1 1/2")</u>
Laurie Hirst (CAN)	foul	5.55	<u>5.61 (18'5")</u>
Denise Cornell (USA)	5.49	<u>5.55 (18'2 1/2")</u>	5.48
Penny May (CAN)	foul	foul	<u>5.50 (18' 1/2")</u>
Mary Harrington (USA-N/S)	foul	<u>5.13 (16'10")</u>	scratch
Kerry Zwart (USA-injured)			

LONG JUMP STANDINGS

1. Nadezda Tkachenko (USSR), 6.21 (952)
2. Nadezda Karyakina (USSR), 6.13 (934)
3. Teri Seippel (USA), 5.89 (882)
4. Patsy Walker (USA), 5.83 (869)
5. Zoya Spasovoskhodskaya (USSR), 5.71 (842)
6. Liz McBlain (CAN), 5.65 (828)
7. Laurie Hirst (CAN), 5.61 (819)
8. Sue Summers (CAN), 5.60 (817)
9. Denise Cornell (USA), 5.55 (805)
10. Penny May (CAN), 5.50 (794)
11. Linda Cornelius (USA), 5.40 (771)
12. Mary Harrington (USA), 5.13 (708)

STANDINGS AFTER FOUR EVENTS

1. Nadezda Tkachenko (USSR), 3765 (3779)
2. Nadezda Karyakina (USSR), 3470 (3486)
3. Zoya Spasovoskhodskaya (USSR), 3399 (3429)
4. Patsy Walker (USA), 3238 (3245)
5. Penny May (CAN), 3119 (3130)
6. Sue Summers (CAN), 3064 (3090)
7. Denise Cornell (USA), 3039, (3044)
8. Liz McBlain (CAN), 3034 (3057)
9. Laurie Hirst (CAN), 2944 (2954)
10. Linda Cornelius (USA), 2743 (2778)
11. Kerry Zwart (USA), 2227 (2238)

PENTATHLON - 800 M.

Records

World: No Record
Meet: No Record

1ST HEAT

	Time	Pts.
1. Liz McBlain (CAN)	2.18 (2.18)	804 (805)
2. Laurie Hirst (CAN)	2.23 (2.23)	744 (747)
3. Sue Summers (CAN)	2.24 (2.24)	736 (741)
4. Denise Cornell (USA)	2.27 (2.27)	697 (783)
5. Linda Cornelius (USA)	2.33 (2.32)	638 (643)

2ND HEAT

1. Nadezda Tkachenko (USSR)	2.11 (2.11)	901 (904)
2. Nadezda Karyakina (USSR)	2.12 (2.12)	888 (891)
3. Teri Seippel (USA)	2.14 (2.13)	869 (872)
4. Zoya Spasovoskhodskaya (USSR)	2.16 (2.15)	840 (844)
5. Patsy Walker (USA)	2.24 (2.22)	734 (758)
6. Penny May (CAN)	2.30 (2.29)	670 (673)

800 METER STANDINGS

1. Nadezda Tkachenko (USSR)	2.11 (2.11)	901 (904)
2. Nadezda Karyakina (USSR)	2.12 (2.12)	888 (891)
3. Teri Seippel (USA)	2.14 (2.13)	869 (872)
4. Zoya Spasovoskhodskaya (USSR)	2.16 (2.15)	840 (844)
5. Liz McBlain (USA)	2.18 (2.18)	804 (805)
6. Laurie Hirst (CAN)	2.23 (2.23)	744 (747)
7. Sue Summers (CAN)	2.24 (2.24)	736 (741)
8. Patsy Walker (USA)	2.24 (2.22)	734 (758)
9. Denise Cornell (USA)	2.27 (2.27)	697 (783)
10. Penny May (CAN)	2.30 (2.29)	670 (673)
11. Linda Cornelius (USA)	2.33 (2.32)	638 (643)

STANDINGS AFTER FIVE EVENTS

1. Nadezda Tkachenko (USSR), 4666 (4683)
2. Nadezda Karyakina (USSR), 4358 (4377)
3. Zoya Spasovoskhodskaya (USSR), 4239 (4273)
4. Patsy Walker (USA), 3972 (4003)
5. Liz McBlain (CAN), 3838 (3862)
6. Sue Summers (CAN), 3800, (3831)
7. Penny May (CAN), 3789 (3800)
8. Denise Cornell (USA), 3736 (3747)
9. Laurie Hirst (CAN), 3688 (3701)
10. Linda Cornelius (USA), 3381 (3421)
11. Kerry Zwart (USA), 2227 (2238) (did not finish)

Non-scorers

Teri Seippel (USA), 3937 (3954)
Mary Harrington (USA), 2669 (2679) (did not finish)

PENTATHLON TEAM SCORES

	USA	USSR	CANADA
100 meter hurdles	2155	2629	2174
Shot Put	4180	5194	4246
High Jump	6830	7906	6778
Long Jump	9020	10634	9217
800 meters	11089	13263	11427