

The A.T.F.S.
OLYMPIC HANDBOOK

1964 Edition



By D. H. POTTS and R. L. QUERCETANI

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F O R E W O R D

The fifth edition of the A.T.F.S. OLYMPIC HANDBOOK appears in a somewhat unusual format. This may be less convenient than the old one, but the change was necessary for technical reasons in view of the fact that the book was being printed in the plant of TRACK AND FIELD NEWS.

The major part of the book is still devoted to a history of the Olympic Games -- Athens 1896 through Rome 1960. In a number of cases we have unearthed new details on some of the early editions of the Games. The All Time World List is as of 1 January 1964.

We wish to express our deep gratitude to Bert Nelson, whose friendly coöperation enabled us to keep up an old established tradition which otherwise might have been broken. We also wish to acknowledge assistance rendered by the Membership of the A.T.F.S.

We invite readers to point out to us any error or omission they may find in the following pages.

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Cover photo: Rafer Johnson, USA, left and Yang Chuan-kwang, Formosa, aid and console each other after the final event, the 1500 meters, in the 1960 decathlon where they finished one-two.

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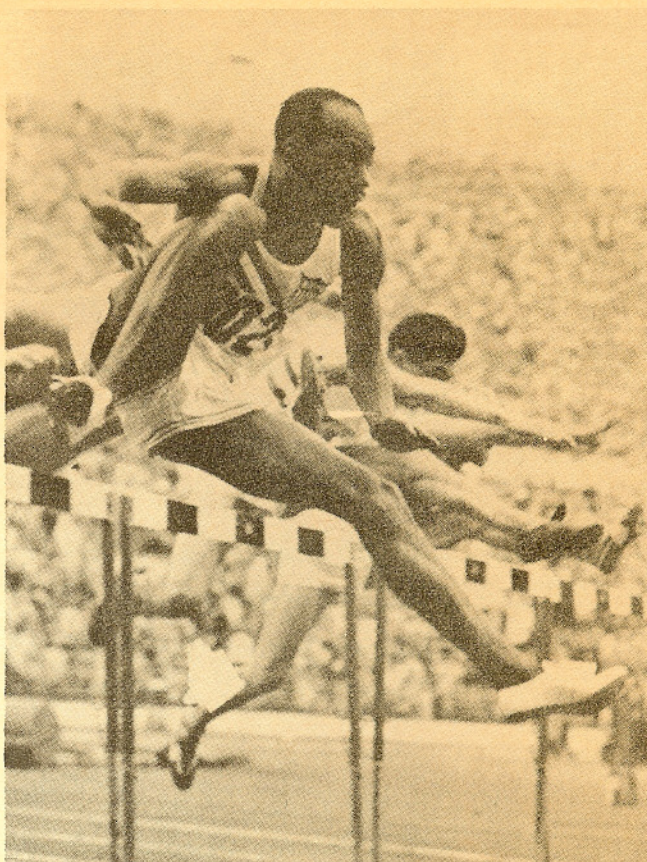
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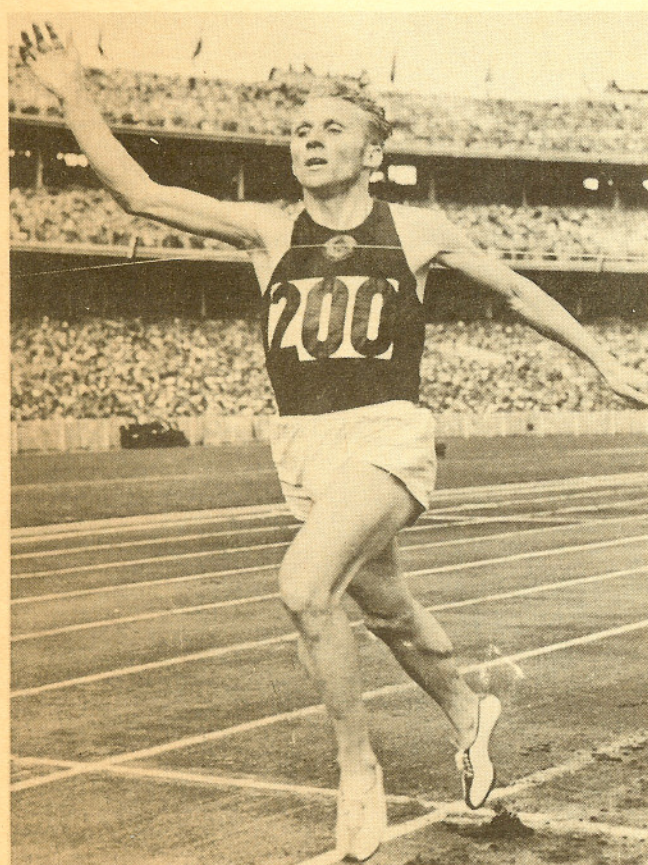
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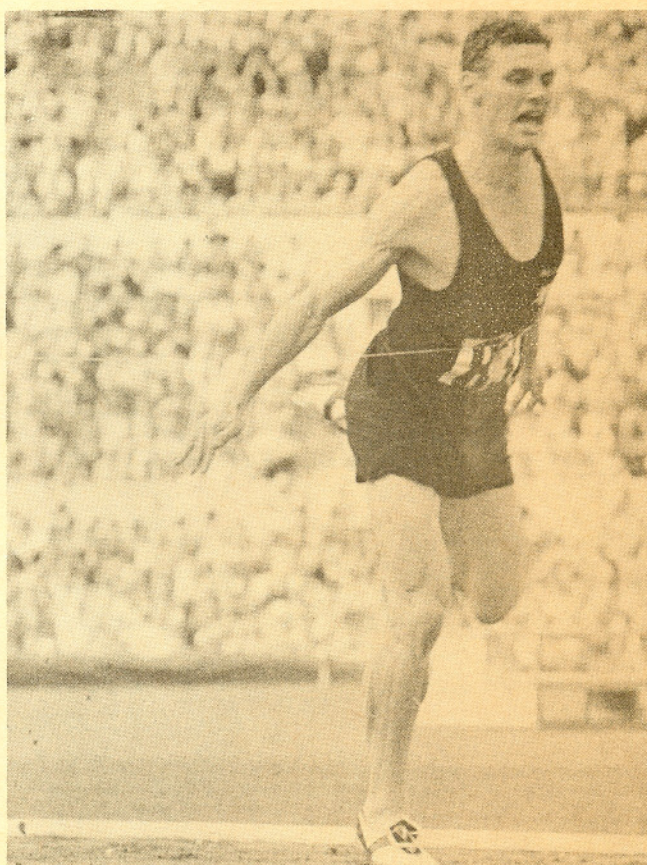
Emil Zatopek, Czechoslovakia, wins 1952 marathon for third gold medal.



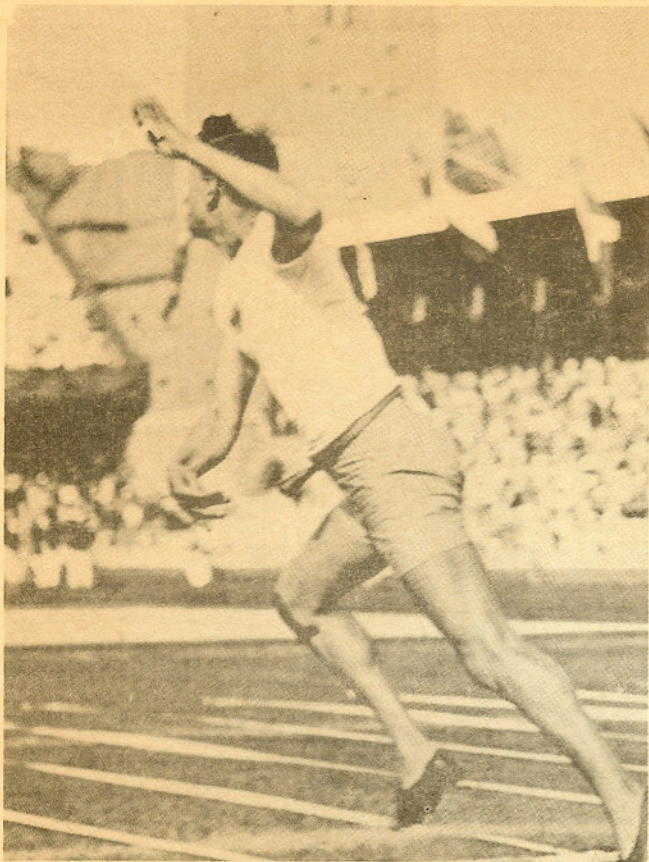
Harrison Dillard, USA, on his way to 1952 high hurdle victory.



Vladimir Kuts, USSR, captures 1956 10,000 meters in 28:45.6.



Peter Snell, New Zealand, wins 1960 800 meters in 1:46.3.



Erik Lemning, Sweden, won 1912 javelin with world record throw.



Ralph Rose, USA, winner of shot put in 1908, second in 1912.



Arnold Jackson, Great Britain, left, wins 1912 1500 meters from, left to right, John Paul Jones, USA, fourth; Abel Kiviat USA, second; Ernst Wide, Sweden, fifth; and Norman Taber, USA, third.

Olympic Games 1896-1960

Random Remarks on the Various Editions

ATHENS 1896 - The stadium was of antique origin (Stadium of Herodis) and was rebuilt for the Games. The track was 333.33 meters (3 laps to the kilometer) and had very sharp turns, which made it impossible to run fast times in the 400 meters and caused the officials to dispense with a 200 meters event. In addition, races were run in a clockwise direction. Most foreign competitors came to Athens on their own and the meet was in no way a true world championship.

PARIS 1900 - This edition of the Games became "Olympic" only at the last minute. The athletic program had been advertised merely as an international festival within the frame of the World Exhibition, but when French officials turned to de Coubertin for help in technical matters, help was given upon the condition that the Games would be "Olympic". Some of the athletes discovered this fact only when they found such noted on their victory medals! The quality of the entrants was far superior to that of the preceding Games, but facilities were very poor. The "track" was a 500-meters oval laid out on the grounds of the Racing Club de France in the Bois de Boulogne.

ST. LOUIS 1904 - The Games - held in conjunction with the World Exhibition - were certainly not world championships since there were few top-notch foreign entrants. The meet was in fact an American "interclub match". The track was a 556.45 meters (3 laps to the mile) oval. The weather was hot and humid.

LONDON 1908 - This was the first truly international championship in Olympic history. The newly laid track at Shepherd's Bush was 556.45 meters. The weather was quite bad, with frequent rains. During the marathon, however, it was hot and humid.

STOCKHOLM 1912 - From a technical standpoint, this edition of the Games was far above its predecessors. The 400 meters was run in lanes for the first time. Non-winning times were registered for most if not all competitors. Timing to the tenth of a second (later dropped until 1932) was introduced. The track was 383 meters.

ANTWERP 1920 - The newly laid 400-meters track at Champs de Beersshot, in itself not very fast, was further slowed by the rains which accompanied the greater part of the meet.

PARIS 1924 - Athletic events were held at Stade de Colombes, which had a running track of 500 meters (changed to 400 meters in 1938).

AMSTERDAM 1928 - The 400-meters (henceforth accepted as standard size for the Games) track was not very fast, and performances were below expectations.

LOS ANGELES 1932 - The fast Coliseum track yielded many first class marks. The weather was probably the best in Olympic history. There were, however, some technical deficiencies: e.g. non-winning times were never released.

BERLIN 1936 - From the standpoint of organization, this edition was the best up to that time. Details of every heat, jump or throw were, for the first time, committed to posterity. The track proved consistently good, despite varying weather conditions.

LONDON 1948 - Just like in 1908, the London weather was bad on several days, yet the track at Wembley - specially laid out for the Games - proved Britain's fastest up to that time.

HELSINKI 1952 - Technical facilities and organization were above reproach in almost every respect. The track proved very fast, despite occasional showers.

MELBOURNE 1956 - This edition was partly marred by unsettled weather, windy and cool days alternating with others of bright sunshine. The newly laid Cricket Ground track proved fairly fast. Field event installations were not always up to par.

ROME 1960 - Track and runways were excellent. The ever-changing weather, with occasional cloudbursts, could not prevent record performances galore. For the first time, non-winning times were adjusted on the basis of intervals between runners on the electric timer.

100 METERS

1896 (10 April) - 21 competitors. I. Round (6 April): 3 heats (the first two in each qualified). Burke ran the third heat in 11 4/5 (OR). Thomas Curtis (USA), winner of the second heat, withdrew from the final.

1. Thomas Burke	USA	12 flat
2. Fritz Hofmann	Germany	
3. Alajos Szokolai	Hungary	
4. Francis Lane	USA	
5. Alexandros Halkokondilis	Greece	

1900 (14 July) - 19 competitors. I. Round (14 July): 6 heats. II. Round (14 July): 4 semi-finals (winners only qualified). Jarvis ran the third heat in 10 4/5 (OR), which time was equaled by Tewksbury in the second semi-final. The favorite was Duffey, the "World's Fastest Human", who had just won the British AAA 100 yards title from Jarvis and Tewksbury. In the final, he went into the lead early but at 50 meters he suddenly dropped to the ground with a strained tendon. Jarvis crossed the finish line first, closely pursued by Tewksbury, who edged Rowley for second.

1. Frank Jarvis	USA	11 flat
2. John Tewksbury	USA	
3. Stan Rowley	Australia	
Arthur Duffey (USA)		did not finish

1904 (3 September) - 15 competitors. I. Round (3 September): 3 heats (the first two in each qualified). The only non-USA entrant in this event was Béla de Mezö of Hungary. In the final, Hahn was away at the gun and was never headed. Cartmell, a slow starter, closed a bit in the last 25 meters but to no avail. A strong adverse wind prevented the winner from matching the Olympic record.

1. Archie Hahn	USA	11 flat
2. Nathan Cartmell	USA	
3. William Hogenson	USA	
4. Fay Moulton	USA	
5. Fred Heckwolf	USA	
6. Lawson Robertson	USA	

1908 (22 July) - 57 competitors. I. Round (20 July): 17 heats (winners only qualified). II. Round (21 July): 4 semi-finals (winners only qualified). Rector tied the Olympic record (10 4/5) in his heat and again in the semi-final. Walker too did 10 4/5 in his semi-final. In the decisive race, Walker was the early leader, while Kerr got off badly. At 50 meters Rector just passed Walker, the others being close up. Then Walker spurred magnificently, got level with Rector, and shot ahead near the end to win by the better part of a meter. Rector was only centimeters ahead of Kerr, while Cartmell trailed by about 2 meters.

1. Reginald Walker	South Africa	10 4/5 (=OR)
2. James Rector	USA	
3. Robert Kerr	Canada	
4. Nathan Cartmell	USA	

1912 (7 July) - 68 competitors. I. Round (6 July): 17 heats (the first two in each qualified). II. Round (6 July): 6 semi-finals (winners only qualified). In the 16th heat, Lippincott set a new Olympic and world record of 10.6. In

the next round, Craig caused the elimination of Europe's top man, Richard Rau of Germany, while Lippincott did likewise to the British champion, William Applegarth. Meyer, Craig and Lippincott all did 10.7 in their semi-finals. Howard Drew (USA) strained a tendon in winning the first semi-final in 11.0 and did not compete in the decisive race. There were eight false starts in the final. At the right one, Patching soon forged ahead and had a 1/2 meter lead at 40 meters. Then Craig began to close, caught Patching at 60 meters, and was a fraction ahead at 75 meters. Meyer was then practically even with Patching, while the other two were a 1/2 meter back. Craig pulled away in the closing stage to win by 60 centimeters. Lippincott just caught Patching on the line and finished 15 centimeters behind Meyer.

1. Ralph Craig	USA	10.8
2. Alvah Meyer	USA	10.9
3. Donald Lippincott	USA	10.9
4. George Patching	South Africa	
5. Frank Belote	USA	

1920 (16 August) - 59 competitors. I. Round (15 August): 12 heats (the first two in each qualified). II. Round (15 August): 5 quarter-finals (the first two in each qualified). III. Round (16 August): 2 semi-finals (the first three in each qualified). In the qualifying rounds, a time of 10 4/5 was returned by Paddock (three times), Scholz and Edward (each twice) and Murchison (once). In the final, the Clerk of the Course cautioned Paddock not to put his hands over the mark just as the men were about to start. Murchison, accustomed to the methods of American starters in similar instances, expected an order to "stand up" and proceeded to arise just as the others were off. Naturally, he was never in the race and finished a distant last. At 50 meters, Scholz led Edward by 60 centimeters, with Kirksey and Paddock close. All four came fast, Paddock using his characteristic "jump" finish to beat Kirksey by 30 centimeters. At first, Scholz was ranked fifth behind Ali Khan. Later, however, the judges placed Scholz fourth. And some observers at the finish were convinced that he had actually finished third.

1. Charles Paddock	USA	10 4/5
2. Morris Kirksey	USA	
3. Harry Edward	Great Britain	
4. Jackson Scholz	USA	
5. Ali Khan	France	
6. Loren Murchison	USA	

1924 (7 July) - 82 competitors. I. Round (6 July): 17 heats (the first two in each qualified). II. Round (6 July): 6 quarter-finals (the first two in each qualified). III. Round (7 July): 2 semi-finals (the first three in each qualified). In the second round, Abrahams equaled the Olympic record (10 3/5). He repeated this time the next day in his semi-final, despite a very poor start. In the final, the draw put Paddock on the inside, with Scholz, Murchison, Abrahams, Bowman and Porritt next in that order. The starter dispatched the runners to a magnificent start at the very first attempt. At 25 meters they were all together, but at 50 meters Abrahams was clear of Scholz and Bowman. The English champion held his lead right to the tape and won by 60 centimeters. Porritt finished with an astounding burst to nip Bowman for the third place. The winner's time was recorded as 10.52 on 1/100th-second timing.

1. Harold Abrahams	Great Britain	10 3/5 (=OR)
2. Jackson Scholz	USA	
3. Arthur Porritt	New Zealand	
4. Chester Bowman	USA	
5. Charles Paddock	USA	
6. Loren Murchison	USA	

1928 (30 July) - 76 competitors. I. Round (29 July): 16 heats (the first two in each qualified). II. Round (29 July): 6 quarter-finals (the first two in each qualified). III. Round (30 July): 2 semi-finals (the first three in each qualified). In the second round, Williams clocked 10 3/5 (=OR). McAllister won the first semi-final in 10 3/5 from Williams, while London took the second semi-final, also in 10 3/5. The order of the stations at the start was: next to the stand Wykoff, then McAllister, London, Williams, Lammers, Legg. At the first attempt to get the men off, Legg broke, and on the second occasion Wykoff was the offender. The third time, however, the men were away together, with Williams immediately going into the lead. He stayed in front all the way and won by 60 centimeters. Perhaps 30 centimeters separated second from fifth. McAllister strained a tendon and finished last.

1. Percy Williams	Canada	10 4/5
2. Jack London	Great Britain	
3. Georg Lammers	Germany	
4. Frank Wykoff	USA	
5. Wilfred Legg	South Africa	
6. Robert McAllister	USA	

1932 (1 August) - 32 competitors. I. Round (31 July): 7 heats (the first three in each qualified). II. Round (31 July): 4 quarter-finals (the first three in each qualified). III. Round (1 August): 2 semi-finals (the first three in each qualified). In the second round, Tolan set a new Olympic record of 10.4. The semi-finals were won by Tolan (10.7) and Metcalfe (10.6). In the final, Yoshioka was in lane 1, with Joubert, Metcalfe, Simpson, Jonath and Tolan next in that order. Joubert broke on the first attempt, but the field was off well on the next try. Yoshioka, perhaps the world's fastest starter, was off in front, but even Tolan and Metcalfe, usually indifferent starters, were off well for once. At 40 meters the Japanese was clearly in front, but Tolan began to move up and soon pulled even. The others were a meter back, almost abreast. Then Metcalfe shot forward. At 60 meters, Yoshioka faded, and Tolan still had 30 centimeters on Metcalfe. The latter pulled even at 80 meters and the two struggled mightily over the final 20 meters and hit the tape virtually even. Close observers did not know who had won. Finally it was announced that Tolan was the winner. Movies later showed the margin of victory to be one inch (2.5 centimeters). Curiously enough, two watches caught Tolan in 10.3, one in 10.4, while Metcalfe was caught in 10.3 on all three watches. Jonath finished about one meter back, nipping Simpson for third place.

1. Eddie Tolan	USA	10.3 (=WR)
2. Ralph Metcalfe	USA	10.3
3. Arthur Jonath	Germany	10.4
4. George Simpson	USA	
5. Daniel Joubert	South Africa	
6. Takayoshi Yoshioka	Japan	

1936 (3 August) - 63 competitors. I. Round (2 August): 12 heats (the first two in each qualified). II. Round (2 August): 4 quarter-finals (the first three in each qualified). III. Round (3 August): 2 semi-finals (the first three in each qualified). Owens won the 12th heat in 10.3, aided by a legal wind of 1.7 m/s. In the second round he improved to 10.2, with an assisting wind of 2.3 m/s. The following day he won the first semi-final in 10.4, while Metcalfe took the second semi-final in 10.5. In the final Owens was in lane 1, with Strandberg, Borchmeyer, Osendarp, Wykoff and Metcalfe next in that order. Owens was off with the gun and had a lead of nearly 2 meters at the half-way mark. In the last 25 meters Metcalfe, who was off poorly, closed the gap to some extent, but was still a meter back at the finish, although a meter and a half in front of Osendarp. Strandberg strained a tendon at 80 meters and came home last. During semi-finals and final, the wind was said to be 2.7 m/s, diagonal from behind.

1. Jesse Owens	USA	10.3
2. Ralph Metcalfe	USA	10.4

3. Martinus Osendarp	Holland	10.5
4. Frank Wykoff	USA	
5. Erich Borchmeyer	Germany	
6. Lennart Strandberg	Sweden	

1948 (31 July) - 64 competitors. I. Round (30 July): 12 heats (the first two in each qualified). II. Round (30 July): 4 quarter-finals (the first three in each qualified). III. Round (31 July): 2 semi-finals (the first three in each qualified). The fastest time in the heats was Dillard's 10.4, which he duplicated in the second round. The other quarter-finals were won by the three pre-meet favorites: Ewell (10.5), Patton (10.4) and LaBeach (10.5). The semi-finals were won by Dillard (10.5) and Patton (10.4). In the final, Patton was on the inside, with Ewell, LaBeach, McCorquodale, McD. Bailey and Dillard next in that order. There was one break and then the field was off together. Patton and McD. Bailey lost ground in the early running and were never in the race after that. Dillard grabbed an early lead and held it to the tape. Ewell never saw Dillard and thought he had won in beating out LaBeach and Patton, who were on either side of him. But the photo finish showed Dillard clearly in front. The official place times were obviously in error and the times below are based on the phototimer.

1. Harrison Dillard	USA	10.3 (=OR)
2. Norwood Ewell	USA	10.4
3. Lloyd LaBeach	Panama	10.4
4. Alistair McCorquodale	Great Britain	10.4
5. Melvin Patton	USA	10.5
6. Emmanuel McDonald Bailey	Great Britain	10.6

1952 (21 July) - 71 competitors. I. Round (20 July): 12 heats (the first two in each qualified). II. Round (20 July): 4 quarter-finals (the first three in each qualified). III. Round (21 July): 2 semi-finals (the first three in each qualified). McD. Bailey and Remigino both ran 10.4 in their heats. That time was duplicated in the second round by Smith and Remigino himself. The semi-finals were won by McD. Bailey (10.5) and McKenley (10.4). In the final, Sukharyev was on the inside with McKenley, Remigino, Smith, McD. Bailey and Treloar next in that order. The entire field came out of the blocks well, with Smith slightly ahead. But Remigino quickly moved to the front and had a good lead at 50 meters. Smith and McD. Bailey were in close pursuit. McKenley finally got into stride and rushed past those two and Remigino just as the four went into the tape. But Remigino had made a last ditch lunge at the finish that gave him the victory by about an inch (2.5 centimeters), as was revealed by the phototimer. McD. Bailey was only three inches (7.5 centimeters) back of McKenley and Smith another inch behind in fourth spot.

1. Lindy Remigino	USA	10.4
2. Herbert McKenley	Jamaica	10.4
3. Emmanuel McDonald Bailey	Great Britain	10.4
4. Dean Smith	USA	10.4
5. Vladimir Sukharyev	USSR	10.5
6. John Treloar	Australia	10.5

1956 (24 November) - 65 competitors. I. Round (23 November): 12 heats (the first two in each qualified). II. Round (23 November): 4 quarter-finals (the first three in each qualified). III. Round (24 November): 2 semi-finals (the first three in each qualified). The fastest time in the heats was Morrow's 10.4 (no wind). In the second round he improved to 10.3 (adverse wind: 1.4 m/s), which time was duplicated by Murchison (no wind). The semi-finals were won by Murchison (10.5) and Morrow, who again equaled the Olympic record, 10.3 (adverse wind: 1.1 m/s). There was a cold, adverse wind of 5 m/s during the final, which was run two hours later. At the start Murchison was on the inside with Agostini, Baker, Morrow, Gernar and Hogan next in that order. At the gun Hogan got off in front of the rest and steamed away from the field. Morrow set out in hot pursuit, his powerful strides steadily closing the gap. He passed Hogan at 50 meters and strode away with no one else getting close. Murchison and Baker ran hard in an effort to catch Hogan and were second and third respectively with 25 meters to go. But in the final stages Hogan rallied and Murchison faded. Baker just saved second place by a frantic forward lean. Gernar appeared to be closing ground on all in the final 20 meters and took fifth place. The official place times, obviously in error, were corrected by the AAU of Australia to the version given below. It should be noted, however, that according to the Racend Omega Phototimer Baker's time certainly was no better than 10.6.

1. Bobby Morrow	USA	10.5
2. Thane Baker	USA	10.5
3. Hector Hogan	Australia	10.6
4. Ira Murchison	USA	10.6
5. Manfred Gernar	Germany	10.7
6. Michael Agostini	Trinidad	10.7

1960 (1 September) - 61 competitors. I. Round (31 August): 9 heats (the first three in each qualified). II. Round (31 August): 4 quarter-finals (the first three in each qualified). III. Round (1 September): 2 semi-finals (the first two in each qualified). There was a light adverse wind (ranging from 0.14 to 0.46 m/s) during the heats: the fastest time in this round was 10.4, by Figueroa, Horacio Estevez of Venezuela, Dennis Johnson of Jamaica, Radford, and Budd. The second round saw the elimination of Edward Jefferys, a 10.2 man from South Africa, and Abdou Seye of France. The latter was involved in a blanket finish with Harry Jerome, Radford and Seraphino Antao of Kenya, who were classified in that order - the time for all four (against a 2.31 m/s wind) being 10.4. In the second quarter-final, Hary lowered the Olympic record to 10.2 in winning from Sime, 10.3 (adverse wind 0.32 m/s). In the first of the semi-finals the next day one of the favorites, Harry Jerome of Canada, co-holder with Hary of the world record of 10.0, was eliminated. He was in front when he pulled a muscle and had to give up at 50 meters. Radford won the race in 10.4 from Figueroa (10.4) and Budd (10.5). In the second semi-final, Hary led all the way and won in 10.3 from Sime (10.4) and Norton (10.4), who finished strongly to shut David Jones of Britain (10.4) out of the final. The lane assignments for the decisive race were: 1. Sime, 2. Budd, 3. Norton, 4. Figueroa, 5. Radford, 6. Hary. At the first starting attempt both Sime and Hary appeared to jump, but the gun was not fired. At the next attempt, Hary "broke" and the recall gun was fired. However, at the final starting attempt the German ace was off fairly. Yet he soon managed to build up a substantial lead: in fact he had a meter lead in the first five meters. Sime was a hopeless last in the early part of the race. But he came like the wind in the closing stages. He closed tremendously but could not quite catch the flying Hary, who won by almost half a meter. Radford displayed a tremendous closing burst to edge Figueroa for the bronze medal. The starter's intervals in the final were: 19.30 seconds between "ai vostri posti!" (Get to your marks!) and "pronti!" (Get set), and 1.50 seconds between "pronti!" and the bang. There was absolutely no wind during the semi-finals and final.

1. Armin Hary	Germany	10.2 (=OR)
2. David Sime	USA	10.2
3. Peter Radford	Great Britain	10.3
4. Enrique Figueroa	Cuba	10.3
5. Frank Budd	USA	10.3
6. Jay Norton	USA	10.4

200 METERS

1896 - Event not held.

1900 (22 July) - 15 competitors. One preliminary round. In the final Tewksbury won by 5 meters, with Pritchard edging Rowley for second by a meter.

1. John Tewksbury	USA	22 1/5 (OR)
2. Norman Pritchard	India	
3. Stan Rowley	Australia	

1904 (31 August) - 7 competitors. I. Round: 2 heats (the first two in each qualified). The race was run on a straight course. In the first heat, Hahn equaled the Olympic record of 22 1/5. At the start of the final, Hahn made a false move, pulling the other three off their marks. The men were set back one yard for this infraction. At the gun Hahn was off "like a shell out of a coast gun" and soon had a substantial lead. At 20 meters Cartmell, off last was 6 meters behind Hahn. At 70 meters Cartmell really began to move and passed Hogenson and Moulton. Hahn, sensing the challenge, put on a delayed burst and managed to win by 2 meters.

1. Archie Hahn	USA	21 3/5 (OR)
2. Nathan Cartmell	USA	
3. William Hogenson	USA	
4. Fay Moulton	USA	

1908 (23 July) - 43 competitors. I. Round (21 July): 15 heats (winners only qualified); II. Round (22 July): 4 semi-finals (winners only qualified). Kerr a 5'7 1/2 (1.71 m) Irish-born Canadian, ran the fastest heat with 22 1/5. The semi-finals were hotly contested. In the final Kerr led at the start, but entering the straight Cloughen and Cartmell began to close on him. Yet Kerr managed to stay in front and won by no more than 20 centimeters, with Cloughen edging Cartmell for second by 30 centimeters.

1. Robert Kerr	Canada	22 3/5
2. Robert Cloughen	USA	
3. Nathan Cartmell	USA	
4. G.A. Hawkins	Great Britain	

1912 (11 July) - 60 competitors. I. Round (10 July): 18 heats (the first two in each qualified). II. Round (10 July): 6 semi-finals (winners only qualified). Among those who were eliminated in the hotly contested semi-finals was the American champion, Alvah Meyer. In the final Applegarth was on the pole, with Reidpath, Young, Craig, Rau and Lippincott next in that order. At the start Rau was off a shade behind the others. On coming out of the curve Applegarth had a slight lead. But Craig and Lippincott soon came abreast of the British champion. With 80 meters to go Craig had taken the lead, with Lippincott close behind him. Craig was a safe winner 40 meters from the finish, although hard pressed by Lippincott in the final stages. The struggle between Applegarth and Rau for third place was hot, but the Briton finally proved the stronger of the two.

1. Ralph Craig	USA	21.7
2. Donald Lippincott	USA	21.8
3. William Applegarth	Great Britain	22.0
4. Richard Rau	Germany	22.2
5. Charles Reidpath	USA	
6. Donnell Young	USA	

1920 (20 August) - 45 competitors. I. Round (19 August): 12 heats (the first two in each qualified). II. Round (19 August): 5 quarter-finals (the first two in each qualified). III. Round (20 August): 2 semi-finals (the first three in each qualified). The fastest time in the quarter-finals was Edward's 22.0. This competitor suffered a muscle injury in the next round yet managed to qualify for the final. In the decisive race Paddock was off in front and led entering the straight, with Woodring in close attendance. As they neared the tape Paddock gathered for his characteristic "jump" and Woodring shot past him to take the race. Edward, off poorly, surprisingly held off Murchison for third place.

1. Allen Woodring	USA	22 flat
2. Charles Paddock	USA	
3. Harry Edward	Great Britain	
4. Loren Murchison	USA	
5. George Davidson	New Zealand	
6. Jack Oosterlaak	South Africa	

1924 (9 July) - 62 competitors. I. Round (8 July): 17 heats (the first two in each qualified). II. Round (8 July): 6 quarter-finals (the first two in each qualified). III. Round (9 July): 2 semi-finals (the first three in each qualified). The fastest time in the preliminary rounds was 21 4/5, returned by Kingsman (South Africa) and Norton (USA) in the heats, by Carr (Australia), Scholz and Hill in the quarter-finals, and by Scholz and Paddock in the semi-finals. Abrahams had to fight hard to qualify for the final and eventually caused the elimination of Carr. In the final, Norton was on the inside, with Abrahams, Hill, Scholz, Liddell and Paddock next in that order. The runners were off to a fine start at the very first attempt. As the field entered the straight they were all level, save Abrahams, who trailed by about half a meter. After a tremendous struggle down the straight, Scholz emerged the winner by a half meter, with Paddock 1 1/2 meters ahead of Liddell. The next two were very close while Abrahams, the 100 meters champion, was never in the hunt.

1. Jackson Scholz	USA	21 3/5 (=OR)
2. Charles Paddock	USA	
3. Eric Liddell	Great Britain	
4. George Hill	USA	
5. Bayes Norton	USA	
6. Harold Abrahams	Great Britain	

1928 (1 August) - 62 competitors. I. Round (31 July): 15 heats (the first two in each qualified). II. Round (31 July): 6 quarter-finals (the first two in each qualified). III. Round (1 August): 2 semi-finals (the first three in each qualified). In the second round Körnig and Williams had to fight hard to beat out 20-year-old James Carlton of Australia and Charles Borah, the American champion. In that race Körnig equaled the Olympic record of 21 3/5. The next round saw the elimination of two other leading contenders from USA, Paddock and Cumming, thus leaving only the defending champion, Scholz, in the final of this traditionally "American" event. In the decisive race, Schüller was on the inside, with Williams, Rangeley, Körnig, Scholz and Fitzpatrick next in that order. Körnig entered the straight in front, with Scholz in close attendance. With 50 meters to go Williams and Rangeley went past the German champion. In the closing meters Williams, 20, pulled away to win by 60 centimeters. The judges could not separate Körnig and Scholz and bracketed them for third place. Later they decided on a run-off. Scholz declined, and third place was thus given to Körnig. A photo of the finish shows that Körnig was clearly third anyway.

1. Percy Williams	Canada	21 4/5
2. Walter Rangeley	Great Britain	
3. Helmut Körnig	Germany	
4. Jackson Scholz	USA	
5. John Fitzpatrick	Canada	
6. Jakob Schüller	Germany	

1932 (3 August) - 25 competitors. I. Round (2 August): 7 heats (the first two in each qualified). II. Round (2 August): 4 quarter-finals (the first three in each qualified). III. Round (3 August): 2 semi-finals (the first three in each qualified). In the second round, Metcalfe and Tolan beat the Olympic record, both with 21.5, only to have Bianchi Luti and Jonath improve the mark to 21.4. The semi-finals were won by Metcalfe and Jonath (both 21.5). In the final

Bianchi Luti (lane 4) was first off the marks, but when the field entered the straight Simpson (lane 3) led by 60 centimeters, with Tolan (lane 1) second. The two Americans battled down the straight for 50 meters, then Tolan went ahead to win by 2 meters. Metcalfe (lane 2) came up near the end to nip Jonath (lane 6) for third. Later, news filtered through to the effect that Metcalfe had been given a handicap of about a meter because of a deplorable error in the measurement of his lane. Yet he refused to ask for a re-run, since he did not wish to jeopardize Uncle Sam's medal monopoly.

1. Eddie Tolan	USA	21.2 (OR)
2. George Simpson	USA	21.4
3. Ralph Metcalfe	USA	21.5
4. Arthur Jonath	Germany	
5. Carlos Bianchi Luti	Argentina	
6. William Walters	South Africa	

1926 (5 August) - 44 competitors. I. Round (4 August): 8 heats (the first three in each qualified). II. Round (4 August): 4 quarter-finals (the first three in each qualified). III. Round (5 August): 2 semi-finals (the first three in each qualified). Owens beat the Olympic record in the first round with 21.1. He equaled this time in the second round, assisted by a 3.7 m/s wind. The semi-finals were won by Robinson (21.1, with the aid of a 3.0 m/s wind) and Owens, who coasted to an easy 21.3. The final was held under a threatening sky, with a drizzle coming down as the runners approached the starting line. The wind had dropped a bit, shifting to a diagonal direction from behind in the straight. Owens (lane 3) soon drew level with Robinson (lane 4) and led by about 1 1/2 meters entering the straight. In his seemingly effortless style he increased his lead further and won easily. Hänni (lane 5) closed fast near the end but could not catch Osendarp (lane 1).

1. Jesse Owens	USA	20.7 (OR)
2. Mack Robinson	USA	21.1
3. Martinus Osendarp	Holland	21.3
4. Paul Hänni	Switzerland	
5. Lee Orr	Canada	
6. Winand van Beveren	Holland	

1948 (3 August) - 53 competitors. I. Round (2 August): 12 heats (the first two in each qualified). II. Round (2 August): 4 quarter-finals (the first three in each qualified). III. Round (3 August): 2 semi-finals (the first three in each qualified). Mckenley and Bourland returned 21.3 in the first round and again in the second round. These two were also the winners of the semi-finals. But in the final neither could beat any of the pre-meet favorites: Patton, Ewell, LaBeach. In the decisive race Patton (lane 2) was off with the gun and pulled away from Mckenley (lane 1), entering the straight with nearly 2 meters lead. But Ewell (lane 4) and LaBeach (lane 3) set out in hot pursuit. Ewell crept up as they flew down the stretch. Just as he was about to catch Patton the latter rallied with a closing burst to win by 60 centimeters.

1. Melvin Patton	USA	21.1
2. Morwood Ewell	USA	21.1
3. Lloyd LaBeach	Panama	21.2
4. Herbert Mckenley	Jamaica	
5. Clifford Bourland	USA	
6. Leslie Laing	Jamaica	

1952 (23 July) - 71 competitors. I. Round (22 July): 18 heats (the first two in each qualified). II. Round (22 July): 6 quarter-finals (the first two in each qualified). III. Round (23 July): 2 semi-finals (the first three in each qualified). McD. Bailey ran 21.0 in the third quarter-final, and Stanfield did 20.9 in the fifth. These two were the semi-final winners the next day. In the final the pole lane was open, with Bönnhoff in lane 2, then Stanfield, McD. Bailey, Laing, Gathers and Baker next in that order. McD. Bailey got a good start while Laing was off poorly. Stanfield led as they entered the straight, with Baker almost even with him and Gathers fourth just behind McD. Bailey. But McD. Bailey lost form in the stretch and was soon out of contention. Stanfield, smooth and steady, won comfortably from Baker, who finished well clear of Gathers in spite of the official times. McD. Bailey was a close fourth.

1. Andy Stanfield	USA	20.7 (=OR)
2. Thane Baker	USA	20.8
3. James Gathers	USA	20.8
4. Emmanuel McDonald-Bailey	Great Britain	21.0
5. Leslie Laing	Jamaica	21.2
6. Gerardo Bönnhoff	Argentina	21.3

1956 (27 November) - 67 competitors. I. Round (26 November): 12 heats (the first two in each qualified). II. Round (26 November): 4 quarter-finals (the first three in each qualified). III. Round (27 November): 2 semi-finals (the first three in each qualified). The main items of note in the first round were an eased-up 21.1 win by Abdul Khalif of Pakistan and Morrow's bandaged thigh, due to a slight groin pull sustained in the 100 meter final. In the quarter-finals, Khalif again clocked 21.1 in beating Agostini, who was also timed in 21.1. Stanfield took the second quarter-final in 21.1, Baker the third in 21.2, and Morrow the fourth and last in an eased-up 21.9. In the first semi-final, Baker (21.1), Morrow (21.3) and Telles eliminated Khalif, while Stanfield took the other semi-final in 21.2. In the final Morrow got the "break" in the lane assignment, being placed in lane 3 where he could watch his chief rivals Stanfield (lane 4) and Baker (lane 6). Agostini was in lane 1, Tokaryev in 2, and Telles in 5. At the gun all were off well and no one was coasting the turn. Coming into the straight the three Americans were in front though. Then Morrow shot away from the others and soon had a big lead. Stanfield strained mightily but futilely to close the gap. Baker had no trouble nailing the third spot.

1. Bobby Morrow	USA	20.6 (OR)
2. Andy Stanfield	USA	20.7
3. Thane Baker	USA	20.9
4. Michael Agostini	Trinidad	21.1
5. Boris Tokaryev	USSR	21.2
6. José Telles da Conceicao	Brazil	21.3

1960 (3 September) - 62 competitors. I. Round (2 September): 12 heats (the first two in each plus the 3 fastest thirds qualified). II. Round (2 September): 4 quarter-finals (the first three in each qualified). III. Round (3 September): 2 semi-finals (the first three in each qualified). The program listed an even six dozen entrants, but 10 of these scratched including Armin Harry, the winner of the 100 meters, Milkha Singh of India and Harry Jerome, injured. In the first round, Berruti had the fastest time (21.0). Manfred Germar of Germany, the European champion, confirmed his lack of form and was eliminated. In the second round, Seye and Berruti both did 20.8 in winning their respective heats. Seye duplicated that time in the first semi-final the next day to win easily from Foik (21.0) and Carney (21.1) who shut Edward Jefferys of South Africa (21.3) out of the final. The second semi-final featured some bad seeding, pitting the three holders of the world record, Norton, Johnson and Radford, against another leading candidate, Berruti. This last tore around the turn to lead at the straight and went on to win easily in the world record equalling time of 20.5. Norton was an easy second (20.7) and Johnson overhauled Radford to take third place (20.8). The Briton returned 20.9 - the fastest non-qualifying time in Olympic history. The lane assignments for the final were: 1. vacant, 2. Foik, 3. Seye, 4. Johnson, 5. Berruti, 6. Norton, 7. Carney. There was one "jump" with both Johnson and Berruti getting off first but it was not charged to either. At the next attempt the runners were off well. Berruti again tore around the turn to lead into the straight. He continued to run strongly and was never headed. Norton also ran

the turn hard and was second with 80 meters to go. However, he had nothing left. Johnson came off the turn fourth yet he failed to show the stretch drive expected of him (it was later learned that he ran with a temperature). Carney, running in his favorite outside lane, was third into the straight, passed Norton and closed slightly on Berruti in the final part of the race. Seye, who made the mistake of running too easily on the turn, moved up into the straight to get the third spot and just managed to stay in front of the fast-closing Foik in the final stages. The time for Berruti was again 20.5. His victory margin vis-à-vis Carney on the electric timer was 0.08 sec. (20.62 vs. 20.70). The starter's intervals were: 17.60 secs. between "Al vostri posti!" (Get to your marks!) and "pronti!" ("Get set") and 1.60 sec. between "pronti" and the bang.

1. Livio Berruti	Italy	20.5 (=WR)
2. Lester Carney	USA	20.6
3. Abdoulaye Seye	France	20.7
4. Marian Foik	Poland	20.8
5. Stone Johnson	USA	20.8
6. Ray Norton	USA	20.9

400 METERS

1896 (7 April) - 16 competitors. I. Round (6 April): 2 heats (the first two in each qualified). Jamison was the fastest qualifier with a time of 56 4/5. In the final the next day, Hofmann was the early leader, but as they entered the straight Burke easily ran away from the others to win by a most comfortable margin. Both Jamison and Gmelin went past the tiring Hofmann in the closing stages.

1. Thomas Burke	USA	54 1/5 (OR)
2. Herbert Jamison	USA	
3. Charles Gmelin	Great Britain	
4. Fritz Hofmann	Germany	

1900 (15 July) - 15 competitors. I. Round (14 July): 3 heats (the first two in each qualified). Long was the fastest qualifier with a time of 50 2/5 (OR). Three of the USA entrants, Dixon Boardman, William Moloney and H.C. Lee, withdrew from the final on religious grounds when they heard that the race would be run on a Sunday. In the final, Holland led for the greater part of the race but Long caught him in the closing stages and won by a scant meter. Saultz finished third, some 15 meters behind. French spectators cheered Long like a home victor for he ran in the colors of Columbia University, strikingly similar to those of a famous Paris Club, Racing.

1. Maxie Long	USA	49 2/5 (OR)
2. William Holland	USA	
3. Ernst Schultz	Denmark	

1904 (29 August) - 13 competitors. No preliminary round. The large field lined up at the start in a single row, save for one runner (unidentified) who had to crouch right behind the others. Groman took the lead at 70 meters and opened up a gap. Poage, a Negro, was a good second, running wide, and Hillman was third. As the field swung around the turn after 195 meters, Poage fell behind. Hillman went into the lead, with Waller and Fleming coming up for a determined challenge. The run to the tape from the last turn, about 70 meters, was a desperate battle. Hillman crossed the finish line about 5 meters in front of Waller, with Groman less than a meter further back. Fleming just edged Prinstein for fourth in a hard contest.

1. Harry Hillman	USA	49 1/5 (OR)
2. Frank Waller	USA	
3. H.C. Groman	USA	
4. Joseph Fleming	USA	
5. Myer Prinstein	USA	

Among the "also ran" were George Poage (USA) and Percival Molson (Canada).

1908 (First final, 23 July; Runover, 25 July) - 36 competitors. I. Round (21 July): 16 heats (winners only qualified). II. Round (22 July): 4 semi-finals (winners only qualified). In the first round, Halswell had the fastest time, 49 2/5. In the semi-finals, a second tape was placed at 440 yards and the runners were timed for both distances. Winners in this round were J.C. Carpenter 49 2/5 (49 4/5 y), Halswell 48 2/5 OR (48 4/5 y), J.B. Taylor 49 4/5 (50 1/5 y) and W.C. Robbins 49 flat (49 4/5 y), all Americans save Halswell, who had a fresh Scottish 440 yard record of 48 2/5. In the final, Carpenter started on the pole, Halswell drew the second position, Robbins the third and Taylor, a Negro regarded as the chief American hope, the fourth. But Taylor got off to a poor start. At 45 meters Robbins went right across Halswell and thus moved to second behind Carpenter. As the runners turned into the home-stretch, closely bunched, Robbins appeared to be in the lead, with Carpenter close on his heels. But Halswell came up fast: both he and Carpenter swung to the outside in an effort to pass Robbins. Carpenter succeeded but also began to run a diagonal course down the straight, giving Halswell little or no chance to pass him on the outside. The crowd in the stand raised an immediate uproar and the officials on the turn signaled "foul" to those at the finish. The latter immediately broke the tape and attempted to flag down the runners. But Carpenter kept on and finished the race about three quarters of the way across the breadth of the track. Halswell and Robbins also finished, but they had eased up (or given up). As might be expected, there are two versions of the unofficial winning time for Carpenter. American sources give 47 4/5, while British sources give 48 3/5 (and 49.0 for 440 yards). The contest was declared "no race" and Carpenter was disqualified. A runover was ordered for 25 July. None of the Americans appeared for the race, though Taylor and Robbins were entitled to compete. Halswell "walked over" in 50 seconds flat. The pictures taken of the finish and the footprints of the runners clearly indicate that Carpenter did run wide in an attempt to discourage Halswell from passing. However, the judges had no right whatsoever to stop the race. They had a perfect right, after the race was over, to disqualify any competitor who ran in an unsportsmanlike manner and to order a re-run, if needed, to give the competitors interfered with their just chance. As a final remark, we may note that the pace in the early part of the race had been rather fast - first 220 yards in 23 seconds flat.

1. Wyndham Halswell	Great Britain	50 flat
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1912 (13 July) - 49 competitors. I. Round (12 July): 15 heats (the first two in each qualified). II. Round (12 July): 5 semi-finals (winners only qualified). In the third semi-final, Meredith eliminated Sheppard. In the fifth semi-final Donnell Young (USA), who finished first, fouled Braun on the initial turn and was disqualified, allowing Braun to advance to the final. In the decisive race, the runners were placed in lanes, the order from the inside being: Meredith, Braun, Reidpath, Huff, Lindberg. In the early part of the race, Meredith set a hot pace, catching Braun by the middle of the first straight. However, Braun increased his pace at the half-way mark and was soon in the lead. In the middle of the last curve Reidpath (who had run the fastest semi-final, 48.7) began his hard spurt and managed to press past Braun in the last 15 meters.

1. Charles Reidpath	USA	48.2 (OR)
2. Hanns Braun	Germany	48.3
3. Edward Lindberg	USA	48.4
4. James Meredith	USA	49.2
5. G.B. Huff	USA	49.5

1920 (20 August) - 37 competitors. I. Round (19 August): 10 heats (the first two in each qualified). II. Round (19 August): 4 quarter-finals (the first three in each qualified). III. Round (20 August): 2 semi-finals (the first three in each qualified). Nobody bettered 50 seconds in the first two rounds.

The semi-finals were won by Engdahl (49 2/5) and Shea (50 flat). Meredith, the world record holder (47 2/5 for 440 yards), was eliminated in the second semi-final. In the decisive race Engdahl (lane 6) and Shea, a 47 3/5 quarter-miler (lane 3), were the early leaders. Going into the homestretch, these two and Rudd (lane 1) appeared to be closely bunched. In the closing stages, Rudd ran away from the others and Butler came up fast to take second place.

1. Bevil Rudd	South Africa	49 3/5
2. Guy Butler	Great Britain	
3. Nils Engdahl	Sweden	
4. Frank Shea	USA	
5. John Ainsworth-Davis	Great Britain	
6. Harry Dafel	South Africa	

1924 (11 July) - 60 competitors. I. Round (10 July): 17 heats (the first two in each qualified). II. Round (10 July): 6 quarter-finals (the first two in each qualified). III. Round (11 July): 2 semi-finals (the first three in each qualified). In the second round, Joseph Imbach (Switzerland) set a new Olympic record of 48 flat in winning the sixth quarter-final from Engdahl (Sweden), 48 1/5. In the first semi-final, Fitch lowered the record to 47 4/5 while Liddell took the second semi-final in 48 1/5. In the decisive race, Taylor turned out with his ankle bandaged. Liddell (lane 6) led all the way. He was unofficially timed in 22 1/5 at the half-way mark. Yet Butler was still in contention, while Fitch and Taylor appeared to be closing up. Johnston and Imbach were no longer "in the money". The Swiss tripped over a marking line and fell so heavily that he had to be taken to the hospital. Liddell had a big lead coming off the turn. Staying well despite his unorthodox style he finally won by about 3 meters. Fitch overtook Butler in the last few meters to take second place. Taylor sensed a pain in his ankle a few meters from the finish, fell, then crawled over the line and collapsed.

1. Eric Liddell	Great Britain	47 3/5 (OR)
2. Horatio Fitch	USA	48 2/5
3. Guy Butler	Great Britain	48 3/5
4. D.M. Johnston	Canada	48 4/5
5. Cosard Taylor	USA	

Joseph Imbach (Switzerland) did not finish but inasmuch as he was the only other finalist, the French Committee decided that he would be awarded sixth place.

1928 (3 August) - 51 competitors. I. Round (2 August): 15 heats (the first two in each qualified). II. Round (2 August): 6 quarter-finals (the first two in each qualified). III. Round (3 August): 2 semi-finals (the first three in each qualified). The fastest time in the preliminary rounds was 48 3/5 by Bichner, twice, and Ball. In the final, Barbuti was in lane 1, with Kinkel, Bichner, Storz, Ball and Phillips next in that order. Barbuti ran all out from the start. Only Phillips and Bichner managed to stay in contention. With 100 meters to go, Barbuti was well clear and seemed to have the race won. But Ball unleashed a killing sprint and began to close the gap. With 10 meters to go, Barbuti's lead was cut to no more than a half meter. Going into the tape, Ball glanced sideways over his left shoulder, while Barbuti flung himself over the tape and won by a scant margin, probably a half meter. Bichner edged Kinkel for third after a desperate battle and finished 2 meters behind Ball.

1. Raymond Barbuti	USA	47 4/5
2. James Ball	Canada	48 flat
3. Joachim Bichner	Germany	48 1/5
4. John Kinkel	Great Britain	48 2/5
5. Harry Storz	Germany	48 4/5
6. Herman Phillips	USA	49 flat

1932 (5 August) - 27 competitors. I. Round (4 August): 6 heats (the first three in each qualified). II. Round (4 August): 3 quarter-finals (the first four in each qualified). III. Round (5 August): 2 semi-finals (the first three in each qualified). The fastest time in the first two rounds was Carr's 48.4. The same runner won the first semi-final in 47.2 (OR) from Wilson (47.8), Golding (48.0) and Godfrey Rampling of Britain (48.2), while Eastman took the second semi-final in 47.6 from Walters (48.2), Gordon (48.2) and Strje Strandvall of Finland (48.6). In the final, Carr and Eastman ran a race by themselves. Eastman (lane 2) was in the lead for the major part of the distance, but Carr (lane 4) drew even with 80 meters to go. Step by step they fought each other down the homestretch. Carr had more steam left and finally won by almost 2 meters in world record time. The unofficial 100 meter fractions for the two runners were: Carr 10.9, 11.2 (22.1), 11.7 (33.8) and 12.4 (46.2); Eastman 10.8, 10.9 (21.7), 12.0 (33.7) and 12.7 (46.4).

1. William Carr	USA	46.2 (WR)
2. Benjamin Eastman	USA	46.4
3. Alex Wilson	Canada	47.4
4. William Walters	South Africa	48.2
5. James Gordon	USA	48.2
6. George Golding	Australia	48.8

1936 (7 August) - 42 competitors. I. Round (6 August): 8 heats (the first three in each qualified). II. Round (6 August): 4 quarter-finals (the first three in each qualified). III. Round (7 August): 2 semi-finals (the first three in each qualified). The fastest time in the heats was 47.8 by Williams. In the quarter-finals 47.6 by LuValle. The two semi-finals gave the following results: I. 1. Williams 47.2, 2. Roberts 48.0, 3. Loaring 48.1, 4. Mario Lanzl (Italy) 48.2; II. 1. LuValle 47.1, 2. Brown 47.3, 3. Fritz 47.4, 4. Godfrey Rampling (GB) 47.5. In the final Williams (lane 5) and LuValle (lane 2) ran hard and fast in the early stages, while Roberts (lane 3) and Brown (lane 6) lost valuable ground. Williams was unofficially timed in 22.0 at the half-way mark. The two Britons started their bid in the last curve, but going into the homestretch Williams still had a big lead. Brown collared LuValle with 40 meters to go, then put in a devastating burst which brought him within centimeters of Williams at the tape. Roberts came up fast and just failed to catch LuValle. The official times were obviously in error, as was shown by the photo finish camera, which gave 46.66 for Williams, 46.68 for Brown, 46.84 for LuValle and 46.87 for Roberts.

1. Archie Williams	USA	46.5
2. Godfrey Brown	Great Britain	46.7
3. James LuValle	USA	46.8
4. William Roberts	Great Britain	46.8
5. William Fritz	Canada	47.3
6. John Loaring	Canada	48.2

1948 (5 August) - 53 competitors. I. Round (4 August): 12 heats (the first two in each qualified). II. Round (4 August): 4 quarter-finals (the first three in each qualified). III. Round (5 August): 2 semi-finals (the first three in each qualified). In the opening rounds, Wint had the fastest time, 47.7 (heat and quarter-final). He went on to win the first semi-final in 46.3 from Curotta (47.2), Whitfield (47.4) and George Rhoden of Jamaica (47.6). McKenley won the second semi-final in 47.3, with Bolen and Guida shunting Denis Shore of South Africa to fourth. In the final McKenley (lane 2) met his onetime school rival Wint (lane 3). The world record holder started like a bullet and hit the half-way mark in 21.4, well ahead of Wint (22.2). In USA, McKenley was in fact used to an even faster first half. But when Wint, with his enormous strides, started his bid, McKenley gradually faded. The two Jamaicans were level with 20 meters to go, then Wint drew away and won by a good 2 meters. Whitfield (lane 4) was never in the hunt yet he finished a fairly close third. Given the condition of the track and the humid and smoky London atmosphere, the initial pace was probably too fast even for the world record holder.

1. Arthur Wint	Jamaica	46.2 (=OR)
2. Herbert McKenley	Jamaica	46.4
3. Malvin Whitfield	USA	46.6
4. David Bolen	USA	47.2
5. Morris Curotta	Australia	47.9
6. George Guida	USA	50.2

1952 (25 July) - 70 competitors. I. Round (24 July): 12 heats (the first two in each qualified). II. Round (24 July): 4 quarter-finals (the first three in each qualified). III. Round (25 July): 2 semi-finals (the first three in each qualified). In the early rounds, Wint had the fastest times: 47.3 (heat) and 46.9 (quarter-final). He went on to win the first semi-final in 46.3 - same as four years earlier in London - from Haas (46.4), Whitfield (46.4), Gene Cole of USA (46.8) and Ardalion Ignatyev of USSR (47.4). McKenley won the second semi-final in 46.4 from Rhoden (46.5), Matson (46.7), Hans Geister of Germany (46.7) and Jack Carroll of Canada (47.4). Less than 2 hours later, the finalists were on the starting line, with Whitfield on the inside, then Wint, Haas, McKenley, Matson and Rhoden next in that order. Wint was off fast and though not a sprinter he led at the half-way mark with a startling 21.7. Rhoden (22.2) and particularly McKenley (22.7) were ostensibly bidding their time-wise tactics, especially after the gruelling semi-finals earlier in the afternoon, as the runners turned into the homestretch, Wint began to fade. Losing ground rapidly, he was soon out of contention. Rhoden shot into the lead, with McKenley about 4 meters back, but the latter produced his best ever finish, gradually closed the gap and just failed to catch Rhoden by less than a half meter. These two runners were the class of the field. The others failed to duplicate their semi-final clockings, though Matson came close to it in placing third.

1. George Rhoden	Jamaica	45.9 (OR)
2. Herbert McKenley	Jamaica	45.9
3. Ollie Matson	USA	46.8
4. Karl-Friedrich Haas	Germany	47.0
5. Arthur Wint	Jamaica	47.0
6. Malvin Whitfield	USA	47.1

1956 (29 November) - 42 competitors. I. Round (28 November): 8 heats (the first three in each qualified). II. Round (28 November): 4 quarter-finals (the first three in each qualified). III. Round (29 November): 2 semi-finals (the first three in each qualified). The fastest time in the early rounds was Gosper's 46.7 (quarter-final). Ignatyev won the first semi-final in 46.8 from Mal Spence (47.2), Jones (47.3) and Mel Spence of Jamaica (47.5). In the second semi-final, Kevan Gosper of Australia lowered his personal best to 46.2 yet he placed no higher than fourth behind Jenkins (46.1), Hellsten (46.1) and Haas (46.2). The draw for the final later in the afternoon put Spence in lane 1, with Ignatyev, Hellsten, Jenkins, Haas and Jones next in that order. At the gun all were off and running. The unofficial times at the half-way point were: 21.8 for Jones, 22.0 for Ignatyev and Spence, 22.2 for Jenkins, 22.3 for Hellsten and 22.7 for Haas. With 100 meters to go, world record holder Jones was still leading (33.4) but Ignatyev was by then very close (33.5), while Jenkins (33.9) and Haas (34.3) were gathering momentum. Then Jones suddenly tied up and Ignatyev shot to the front, with Hellsten and Jenkins in hot pursuit. In the closing stages Jenkins impressively drew away from the rest and won in fine style. Haas, dead last with 100 meters to go, came strongly, gained on all and eventually moved to second. Hellsten and Ignatyev were involved in an unusual dead-heat for third.

1. Charles Jenkins	USA	46.7
2. Karl-Friedrich Haas	Germany	46.8
3. Voitto Hellsten	Finland	47.0
4. Ardalion Ignatyev	USSR	47.0
5. Louis Jones	USA	48.1
6. Malcolm Spence	South Africa	48.3

1960 (6 September) - 54 competitors. I. Round (3 September): 9 heats (the first three in each qualified). II. Round (3 September): 4 quarter-finals (the first three in each qualified). III. Round (5 September): 2 semi-finals (the first three in each qualified). The fastest time in the heats was 46.7 by Kinder and Mal Spence of South Africa. The quarter-finals were won by Kaufmann (46.5), Yerman (46.4), Young (46.1) and Otis Davis (45.9), with this last unofficially timed in 11.4 for the last 100 meters. The first semi-final was won by Davis in a sizzling 45.5 (OR) from Milkha Singh (45.9), Kinder (46.0) and Robbie Brightwell of Britain (46.1). Davis' unofficial 200 meter fractions were: 22.5 and 23.0. Kaufmann won the second semi-final in 45.7 from Mal Spence (45.8), Young (46.1) and Abdulamu of Nigeria (46.6). For the first time since 1912, the final came on the following day. This new scheduling did much to improve the quality of the decisive race. The lanes for the final were: 1. Kaufmann, 2. Young, 3. Davis, 4. Spence, 5. Milkha Singh, 6. Kinder. At the gun Spence went out the quickest and hit the half-way mark in 21.2 with Kaufmann, Milkha Singh and Davis running evenly at 21.8, Kinder and Young being behind at this stage. Both Davis and Young made their move in the middle of the final turn and Davis entered the homestretch with a commanding lead. He passed the 300 meter mark in 32.6, which means that his unofficial time for the third 100 meter fraction was 10.8. At that stage he was followed by Young and Spence. Kaufmann was fourth (33.3) and Milkha Singh was fifth (33.4), just ahead of Kinder. In the closing stages, Young faded and was passed by all. Kaufmann exhibited one of the strongest stretch drives in the history of the event and gained on Davis all the way to the tape. He almost made it but in the last few meters Davis rallied his reserves and won by a very narrow margin. Both were caught in the world record time of 44.9. The photo timer gave 44.91 for Davis and 44.93 for Kaufmann. Spence, who ran with a temperature, just edged Milkha Singh for third.

1. Otis Davis	USA	44.9 (WR)
2. Carl Kaufmann	Germany	44.9
3. Malcolm Spence	South Africa	45.5
4. Milkha Singh	India	45.6
5. Manfred Kinder	Germany	45.9
6. Earl Young	USA	45.9

800 METERS

1896 (9 April) - 14 competitors. I. Round (6 April): 2 heats (the first two in each qualified for the final). Flack was the fastest qualifier with 2:10.0 (OR). The winner of the second heat, Lermusiaux of France, withdrew from the final.

1. Edwin Flack	Australia	2:11 flat
2. Mandor Déni	Hungary	2:11 4/5
3. Demetrius Golemis	Greece	

1900 (16 July) - 15 competitors. I. Round (14 July). Hall was the fastest qualifier with 1:59.0 (OR). The final was a three-man struggle involving Oregon, Tysoe and Deloge, until the Frenchman faded and lost third to the fast closing Hall. Tysoe beat Oregon in the race for first.

1. Alfred Tysoe	Great Britain	2:01 1/5
2. John Oregon	USA	
3. David Hall	USA	
4. Henri Deloge	France	
5. Zoltán Speidl	Hungary	
6. John Bray	USA	

1904 (1 September) - 14 competitors. No preliminary round. The large field had to negotiate 1 1/2 laps of the oval-shaped track. Cohn and Breitkreutz, both

of USA, were the early leaders. The trial for position began as the men turned into the long backstretch. Cohn tried to run away from the others but had no success. At the half-way mark Runge was in the lead for a while, then Verner, Breitkreutz and Valentine took command of the race in that order. During all this time, Lightbody had been watching the field "like a hawk does a chicken". Then he began to pass his opponents one by one, running wide--a practice that was rather unusual in those days. He closed steadily on the leaders and with about 30 meters to go he shot into the lead. He won by about 2 meters, with Valentine clearly ahead of the next three, who literally ran themselves into complete exhaustion.

1. James Lightbody	USA	1:56 flat (OR)
2. Howard Valentine	USA	
3. Emil Breitkreutz	USA	
4. George Underwood	USA	
5. Johannes Runge	Germany	
6. Frank Verner	USA	

Among the "also ran" were Harry Pilgrim, L.E. Hearn, Harvey Cohn, George Bonhag and John Joyce (all of USA), Peter Beer and John Peck (both of Canada).

1908 (21 July) - 39 competitors. I. Round (20 July): 8 heats (winners only qualified). Fairbairn-Crawford set a hot pace in the early stages of the final and was a dozen meters ahead of the field at 200 meters. Shortly afterwards he began to fade and soon disappeared from the picture. Sheppard then took the lead, with Lunghi and Just trailing. Just dropped back after a while, but Lunghi chased the leader all the way home. Sheppard managed to outpace his rival though and won by about 8 meters. The winner had covered the first half of the race in a sensational 53 flat (53 2/5 for 440 yards). He eased up after breaking the 800-meter tape and was clocked in no better than 1:54 flat for 880 yards.

1. Melvin Sheppard	USA	1:52 4/5 (WR)
2. Emilio Lunghi	Italy	1:54 1/5
3. Hanns Braun	Germany	1:56 flat
4. Odón Bodor	Hungary	
5. Theodore Hartman Just	Great Britain	
6. J.P. Halstead	USA	

I.F. Fairbairn-Crawford (GB) and C.B. Beard (USA), who were the only other finalists, did not finish.

1912 (8 July) - 48 competitors. I. Round (6 July): 9 heats (the first two in each qualified). II. Round (7 July): 2 semi-finals (the first four in each qualified). Meredith won the first semi-final in 1:54.4 from Braun (1:54.6) and Sheppard (1:54.8). Brock took the second semi-final in 1:55.7. In the final Sheppard went into the lead at the start and set a very fast pace. At 400 meters he was timed in 52.4, with Meredith in close attendance. Braun, Davenport and Edmundson followed in that order, closely bunched. The German appeared to be locked in. Going round the last curve he made a desperate effort to get free by running outside Davenport but did not succeed. Sheppard still lay first as the men entered the homestretch, but Meredith came with a devastating spurt which brought him nearer and nearer to the defending champion. For a moment it looked as though Braun would join the two Americans in the battle for first, but the pace was too hot and the German found himself unable to close the gap. Another American, Davenport, came up fast in the closing stages, running nearest the pole. But Meredith, on the outside, had enough steam left to draw away from Sheppard. At the tape he won by a half meter from Sheppard, who was only a hand's breadth ahead of Davenport. Braun was fading at the end, and judging from pictures of the finish we would say that he and Caldwell were farther behind the leaders than shown by the official times. Meredith went on to break another tape, at 880 yards, in 1:52.5, thus getting two world records and an Olympic gold medal with a single stroke! He was not yet 20 at the time, while Sheppard was 29 and Davenport 25.

1. James Meredith	USA	1:51.9 (WR)
2. Melvin Sheppard	USA	1:52.0
3. Ira Davenport	USA	1:52.0
4. Hanns Braun	Germany	1:52.2
5. David Caldwell	USA	1:52.3
6. Melville Brock	Canada	1:52.7

Clarence Edmundson and Herbert Putnam (both of USA) were the only other finishers.

1920 (17 August) - 39 competitors. I. Round (15 August): 5 heats (the first three in each qualified). II. Round (16 August): 3 semi-finals (the first three in each qualified). The fastest time in the early rounds was Rudd's 1:55 flat. In the final Campbell set the pace for a good part of the distance, with Mountain taking over in the second lap. As they went round the last curve, Rudd surged from behind and shot into the lead--only to drop back again in the stretch. In the closing stages the race was a two-man battle between Hill and Eby, with the Briton emerging the victor by about 1 meter.

1. Albert Hill	Great Britain	1:53 2/5
2. Earl Eby	USA	
3. Bevil Rudd	South Africa	
4. Edgar Mountain	Great Britain	
5. Donald Scott	USA	
6. A.B. Sprout	USA	

7. Esparbès (France); 8. A. Paulen (Holland) 1:56 2/5. The only other finalist, T. Campbell (USA), collapsed with less than 50 meters to go and did not finish.

1924 (8 July) - 41 competitors. I. Round (6 July): 8 heats (the first three in each qualified). II. Round (7 July): 3 semi-finals (the first three in each qualified). Stallard had the fastest time in the prelims--1:54 1/5. In the final he was reportedly bothered by an injured foot, yet he led the field for the greater part of the distance with times of 54 flat (400m), 1:06 4/5 (500m) and 1:21 2/5 (600m). At the end of the first lap he had a big lead on Martin, Enck, Dodge, Richardson and Lowe, who followed in that order, closely bunched. Lowe and Martin started their bid with 200 meters to go, closing in on Stallard. They sprinted past Stallard 100 meters from home. In a hectic finish, Lowe edged Martin by a narrow margin. Enck rallied to beat Stallard for third on the post. The Briton collapsed right after crossing the finish line.

1. Douglas Lowe	Great Britain	1:52 2/5
2. Paul Martin	Switzerland	1:52 3/5
3. Schuyler Enck	USA	1:53 flat
4. Henry Stallard	Great Britain	1:53 flat
5. William Richardson	USA	1:53 4/5
6. Ray Dodge	USA	1:54 1/5

7. J.N. Watters (USA); 8. Charles Hoff (Norway); 9. H. Houghton (Great Britain).

1928 (31 July) - 54 competitors. I. Round (29 July): 8 heats (the first three in each qualified). II. Round (30 July): 3 semi-finals (the first three in each qualified). In the third semi-final, Hahn hit the half-way mark level with Edwards in 54 flat and went on to win in 1:52 3/5 from the Canadian and world record holder Séra Martin. The other semi-finals were won by Fuller and Byléhn. Otto Peltzer of Germany, holder of the halfmile world record, was an undistinguished fifth in the semi-final won by Fuller and thus failed to enter the decisive race. Defending champion Lowe qualified easily: in the final he started on the pole and held the lead to the first turn, where Hahn rushed to the front, with Edwards in his wake. At 400 meters Hahn was still leading (55 1/5), with Lowe, Edwards, Martin, Engelhardt and Byléhn next in that order. Lowe launched his attack in the backstretch of the final lap and ran away from the field. Hahn and Martin faded badly toward the end,

while Byléhn, coming up fast, nipped Engelhardt for second.

1. Douglas Lowe	Great Britain	1:51 4/5 (OR)
2. Erik Byléhn	Sweden	1:52 4/5
3. Hermann Engelhardt	Germany	1:53 1/5
4. Philip Edwards	Canada	1:54 flat
5. Lloyd Hahn	USA	1:54 1/5
6. Séra Martin	France	1:54 3/5

7. E. Fuller (USA) 1:55 flat; 8. J. Keller (France); 9. R. Watson (USA).

1932 (2 August) - 19 competitors. I. Round (31 July): 3 heats (the first three in each qualified). The fastest time in the heats was Hornbostel's 1:52.4. In the final Edwards lost no time in taking the lead. His initial pace caused Peltzer and Martin to drop back almost immediately. At the bell the Canadian had a big lead (400m in 52.3). Genung was leading the pursuers several meters behind, with Hampson fifth in 54.8. Early in the second lap Wilson and Hampson began to chase Edwards and collared him down the backstretch. Going into the last curve, Wilson was in the lead, with Hampson trailing. In a desperate fight down the homestretch, Wilson staved off Hampson's attacks--all save the last. A few meters from home the Briton drew away and won by a scant meter. For the first time in history, the 1:50 barrier was broken, and by two men in the same race. For official purposes, the times were rounded off to the nearest fifth above, and so Hampson's record went into the books as 1:49.8.

1. Thomas Hampson	Great Britain	1:49.7 (WR)
2. Alex Wilson	Canada	1:49.9
3. Philip Edwards	Canada	1:51.5
4. Edwin Genung	USA	1:51.7
5. Edwin Turner	USA	1:52.5
6. Charles Hornbostel	USA	1:52.7

7. J. Powell (GB); 8. Séra Martin (France) 1:53.6; 9. O. Peltzer (Germany).

1936 (4 August) - 43 competitors. I. Round (2 August): 6 heats (the first three in each qualified). II. Round (3 August): 3 semi-finals (the first three in each qualified). In the heats, Edwards posted the fastest time, 1:53.7, in just beating Hornbostel, same clocking. Woodruff won the fastest semi-final in 1:52.7, after passing the half-way mark in 52.0. The final was run in mild temperature but with hindering winds. Edwards, by then an old Olympic campaigner, went into the lead at the gun and stayed there for the greater part of the first lap. Woodruff, after fluctuating back and forth in the early stages, emerged just before the bell and was in the lead at 400 meters, with Edwards and Kucharski trailing. The pace until then was funeral: 57.4. Lanzi, a distant eighth at that stage, and apparently locked in, really began to move in the second lap. He was fourth with 200 meters to go, when Edwards was back in the lead, with Woodruff on his heels and Kucharski third. Edwards began to fade in the last curve and Woodruff easily drew away from him. Lanzi, still closing fast, passed Kucharski, then shot past Edwards in the short homestretch. By then, however, long-legged Woodruff had the race won, and the best Lanzi could do was to end up a good 2 meters behind the American. Edwards saved third from Kucharski's attack.

1. John Woodruff	USA	1:52.9
2. Mario Lanzi	Italy	1:53.3
3. Philip Edwards	Canada	1:53.6
4. Kazimierz Kucharski	Poland	1:53.8
5. Charles Hornbostel	USA	1:54.6
6. Harry Williamson	USA	1:55.8

Also ran: J.C. Anderson (Argentina), G. Backhouse (Australia) and B. McCabe (GB).

1948 (2 August) - 41 competitors. I. Round (30 July): 6 heats (the first four in each qualified). II. Round (31 July): 3 semi-finals (the first three in each qualified). The fastest time in the heats was Whitfield's 1:52.8. The first semi-final was easily the fastest of the three, with Hansenne winning in 1:50.5 from Whitfield (1:50.7) and Parlett (1:50.9). The other semi-finals were won by Bengtsson (1:51.2) and Barten (1:51.7). Douglas Harris of New Zealand, a 1:49.4 half-miler, snapped the Achilles tendon of his left leg in the second semi-final and was carried off the track on a stretcher. In the final Chefid'hôtel went into the lead early, but Hansenne, starting on the outside, was unable to follow in his countryman's wake. Whitfield, always in good position, took the lead at the bell (400 meters in 54.2), with the gigantic Wint on his heels. In the backstretch Whitfield put in a fine turn of speed and soon spread-eagled the field. Wint appeared to be in trouble for a while but came charging back in the last curve and down the homestretch. Whitfield, however, was not to be taken. He won by about 2 meters. Hansenne closed fast in the final stages but had to be content with third.

1. Malvin Whitfield	USA	1:49.2 (OR)
2. Arthur Wint	Jamaica	1:49.5
3. Marcel Hansenne	France	1:49.8
4. Herbert Barten	USA	1:50.1
5. Ingvar Bengtsson	Sweden	1:50.5
6. Robert Chambers	USA	1:52.1

7. R. Chefid'hôtel (France) 1:53.0; 8. N. Holst Sørensen (Denmark) 1:53.4; 9. J. Parlett (GB) 1:54.0.

1952 (22 July) - 50 competitors. I. Round (20 July): 8 heats (the first three in each qualified). II. Round (21 July): 3 semi-finals (the first three in each qualified). The fastest time in the heats was Ulzheimer's 1:51.4. Nielsen won the first semi-final in fast time, 1:50.0, from Whitfield (1:50.1) and Webster (1:50.1), who shut out Audun Boysen of Norway (1:50.4). The other semi-finals were won by Wint (1:52.7) and Ulzheimer (1:51.9). In the final, Whitfield was drawn in one of the outside lanes. But he lost no time in securing a good position. At 400 meters Wint was in the lead (54.0), with Whitfield in his wake (54.2). Once again, Whitfield made his main effort in the backstretch, passed Wint and went into the last curve as the leader, with Wint, Ulzheimer, Steines, Nielsen and Webster next in that order, closely bunched. In the homestretch, Wint nearly managed to pull to Whitfield's shoulder, but the latter had enough steam left to put in a strong finishing burst, which eventually won the race for him. Curiously enough, Whitfield's winning time and his 400-meter fractions were a true copy of his London clockings four years earlier. Wint was a fairly close second, while Ulzheimer just saved third from the wildly charging Nielsen.

1. Malvin Whitfield	USA	1:49.2 (=OR)
2. Arthur Wint	Jamaica	1:49.4
3. Heinz Ulzheimer	Germany	1:49.7
4. Gunnar Nielsen	Denmark	1:49.7
5. Albert Webster	Great Britain	1:50.2
6. Günther Steines	Germany	1:50.6

7. R. Pearman (USA) 1:52.1; 8. L.-E. Wolfbrandt (Sweden) 1:52.1; 9. H. King (Sweden) 1:54.0.

1956 (26 November) - 38 competitors. I. Round (25 November): 5 heats (the first three in each qualified). II. Round (24 November): 2 semi-finals (the first four in each qualified). The fastest time in the heats was Johnson's 1:50.8. Courtney won the first semi-final in 1:53.6, with European champion Lajos Szentgáli of Hungary a close yet non-qualifying fifth in 1:53.9. The second semi-final was much faster and Sowell won in 1:50.0 from Boysen (1:50.0), Johnson (1:50.2), Leva (1:50.4), while Mike Lawson of Britain, fifth in 1:50.4, just failed to survive for the final. The start was on a curved line near the initial turn. In the decisive race Courtney, second from the pole, quickly jumped into the lead, with Sowell, Boysen, Johnson trailing in that order. Then Sowell moved into the lead, passing 200 meters in 25.1, 400 meters in 52.8, 600 meters in 1:20.4, at which stage Courtney

came alongside his countryman, while Johnson moved to third. As the runners entered the straight, Johnson suddenly saw a gap between the two Americans and immediately found his way through it. While Sowell began to fade, Johnson and Courtney staged an epic battle, running into a stiff wind. For a seemingly long time they were never more than a few centimeters apart, until Courtney finally built up a narrow lead. Boysen nipped Sowell for third.

1. Thomas Courtney	USA	1:47.7 (OR)
2. Derek Johnson	Great Britain	1:47.8
3. Audun Boysen	Norway	1:48.1
4. Arnold Sowell	USA	1:48.3
5. Michael Farrell	Great Britain	1:49.2
6. Lonnie Spurrier	USA	1:49.3

7. E. Leva (Belgium), no time taken; 8. B. Butchart (Australia), no time taken.

1960 (2 September) - 51 competitors. I. Round (31 August): 9 heats (the first three qualified). II. Round (31 August): 4 quarter-finals (the first three in each qualified). III. Round (1 September): 2 semi-finals (the first three qualified). The home schedule called for no less than four rounds in just over 53 hours and it was one of the wonders of the Games that the man who turned out to be the fastest and strongest of them all at the end of this gruelling carousel was a practically unheralded runner from New Zealand. This man, Peter Snell, came to Rome with a personal best of 1:49.2 (880 yards). He began by posting the fastest time of the first round - 1:48.1. Eight runners beat 1:50 in this round and two of these, Pierre-Yvon Lenoir of France (1:49.3) and Istvan Rózsavölgyi of Hungary (1:49.4) failed to qualify. The second round was even more rugged. In the first quarter-final, won by Tom Murphy of USA in 1:48.0, Don Smith of New Zealand was eliminated while running 1:48.4. The other quarter-finals were won by Schmidt (1:51.2), Kerr (1:49.4), and Moens (1:48.5), with Snell an easy runner-up in 1:48.6.

In the semi-finals, 6 of the 12 competitors beat Courtney's Olympic record and one of these did not even qualify. Kerr won the first semi-final in 1:47.1 from Waegli (1:47.3), Matuschewski (1:47.4), Jörg Balke of Germany (1:47.5), Anthony Blue of Australia (1:47.8) and Murphy (1:48.2). Snell won the second semi-final in 1:47.2 from Moens (1:47.4), Schmidt (1:47.8), Jerry Siebert of USA (1:48.0), Abram Krivochehev of USSR (1:48.1) and Ernie Cunliffe of USA (1:50.8). In the final, Matuschewski drew the pole lane, flanked by Moens, Waegli, Kerr, Schmidt and Snell. After a false start by Waegli, the field was off cleanly. Matuschewski created the first surprise by falling several meters in arrears by the end of the first 100 meter fraction. He was to finish a distant sixth. Waegli led in 25.4 (200 meters) and 51.9 (400 meters), with Schmidt and Kerr next, followed by Snell and Moens, who changed positions now and then. The Swiss, a strong front runner, was still first with 200 meters to go (1:19.1), with Moens and Snell next, on the pole, Schmidt and Kerr being on the outside and very close. With 100 meters to go, Waegli began to fade and Moens took over. Going down the homestretch, the Belgian - holder of the world record - looked around three times to check the position of his pursuers. But Snell came charging up on the inside. Moens responded and was still ahead with 25 meters to go. It was only in the last three seconds of the race that Snell took the lead to win by a scant meter from the bewildered Moens. Kerr had no trouble earning the bronze medal, while Waegli faded to fifth behind Schmidt.

1. Peter Snell	New Zealand	1:46.3 (OR)
2. Roger Moens	Belgium	1:46.5
3. George Kerr	West Indies	1:47.1
4. Paul Schmidt	Germany	1:47.6
5. Christian Waegli	Switzerland	1:48.1
6. Manfred Matuschewski	Germany	1:52.0

1500 METERS

1896 (7 April) - 8 competitors. No preliminary round. Lermusiaux acted as pace-setter for the greater part of the distance but was overtaken near the end by Flack and Blake.

1. Edwin Flack	Australia	4:33 1/5 (OR)
2. Arthur Blake	USA	
3. Albin Lermusiaux	France	
4. Karl Galle	Germany	
5. Angelos Petsis	Greece	
6. Dimitrios Golemis	Greece	

1900 (15 July) - 9 competitors. No preliminary round. Alexander Grant and John Cregan, leading USA contenders, were entered but withdrew, presumably because the event was held on a Sunday. The race was a two-man fight between Bennett and Deloge, who drew away from the rest of the field and finished in that order, about 2 meters apart.

1. Charles Bennett	Great Britain	4:06 1/5 (OR)
2. Henri Deloge	France	
3. John Bray	USA	
4. C. Christensen	Denmark	
5. David Hall	USA	
6. H. Wraschtil	Austria	

1904 (3 September) - 9 competitors. No preliminary round. Lightbody, Werner and Hearn, all members of the Chicago A.A., had the race well under control. They drew away from the others and finished in that order. Runge, the only non-American in the field, though unaccustomed to the particular conditions, gave a good account of himself.

1. James Lightbody	USA	4:05 2/5 (OR)
2. Frank Verner	USA	
3. L. E. Hearn	USA	
4. D. C. Munson	USA	
5. Johannes Runge	Germany	

Also: Peter Deer (Canada), Valentine, Cohn and Bacon (all of USA).

1908 (14 July) - 43 competitors. I. Round (13 July): 8 heats (winners only qualified). Hallows ran the fastest heat, 4:03 2/5 (OR) in just beating Emilio Lunghi of Italy (4:05 4/5), who thus failed to qualify although he ran faster than any of the winners in the other heats. Others who failed to survive were defending champion Lightbody, J. P. Halstead of USA, Hanns Braun of Germany and Jean Bouin of France. In the final, Fairbairn-Crawford set a fast pace in the first half of the race. At 450 meters Loney unsuccessfully tried to take on the running. As a result of this, the pace slackened considerably. Wilson, who was barely 5'4" (1.62 m) tall, started his bid 270 meters from home. He went into the straight as the leader, with Hallows trailing, but Sheppard, still full of running, came closing fast and decisively outpaced his British rivals to win by almost 2 meters.

1. Melvin Sheppard	USA	4:03 2/5 (=OR)
2. Harold Wilson	Great Britain	4:03 3/5
3. Norman Hallows	Great Britain	4:04 flat
4. John Tait	Canada	
5. I. F. Fairbairn-Crawford	Great Britain	
6. Joseph Deakin	Great Britain	

Also ran: J. P. Sullivan (USA), E. V. Loney (GB).

1912 (10 July) - 46 competitors. I. Round (9 July): 7 heats (the first two in each qualified). The fastest time in the heats was Kiviat's 4:04.4. In the final, Henri Arnaud of France led for the first two laps, the field keeping well together. The Americans seemed to be playing the waiting game in the middle of the group, while the Swedes kept in the rear. In the second lap, however, Ernst Wide moved to seventh. At the bell, Kiviat pressed forward and took the lead, with Taber and Jones close behind. In this way, Arnaud was

squeezed out. At this stage, Wide was 15 meters behind the leader, Kiviat. The Swede started his bid as they went into the backstretch of the final lap. Almost at the same time, Jackson joined the leading group, to which Wide himself was getting closer and closer. In the last curve, Kiviat was still leading, with Taber, Jackson, Jones, Sheppard next, closely bunched, then Wide somewhat behind. The homestretch battle was one of extraordinary severity, "each man doing all he knew". Sheppard began to fade, and so the final rush for the tape saw Jones, Taber and Kiviat running abreast of each other, Jackson somewhat behind, and Wide about 10 meters in the rear of the leaders. In the last 50 meters Kiviat drew away from Taber and Jones and seemed to have the race won when Jackson, coming up fast, passed the tiring USA trio with his giant strides and won by a safe margin. Kiviat took second from Taber on a photo finish decision, and Jones was a close fourth. Wide was probably the fastest of them all in the closing stages but had to be content with fifth.

1. Arnold Jackson	Great Britain	3:56.8 (OR)
2. Abel Kiviat	USA	3:56.9
3. Norman Taber	USA	3:56.9
4. John Paul Jones	USA	3:57.2
5. Ernst Wide	Sweden	3:57.6
6. Philip Baker	Great Britain	

7. John Zander (Sweden) Also ran: M. Sheppard (USA), H. Arnaud (France), F. Hedlund (USA), W. McClure (USA), L. Madeira (USA), E. Björn (Sweden), E. von Siegel (Germany).

1920 (19 August) - 26 competitors. I. Round (18 August): 4 heats (the first three in each qualified). The fastest time in the heats was 4:02 2/5 by Václav Vohralík of Czechoslovakia. World record holder John Zander of Sweden, attempting a comeback after his retirement in 1918, qualified for the final, in which, however, he dropped out with about half way to go. Ray led for the greater part of the distance, with Vohralík trailing. The British duo Hill-Baker went into the lead at the bell. In the backstretch Baker ran alongside his countryman "to protect him from attacks". Then Hill drew away and won the race. Ray, allegedly handicapped by a bad tendon, was overtaken by several others in the final lap. Hill is to this day the last man to have won both 800 and 1,500 meters in the Olympics.

1. Albert Hill	Great Britain	4:01 4/5
2. Philip Baker	Great Britain	4:02 2/5
3. Lawrence Shields	USA	
4. Václav Vohralík	Czechoslovakia	
5. Sven Lundgren	Sweden	
6. André Audinet	France	

7. A. Porro (Italy); 8. J. Ray (USA). Also ran: D. McFhee (GB), J. Connolly (USA), L. Fourneau (Belgium), J. Zander (Sweden) did not finish.

1924 (10 July) - 40 competitors. I. Round (9 July): 6 heats (the first two in each qualified). Scherrer had the fastest heat, 4:06 3/5. In the final Nurmi, who was to compete in the 5,000 meters seventy-five minutes later, set the pace that suited himself (500m in 1:13 1/5, 1,000m in 2:32 flat), and the field was strung out behind him. The Finn wound up an easy winner, apparently as fresh as when he started. Stallard made a great effort in order to pass Scherrer, but the Swiss had enough left to come up again in the last few meters and nailed second place.

1. Paavo Nurmi	Finland	3:53 3/5 (OR)
2. Willy Scherrer	Switzerland	3:55 flat
3. Henry Stallard	Great Britain	3:55 3/5
4. Douglas Lowe	Great Britain	3:57 flat
5. Ray Buker	USA	3:58 3/5
6. Lloyd Hahn	USA	3:59 flat

7. R. Watson (USA); 8. P. Liewendahl (Finland); 9. A. Peussa (Finland); 10. R. Wiriath (France); 11. S. A. Spencer (GB); 12. J. Luoma (Finland).

1928 (2 August) - 54 competitors. I. Round (1 August): 6 heats (the first two in each qualified). Böcher had the fastest heat, 3:59 3/5. In the final, Larva and Purje showed excellent teamwork and always appeared to have the race under control. Ladoumègue, locked in during the early stages, came to the fore in the backstretch of the final lap to wrest the lead from Purje. But Larva, after biding his time, launched his attack in the homestretch, collared Ladoumègue and drew away 20 meters from the finish to win by a comfortable margin. Wichmann close fast and took fourth from Ellis.

1. Harri Larva	Finland	3:53 1/5 (OR)
2. Jules Ladoumègue	France	3:53 4/5
3. Eino Purje	Finland	3:56 2/5
4. Hans Wichmann	Germany	3:56 4/5
5. Cyril Ellis	Great Britain	3:57 3/5
6. Paul Martin	Switzerland	3:58 2/5

7. H. Krause (Germany); 8. A. Kittel (Czechoslovakia) 4:00 2/5. Also ran: R. Conger (USA), W. Whyte (Australia), J. Keller (France). H. Böcher (Germany) did not finish.

1932 (4 August) - 27 competitors. I. Round (3 August): 3 heats (the first four in each qualified). The fastest time in the heats was Cunningham's 3:55.8. Edward King of Canada qualified but did not appear in the final. Cunningham and Lovelock set the pace in the early stages and the New Zealander led the field at 400 meters (60.5). Then Ny went into the lead but near the end of the second lap he was relieved by Edwards, who hit 800 meters in 2:04.5, then shot out of the bunched field, with Cunningham in his wake. These two soon opened up a gap. At the bell, Beccali and the rest were a good 20 meters behind the leaders. At 1200 meters (Edwards 3:07.0), Cornes began to chase the fugitives, and Beccali was in his wake. In the last curve, Edwards and Cunningham still lay in the lead but seemed to have given all they had. Beccali ran away from Cornes, then collared Cunningham as they went into the stretch, and finally overtook Edwards. The Italian won by a sizable margin and broke the worsted with his hands, as per his custom. Cornes drew away from Edwards and Cunningham and finished a good second. The Finns, obviously bothered by the hot early pace and the warm California climate, were never in contention. They were in outer lanes. Cunningham led at 400 meters (61.5), with Ny, Schaumburg, Lovelock and Beccali trailing in that order. Ny was in front at 800 meters (2:05.0), followed by Lovelock, Cunningham and Beccali. In the third lap Cunningham attempted to run away from the field, and Lovelock was the only one who managed to hang on. At 1000 meters (2:35.0) these two seemed to have things well under control. At 1100 meters (2:51.0), Lovelock started his bid and literally flew away from his American rival. The New Zealander hit 1200 meters in 3:05.0 and from then on he was never threatened. Cunningham fought bravely yet he made no impression on his fast closing opponent. Beccali, who had been spiked while lying in the middle of the field, was a gallant third, ahead of young San Romani, while veteran Philip Edwards - appearing in an individual Olympic final for the fifth time - achieved his best ever performance in finishing fifth. Lovelock covered the last 400 meters in 56.8, the last 300 meters in 42.8 and the last 200 meters in 28.8.

1. John Lovelock	New Zealand	3:47.8 (WR)
2. Glenn Cunningham	USA	3:48.4
3. Luigi Beccali	Italy	3:49.2
4. Archie San Romani	USA	3:50.0
5. Philip Edwards	Canada	3:50.4
6. John Cornes	Great Britain	3:51.4

7. M. Szabó (Hungary) 3:53.0; 8. R. Goix (France) 3:53.8; 9. E. Venzke (USA) 3:55.0; 10. F. Schaumburg (Germany) 3:56.2; 11. E. Ny (Sweden) 3:57.6; 12. W. Böttcher (Germany) 4:04.2. (Times from 7th to 12th were decided on Time Camera).

1948 (6 August) - 36 competitors. I. Round (4 August): 4 heats (the first three in each qualified). The fastest time in the heats was Bergkvist's 3:51.8. The final was run on a sodden track and in a downpour. Hansenne set the pace for a sizable part of the distance (400 meters in 58.3, 800 meters in 2:02.6) but disappeared from the picture in the third lap. A Swedish trio, Eriksson-Strand-Bergkvist, forged ahead and led the field at 1200 meters (3:05.0). Eriksson, a strongly built runner who had been Strand's perennial underdog up to that day, for once proved more adamant than his rival in braving fatigue and the adverse elements. The talented Strand almost gave up struggle in the homestretch and just got up again in the last few meters to save second from the assault of fast closing Slykhuus. Bergkvist dropped back to fifth in the closing stage.

1. Henry Eriksson	Sweden	3:49.8
2. Lennart Strand	Sweden	3:50.4
3. Willem Slykhuus	Holland	3:50.4
4. Václav Cevona	Czechoslovakia	3:51.2
5. Gustav Bergkvist	Sweden	3:52.2
6. William Mankeville	Great Britain	3:52.6

7. S. Garay (Hungary) 3:52.8; 8. E. Jørgensen (Denmark); 9. J. Barthel (Luxemburg); 10. D. Gehrman (USA); 11. M. Hansenne (France); 12. D. Johansson (Finland).

1952 (26 July) - 52 competitors. I. Round (24 July): 6 heats (the first four in each qualified). II. Round (25 July): 2 semi-finals (the first six in each qualified). The fastest time in the first round was Åberg's 3:51.0. The two semi-finals were won by Johansson (3:49.4) and Barthel (3:50.4). Stanislav Jungwirth of Czechoslovakia was the fastest non-qualifier at 3:51.0. In the final Lamers took the lead soon after the start, presumably to pave the way for the last-minute appearance of his countryman Werner Lueg, a co-holder of the world record. Lamers passed 400 meters in 57.8, 800 meters in 2:01.4, with Lueg, Boysen, El Mabrouk and Bannister. In the third lap Lueg jumped into the lead, passing 1000 meters in 2:32.8 and 1200 meters in 3:03.0. He went into the last curve with a 3-meter lead, but Barthel, running close to the curb, was beginning to exploit his reserves. At the same time McMillen, after staying with the rear guard for the greater part of the race, came up fast. Lamers was by then fading, while El Mabrouk and Bannister were desperately trying to emerge from outer lanes. Barthel kept moving fast down the straight, collared Lueg 50 meters from home and drew away. McMillen, coming from behind, was the fastest finisher and just failed to catch Barthel, who won by half a meter. Bannister barely held off El Mabrouk for fourth. Six of the twelve finalists beat their personal records, by margins ranging from 0.6 (Lamers) to 4.1 (McMillen).

1. Josef Barthel	Luxemburg	3:45.1* (OR)
2. Robert McMillen	USA	3:45.2
3. Werner Lueg	Germany	3:45.4
4. Roger Bannister	Great Britain	3:46.0
5. Patrick El Mabrouk	France	3:46.0
6. Wolf Lamers	Germany	3:46.8

7. O. Åberg (Sweden) 3:47.0; 8. Ingvar Ericsson (Sweden) 3:47.6; 9. D. Macmillan (Australia) 3:49.6; 10. D. Johansson (Finland) 3:49.8; 11. A. Boysen (Norway) 3:51.4; 12. W. Dretzler (USA) 3:56.0.
* Time was officially rounded off to 3:45.2 as per rule then in force.

1956 (1 December) - 37 competitors. I. Round (29 November): 3 heats (the first four in each qualified). The heats were "murder" and saw the untimely death of such men as defending champion Barthel (3:50.0), Rózsaólvgyi of Hungary (3:49.4), Ingvar Ericsson of Sweden (3:49.0) and Dan Waern, also of Sweden (3:48.8), the fastest non-qualifier. The winners were Richtzenhain (3:46.6), Lincoln (3:45.4) and Scott (3:43.0). The weather on the day of the final was warm and windless. Halberg and Hewson were the early leaders and the former hit 400 meters in 58.4, with the rest of the field tightly bunched. Halberg still lay in the lead at 600 meters (1:29.2). Then Lincoln made his move and went to the fore, with Boyd second. The leader's time at 800 meters was 2:00.1. With one lap to go (1100 meters in 2:46.6) Lincoln and Hewson were running abreast, while Landy was in the middle of the field and Delany, who had been in the rear guard most of the time, was tenth. Lincoln, sensing a pain in his leg, had to give up, and so Hewson was first at 1200 meters (3:01.3), with Richtzenhain and Boyd trailing, while Landy and more so Delany began to move up. Delany, still fourth with 200 meters to go, caught Richtzenhain and Boyd in the last curve. Then, bursting off the turn, he ran the tiring Hewson into the ground and flew to the tape. Behind him, Landy produced the greatest finishing kick of his career and just failed to catch Richtzenhain, whose second place was a just reward for a steady race. Unofficial but reliable timers caught Delany in 53.8 for the last 400 meters, his 100-meter fractions in that hectic last lap being 15.0, 13.2, 12.7 and 12.9. He had "jogged" the first three laps in 60.0, 61.4 and 61.0.

1. Ron Delany	Ireland	3:41.2 (OR)
2. Klaus Richtzenhain	Germany	3:42.0
3. John Landy	Australia	3:42.0
4. László Tábori	Hungary	3:42.4
5. Brian Hewson	Great Britain	3:42.6
6. Stanislav Jungwirth	Czechoslovakia	3:42.6

7. N. Scott (NZ) 3:42.8; 8. I. Boyd (GB) 3:45.0; 9. K. Wood (GB) 3:44.8; 10. G. Nielsen (Denmark) 3:45.7; 11. M. Halberg (NZ) 3:45.9; 12. M. Lincoln (Australia) 3:51.9. (Times from 9th to 12th are unofficial. Eight men (officially) and one more (unofficially) beat the Olympic record!).

1960 (6 September) - 39 competitors. I. Round (3 September): 3 heats (the first three in each qualified). The first heat was very fast, due to the presence of Herb Elliott who won in 3:41.4 from Rózsaólvgyi (3:42.0), Burleson (3:42.2) and Terence Sullivan of Rhodesia, at 3:42.8 the fastest non-qualifier. Bernard took the second heat in 3:42.2 from Grelle (3:45.5) and Hamarstrand (3:44.4). Siegfried Valentin of Germany, who had done 3:38.7 only seven days earlier, was an undistinguished sixth in 3:46.9. Dan Waern won the third heat in 3:43.9 from Jazy (3:44.9) and Vamos (3:44.9). In the final, three days later, Bernard led the field for over half the distance (400 meters in 58.2, 800 meters in 1:57.8), with Waern and Vamos trailing, with 700 meters to go, Elliott was fourth, followed by Jazy, Rózsaólvgyi and Burleson. At this stage, the holder of the world 1-mile record made his move and in no time he was in the lead. His relentless, man-killing drive took the sting out of the opposition. He hit 1000 meters in 2:25.4, 1200 meters in 2:54.0. At this stage he was beginning to pull away from his last pursuers--Rózsaólvgyi, Jazy and Vamos. From then on Elliott was never headed and he eventually won in world record time, 3:35.6. He offered the greatest exhibition in the history of middle distance running. He was unofficially caught in 1:52.8 for the last 800 meters of the race! He ran the last 400 meters in 55.6, the last 300 meters in 41.6 and the last 200 meters in 28.0. Jazy moved to second with just over 200 meters to go and finished 2.8 secs. behind the winner. The Frenchman improved his personal best by 3.8 secs. Rózsaólvgyi was a solid third, while Dan Waern, after fading badly mid-way in the race, showed a fine recovery and moved from sixth to fourth in the closing stages.

1. Herbert Elliott	Australia	3:35.6 (WR)
2. Michel Jazy	France	3:38.4
3. István Rózsaólvgyi	Hungary	3:39.2
4. Dan Waern	Sweden	3:40.0
5. Zoltan Vamos	Rumania	3:40.8
6. Dyrrol Burleson	USA	3:40.9

7. M. Bernard (France) 3:41.5; 8. J. Grelle (USA) 3:45.0; 9. Hamarstrand 3:45.0.

5000 METERS

1896, 1900, 1904, 1908: event not held.

1912 (10 July) - 32 competitors. I. Round (9 July): 5 heats (the first three in each qualified). Bouin won his heat in a fast 15:05.0, while Kolehmainen qualified with 15:38.9 in another heat. In the final these two were in a class by themselves. Only eleven men started. Kolehmainen took an early lead. After futile attempts to interfere by Bonhag, Scott and Hutson, Kolehmainen and Bouin drew away from the rest of the field. Bouin led for the greater part of the distance, with Kolehmainen always in close attendance. Far behind the leaders, Bonhag was doing most of the pace-setter's work in leading the group. When the bell rang for the last lap, the stocky Bouin attempted to run away from his rival, but Kolehmainen hung on and actually launched a counter-attack as they went down the backstretch. Bouin was quick to respond and was still first going into the last curve. Entering the stretch, the Finn again tried to forge ahead but had no success. It was only with 20 meters to go that the tide finally turned: Kolehmainen drew level with Bouin-then, gradually and inexorably, he inched his way ahead. The Frenchman pressed the Finn out toward the outer lanes--involuntarily maybe, given the unusual strain of the titanic battle. But Kolehmainen was not to be taken and finished a scant meter in front of his rival. Hutson just beat Bonhag for third. The times of the first two created a sensation, quite understandable if one considers that up to that day nobody had ever run the distance inside 15 minutes. It should be added, however, that Alf Shrubbs's 3-mile record of 14:17.6 (1905) was well the equivalent of 14:50 for the metric distance.

1. Hannes Kolehmainen	Finland	14:56.6 (WR)
2. Jean Bouin	France	14:56.7
3. George Hutson	Great Britain	15:07.6
4. George Bonhag	USA	
5. Tel Berna	USA	
6. Mauritz Karlsson	Sweden	15:18.6

Also started: H.L. Scott (USA), A. Decoteau (Canada), J. Keeper (Canada), F.N. Hibbins and C.H.A. Porter (both of Great Britain).

1920 (17 August) - 37 competitors. I. Round (16 August): 4 heats (the first four in each qualified). The fastest time in the heats was 15:17 4/5 by Rudolf Falk of Sweden. In the final, Nurmi took over in the third lap, carrying little Guillemot with him. These two quickly opened up a gap; Guillemot started his bid as they went round the last curve, and Nurmi was unable to respond. The Frenchman increased his lead steadily and won by a safe margin. Backman stayed with Koskeniemi and Falk for the greater part of the race. With two laps to go, Falk dropped out and Backman went on to take third place. Both Guillemot and Nurmi achieved personal bests.

1. Joseph Guillemot	France	14:55 3/5
2. Paavo Nurmi	Finland	15:00 flat
3. Eric Backman	Sweden	15:13 flat
4. Teodor Koskeniemi	Finland	15:17 flat
5. Charles Blewitt	Great Britain	
6. William Seagrave	Great Britain	

7. C. Speroni (Italy); 8. A.H. Nichols (GB); 9. J. van Campenhout (Belgium); 10. N. Bergström (Sweden). Other finalists: H.C. Irwin (GB), E. Lundström (Sweden), H.H. Brown, I.C. Dresser and C. Furnas (all of USA), R. Falk (Sweden).

1924 (10 July) - 39 competitors. I. Round (8 July): 3 heats (the first four in each qualified). The fastest time in the heats was Romig's 15:14 5/5. In the final, Nurmi went to the starting line seventy-five minutes after winning the 1,500 meter crown. Nurmi and Ritola stayed with their arch rival Wide for the major part of the race and only pulled away from the Swede when they thought the time was ripe for decision. In the closing stages Nurmi stayed off Ritola's attack and won rather comfortably. Wide was a lone third, while Romig had a hard fight with Seppälä for fourth place. Intermediate times: 1000m 2:46 2/5 (Wide), 2000m 5:43 3/5 (Wide), 3000m 8:42 3/5 (Nurmi), 4000m 11:38 4/5 (Nurmi). Last lap (500m): 1:23 flat (Nurmi).

1. Paavo Nurmi	Finland	14:31 1/5 (OR)
2. Ville Ritola	Finland	14:31 2/5
3. Edwin Wide	Sweden	15:01 4/5
4. John Romig	USA	15:12 2/5
5. E. Seppälä	Finland	15:18 2/5
6. Charles Clibbon	Great Britain	15:29 flat

7. L. Doljevs (France) 15:22 3/5; 8. A. Eriksson (Sweden) 15:38 flat; 9. L. Mascua (France) 15:39 flat; 10. F.C. Saunders (GB). Also ran: E. Rastas (Finland), Okazaki (Japan).

1928 (3 August) - 36 competitors. I. Round (31 July): 3 heats (the first four in each qualified). The fastest time in the heats was Lermond's 15:02 3/5. In the final Ritola took the lead just after the first kilometer, with Nurmi, Lermond and Wide trailing in that order. These four stayed together till the next-to-the-last lap, when first Lermond then Wide dropped back. Ritola ran away from Nurmi in the last curve. Nurmi did not seem to exert himself too much and was content to save second place from Wide's counter-attack.

1. Ville Ritola	Finland	14:58 flat
2. Paavo Nurmi	Finland	14:40 flat
3. Edwin Wide	Sweden	14:41 1/5
4. Leo Lermond	USA	14:50 flat
5. Ragnar Magnusson	Sweden	14:59 3/5
6. Armas Kinnunen	Finland	15:02 flat

Also ran: S. Petkevics (Latvia), N. Ekbløf (Sweden), B.C.V. Oddie (GB), Macauley Smith (USA), H.A. Johnston (GB). E. Purje (Finland) qualified for the final but did not run.

1922 (5 August) - 19 competitors. I. Round (2 August): 2 heats (the first seven in each qualified). The fastest time in the heats was Hill's 14:59.6. In the final, Virtanen and Lehtinen soon took the lead, while Hill stayed in the rear guard. At the half-way mark only Lindgren, Savidan and Hill were still with the two Finnish leaders. Soon afterwards Lehtinen, Virtanen and Hill were out in front by themselves. In the closing stages Virtanen lost contact. The last lap was a long drawn (69.2) yet torrid affair, in which Lehtinen and Hill ran themselves to exhaustion in trying to "kill" each other. As they entered the homestretch, Lehtinen was still in the lead. Hill challenged, but Lehtinen swung wide. Then Hill tried to go through on the inside, but Lehtinen closed in again, forcing Hill to cut his stride. In a desperate race for the tape, Hill got up again for a final challenge. Lehtinen lost a little ground but still managed to win by a scant margin, apparently less than half a meter. Some of the judges voted for the disqualification of Lehtinen but were overruled by Chief Judge Gustavus T. Kirby. Spectators were on the point of rioting, but Announcer Bill Henry quieted them down with the following words: "Remember, please, these people are our guests". The unofficial kilometer fractions for the leaders were: 2:46, 2:59, 2:54, 2:57, 2:54.

1. Lauri Lehtinen	Finland	14:30.0 (OR)
2. Ralph Hill	USA	14:30.0
3. Lauri Virtanen	Finland	14:44.0
4. John Savidan	New Zealand	14:49.6
5. Jean-Gunnar Lindgren	Sweden	14:54.7
6. Max Syring	Germany	14:59.0

7. J. Burns (GB); 8. E. Pettersson (Sweden) 15:13.4; 9. D. Dean (USA); 10. J.A. Hillhouse (Australia); 11. Robt. Rankine (Canada). Also started: S. Takenaka (Japan), R. Rochard (France) and P. Rekers (USA).

1936 (7 August) - 41 competitors. I. Round (4 August): 3 heats (the first five in each qualified). The fastest time in the heats was Jonsson's 14:54.6. In the final Salminen took an early lead, closely followed by Lehtinen and the rest of the pack. In the second kilometer Iash, holder of the world's 2-mile record, attempted to forge ahead but his moment was short-lived. Mid-way in the race, Murakoso took over, with Höckert, Lehtinen, Salminen, Jonsson and

Noji, while Laah dropped back. The six-man group continued to lead the race till the last kilometer. Then Höckert launched his attack, while Salminen collided with Lehtinen and fell. Höckert easily forged ahead and went home a brilliant victor, apparently without giving all he had. Lehtinen had little trouble in beating Jonsson and Murakoso. Salminen gamely got up and regained some of the ground he had lost because of his fall. Even so he had to be content with sixth place. Intermediate times for the leaders: 1000m 2:49, 2000m 5:45.6, 3000m 8:40, 4000m 11:37.5. Last 200m: 32.0.

1. Gunnar Höckert	Finland	14:22.2 (OR)
2. Lauri Lehtinen	Finland	14:25.8
3. Henry Jonsson	Sweden	14:29.0
4. Kohel Murakoso	Japan	14:30.0
5. József Noji	Poland	14:33.4
6. Ilmari Salminen	Finland	14:39.8

7. U. Cerati (Italy) 14:44.4; 8. L. Zamperini (USA) 14:46.8; 9. R. Hansen (Norway) 14:48.0; 10. H. Siefert (Denmark) 14:48.4; 11. P. Ward (GB); 12. F. Close (GB); 13. D. Lash (USA); 14. A. Hellström (Sweden). A. Reeve (GB) withdrew. Times from 7th to 10th were decided on time camera.

* Later changed his name to Källarne.

1948 (2 August) - 32 competitors. I. Round (31 July): 3 heats (the first four in each qualified). The fastest time in the heats was Ahlden's 14:34.2. The final was run on a rain-soaked track. Zátópek set a hot pace, and very soon the only ones who could stay with him were Slykhuus, Reiff and Ahlden. In the fourth kilometer Reiff put in a devastating burst and opened up a gap. Going into the last lap the Belgian had 20 meters on Slykhuus and probably twice as many on Zátópek. By then, however, the Czech had overcome his crisis and was charging back. He soon collared Slykhuus and left him behind, then he began to cut Reiff's lead at a threatening rate. In the homestretch it looked as if Zátópek would forge ahead, but Reiff, sensing the danger, rallied his last resources and went home first, a scant meter ahead of his great rival. Slykhuus was a distant but safe third. Evert Nyberg of Sweden dropped out with a little more than one lap to go when he was sixth. Intermediate times for the leaders: 1000m 2:48, 2000m 5:38, 3000m 8:33, 4000m 11:25. Reiff's last lap (400m) was 69.6.

1. Gaston Reiff	Belgium	14:17.6 (OR)
2. Emil Zátópek	Czechoslovakia	14:17.8
3. Willem Slykhuus	Holland	14:26.8
4. Erik Ahlden	Sweden	14:28.6
5. Bertil Albertsson	Sweden	14:39.0
6. Curtis Stone	USA	14:39.4

7. V. Koskela (Finland) 14:41; 8. V. Mäkelä (Finland) 14:43; 9. M. Vandewattynne (Belgium); 10. H. Stokken (Norway); 11. H. Perälä (Finland). E. Nyberg (Sweden) did not finish.

1952 (24 July) - 43 competitors. I. Round (22 July): 3 heats (The first five in each qualified). The heats were hotly contested and produced many fast clockings. In the second heat Schade broke the Olympic record as he won in 14:15.4 from Alan Parker of Britain (14:18.2) and Ernő Béres of Hungary (14:19.6). The other heats were won by Mimoun (14:19.0) and Anufriyev (14:23.6). In the final the pre-meet favorites took command after the first kilometer, with Schade leading Chataway, Reiff, Mimoun and Zátópek. In the next two kilometers these five kept close together, except that Pirie joined the group and stayed in the lead for a while. In the last kilometer Reiff suddenly lost contact and disappeared from the picture. Pirie dropped back just before the bell. Here Zátópek was the leader of the four-man group. The last lap saw a titanic struggle. In the backstretch Chataway wrested the lead from Zátópek. But in the last curve the young Briton visibly began to tire. By then Zátópek was starting his final bid, charging wildly, as they approached the homestretch, the Czech began to look like a sure winner, while Chataway, probably brushed by someone, hit the curb and fell. In the straight, Mimoun and Schade desperately tried to hang on but had to surrender. Pirie came from behind to nip the gallant Chataway for fourth. Intermediate times for the leader (Schade): 1000m 2:47, 2000m 5:37.4, 3000m 8:30.4, 4000m 11:24.8. Zátópek ran the last lap (400m) in 58.1, the last 200 meters in 28.3.

1. Emil Zátópek	Czechoslovakia	14:06.6 (OR)
2. Alain Mimoun	France	14:07.4
3. Herbert Schade	Germany	14:08.6
4. Gordon Pirie	Great Britain	14:18.0
5. Christopher Chataway	Great Britain	14:18.0
6. Leslie Perry	Australia	14:23.6

7. E. Béres (Hungary) 14:24.8; 8. Å. Andersson (Sweden) 14:26.0; 9. H. Albertsson (Sweden) 14:27.8; 10. A. Anufriyev (USSR) 14:31.4; 11. A. Parker (GB) 14:37.0; 12. I. Taipale (Finland) 14:40.0; 13. E. Tuomala (Finland) 14:54.2; 14. L. Theys (Belgium) 14:59.0. G. Reiff (Belgium) did not finish.

1956 (28 November) - 23 competitors. I. Round (26 November): 3 heats (the first five in each qualified). The heats were won by Pirie (14:25.6), Lawrence (14:14.6) - Kuts second in 14:15.4 - and Thomas (14:14.2). In the final, Kuts went into the lead very early. At 1000 meters he was still followed by a closely bunched group, but in the next kilometer the hot pace began to tell and only Pirie and Ibbotson stayed with the Russian, while little Thomas led the "second division" a few meters behind the leaders. In the third kilometer Chataway joined the front group. At 3000 meters Kuts was thus followed by three Britons. Shortly afterwards, Chataway had a crisis and soon disappeared from the picture. At 4000 meters Kuts had burned off Pirie, the world record holder, and Ibbotson. The Russian built up a substantial lead and went home an easy, impressive winner. Pirie outsprinted Ibbotson in the straight. Intermediate times for the leader (Kuts): 1000m 2:40.1, 2000m 5:26.2, 3000m 8:11.2, 4000m 10:57.4. Kuts ran the last lap (400m) in 62.8.

1. Vladimir Kuts	USSR	13:39.6 (OR)
2. Gordon Pirie	Great Britain	13:50.6
3. Derek Ibbotson	Great Britain	13:54.4
4. Miklos Szabó II	Hungary	14:03.4
5. Albert Thomas	Australia	14:04.6
6. László Tábori	Hungary	14:09.8

7. Nyandika Maiyoro (Kenya) 14:19.0; 8. T. Thøgersen (Denmark) 14:21.0; 9. P. Bolotnikov (USSR) 14:22.4; 10. I. Chernyavskiy (USSR) 14:22.4; 11. C. Chataway (GB) 14:28.8; 12. H. Schade (Germany) 14:31.8. W. Dellinger (USA) and V. Murgosa (Yugoslavia) did not finish. A. Lawrence (Australia) scratched.

1960 (2 September) - 48 competitors. I. Round (31 August): 4 heats (the first three in each qualified). The first heat was the fastest, mostly because Italy's Luigi Conti forced the pace on his way to a fine national record of 14:01.6, though he finished second to Hans Grodotzki of Germany (14:01.2). The other heats were won by Horst Flosbach of Germany (14:08.4), Janke (14:04.4) and Power (14:03.0). The final two days later was a relatively quiet thing for over half the race. The field remained bunched for more than seven laps, at which point Conti was the first to lose contact. Up to that time, Zimny had led the field for most of the way. Halberg was in the rear guard and only began to move up during the seventh lap. After a short-lived attempt to run away by Australia's Dave Power, Halberg struck with sudden boldness in the tenth lap and soon opened up a gap. While the others, led by Grodotzki, were churning along in full but futile pursuit, Halberg increased his lead to nearly 20 meters. In the last lap Grodotzki closed part of the gap, while Janke and Zimny came from behind to challenge for second place. Halberg understandably faded a bit in the closing stages but managed to earn a hard-won victory. Zimny nearly caught Grodotzki for second. Intermediate times: 1000m 2:41.1 (Zimny), 2000m 5:28.2 (Thomas), 3000m 8:19.3 (Zimny), 4000m 11:01.7 (Halberg). Halberg ran the last 2000 meters in an estimated 5:23.6.

1. Murray Halberg	New Zealand	13:43.4
2. Hans Grodotzki	Germany	13:44.6
3. Kazimierz Zimny	Poland	13:44.8
4. Friedrich Janke	Germany	13:45.8
5. David Power	Australia	13:52.8
6. Nyandika Maiyoro	Kenya	13:52.8

7. M. Bernard (France) 14:04.2; 8. H. Flosbach (Germany) 14:06.6; 9. A. Artinyuk (USSR) 14:08.0; 10. S. Iharos (Hungary) 14:11.4; 11. A. Thomas (Australia) 14:20.4; 12. L. Conti (Italy) 14:34.0.

10,000 METERS

1896, 1900, 1904, 1908: Event not held.

1912 (8 July) - 30 competitors. I. Round (7 July): 3 heats (the first five in each qualified). The fastest time in the heats was Richardson's 32:30.3. Only eleven of the fifteen qualifiers showed up at the start of the final. Hannes Kolehmainen took the lead in the second lap and set a hot pace. Karlsson and Scott managed to stay with the Finn for five laps, then Scott dropped back and a little later Karlsson too was forced to give up. The Swede eventually dropped out at the half-way mark (5,000m), which Kolehmainen reached in 15:11.4. By then Tewanima, an American Indian, had moved to second, with Sterroos on his heels. Tatu Kolehmainen, Hannes' elder brother, retired at 6,000 meters when he was fifth. The sun and the pace began to tell and the field was narrowed down to five men. Kolehmainen covered the second half of the race in 16:09.4 but reportedly finished in good condition - in fact, four other Olympic races awaited him in the next seven days! Tewanima ran away from Sterroos in the closing stages.

1. Hannes Kolehmainen	Finland	31:20.8 (OR)
2. Louis Tewanima	USA	32:06.6
3. Albin Sterroos	Finland	32:21.8
4. Joseph Keeper	Canada	32:36.2
5. Alfonso Orlando	Italy	33:31.2

M. Karlsson (Sweden), Olatu (David) Kolehmainen (Finland), H. L. Scott (USA), W. Scott (GB), H. F. McGuire (USA) and L. Richardson (South Africa) did not finish. G. Heuet (France), E. Glover (GB), J. Ekke and M. Persson (both of Sweden) scratched.

1920 (20 August) - 37 competitors. I. Round (19 August): 3 heats (the first four in each qualified). The fastest time in the heats was 32:08 1/5 by Heikki Liimatainen of Finland. In the early stages of the final Wilson, Guillemot and Nurmi alternated in the lead, but after four laps the Finn was left some 20 meters behind. Then the pace slackened though, and first Nurmi then little Maccario were able to join the two leaders. Guillemot forced the pace with five laps to go and Maccario dropped back. At the bell Nurmi took over, while Wilson lost contact. Guillemot trailed Nurmi and even managed to regain the lead for a while. But when Nurmi spurred again, down the homestretch, the Frenchman could not respond.

1. Paavo Nurmi	Finland	31:45 4/5
2. Joseph Guillemot	France	31:47 1/5
3. James Wilson	Great Britain	31:50 4/5
4. Augusto Maccario	Italy	
5. James Hutton	Great Britain	
6. Jean Manhès	France	

7. H. Liimatainen (Finland); 8. F. Fallar (USA). Other finalists: C. T. Glibbon (GB), G. Heuet (France), O. Garin (Switzerland).

1924 (6 July) - 43 competitors. For the first time in Olympic history, there were no heats. The field was naturally a large one, but after two laps Wide and Ritola ran away from the pack and soon built up a big lead. They kept gaining ground as the race progressed. Ritola outpaced Wide toward the end to win easily in world record time, an amazing achievement in the warm weather. Intermediate times: 1000m 2:47 4/5 (Wide), 2000m 5:45 1/5 (Wide), 3000m 8:47 2/5 (Wide), 4000m 11:52 3/5 (Ritola), 5000m 15:00 1/5 (Ritola), 6000m 18:05 3/5 (Ritola), 7000m 21:05 3/5 (Ritola), 8000m 24:14 1/5 (Ritola), 9000m 27:19 3/5 (Ritola).

1. Ville Ritola	Finland	30:23 1/5 (WR)
2. Edvin Wide	Sweden	30:55 1/5
3. Eero Berg	Finland	31:43 flat
4. Väinö Sipilä	Finland	31:50 1/5
5. Ernest Harper	Great Britain	
6. Halland Britton	Great Britain	

7. G. Tell (France) 32:12; 8. R. E. Johnson (USA); 9. R. Marchal (France) 32:33; 10. A. Motmillers (Latvia).

1928 (29 July) - 24 competitors. Beavers and Ray were the early leaders, but after four laps Ritola and Nurmi moved upfront, followed by Wide and Ray. In the ninth lap, Beavers was again in the lead but only for a short-lived moment. He dropped back irreparably just before the half-way mark. By then the famous Scandinavian trio Ritola-Nurmi-Wide had decisively run away from the rest. The two Finns dropped their Swedish rival in the 18th lap, then ran together till the last lap, when Nurmi managed to build up a narrow but safe margin with a long, sustained spurt. The second half of the race was faster than the first (15:07 4/5 vs 15:11).

1. Paavo Nurmi	Finland	30:18 4/5 (OR)
2. Ville Ritola	Finland	30:19 2/5
3. Edvin Wide	Sweden	31:00 4/5
4. Jean-Gunnar Lindgren	Sweden	31:26 flat
5. A. T. Muggridge	Great Britain	31:31 4/5
6. Ragnar Magnusson	Sweden	31:37 1/5

7. T. Loukola (Finland); 8. K. Matilainen (Finland); 9. ... Beavers (GB); 10. J. S. Smith (GB); 11. R. Marchal (France); 12. G. C. Constable (GB). Twenty of the twenty-four starters finished the race.

1932 (31 July) - 16 competitors. Janusz Kusociński went into the lead at the start and negotiated the first 1500 meters in 4:17. By then only Iso-Hollo, Virtanen, Syring, Lindgren and Savidan were still with him. The Pole went on at relentless speed, occasionally receiving some help from Iso-Hollo. At 3,000 meters (14:56.6), the front group consisted of only four men: Kusociński, Iso-Hollo, Virtanen, Savidan. Soon afterwards Kusociński and Iso-Hollo were out in front alone. The decision came about in the last 200 meters, when Kusociński gradually ran away from the Finn. After running wildly for a while, the Pole dropped to a dog trot in the last few meters but managed to cross the line well ahead of Iso-Hollo. The winner's time was the second best on record up to that time, only Nurmi having run faster (30:06.1 in 1924). Kusociński ran the last lap in 62 seconds.

1. Janusz Kusociński	Poland	30:11.4 (OR)
2. Volmari Iso-Hollo	Finland	30:12.6
3. Lauri Virtanen	Finland	30:35.0
4. John Savidan	New Zealand	31:09.0
5. Max Syring	Germany	31:35.0
6. Jean-Gunnar Lindgren	Sweden	31:37.0

Also started: M. Kitamoto and S. Takenaka (both of Japan), F. Cicarelli (Argentina), A. Cardoso (Brazil), J. H. Rodriguez (Mexico), J. Ribas (Argentina), T. Ottey (USA), L. Gregory (USA), E. Pentti (USA), O. Bricker (Canada).

1936 (2 August) - 30 competitors. Little, stocky Murakoso of Japan went into the lead soon after the start and led the pack for more than half the race. Potts and Eaton, both of Britain, Gebhardt of Germany, Salminen, Iso-Hollo, Askola and Noji were the other men in the front group. Soon after the half-way mark, the Japanese and the three Finns ran away from the rest. In the

seventh kilometer the Finnish trio forged ahead, while Murakoso grimly hung on. It was only after the bell that the Japanese finally lost contact. When Salminen started his bid, Iso-Hollo too dropped back. Askola, known as Salminen's perennial underdog, ran the race of his lifetime but ultimately succumbed to his tall compatriot by a narrow margin. Intermediate times: 1000m 2:46, 2000m 5:45, 3000m 8:53, 4000m 11:56, 5000m 15:01, 6000m 18:06 (estimated), with Murakoso always in the lead, 7000m 21:12 (Askola), 8000m 24:19 (Iso-Hollo), 9000m 27:29 (Askola).

1. Ilmari Salminen	Finland	30:15.4
2. Arvo Askola	Finland	30:15.6
3. Volmari Iso-Hollo	Finland	30:20.2
4. Kohji Murakoso	Japan	30:25.0
5. James Burns	Great Britain	30:58.2
6. Juan Carlos Zabala	Argentina	31:22.0

7. M. Gebhardt (Germany) 31:29.6; 8. D. Lash (USA) 31:39.4; 9. O. Raadal (Norway) 31:40.4; 10. H. Stefert (Denmark) 31:52.6; 11. G. Beviacqua (Italy) 31:57.0; 12. J. Kelen (Hungary) 32:01.0. Twenty-nine of the thirty starters finished the race.

1948 (30 July) - 27 competitors. World record holder Viljo Heino of Finland took the lead in the first lap, with Heinström trailing and Zatopek lagging behind. It was only after nine laps that Zatopek moved up and wrested the lead from Heino. Soon after the half-way mark these two were left alone to battle for victory. With ten laps to go, the Czech made an all-out effort and Heino dropped back immediately. Zatopek's sprints and the warm weather had apparently taken too much out of Heino, and in the seventh kilometer the Finn ran off the track. Zatopek went on and on and finally won by a huge margin from Mimoun, who ran a steady race throughout and came up fast near the end to take second from Albertsson. The latter thought he had lapped the Frenchman and when he realized his mistake he could do nothing to remedy the situation and finished a well beaten third. Sixth place was first awarded to Robert Eyeraert of Belgium, who had in fact retired after 8,000 meters. The time for the first 5,000 meters was 14:54 (Heino). Zatopek ran the last lap (400m) in 66.6.

1. Emil Zatopek	Czechoslovakia	29:59.6 (OR)
2. Alain Mimoun	France	30:47.4
3. Bertil Albertsson	Sweden	30:53.6
4. Martin Stokken	Norway	30:58.6
5. Severt Drenolf	Sweden	31:05.0
6. Abdallah Ben Said	France	31:07.8

7. S. E. W. Cox (GB); 8. J. H. Peters (GB); 9. S. Kōnönen (Finland).

1952 (20 July) - 32 competitors. Perry was the leader in the first two laps, then Anufriyev took over. Zatopek, after lagging behind in the early stages, moved up in the third kilometer and jumped into the lead. At the half-way point he was followed by Mimoun, Pirie, Anufriyev, Sando and Posti, with the rest of the field spreadeagled. In the sixth kilometer, Zatopek's recurrent sprints caused all but Mimoun to drop back. In the eighth kilometer, even Mimoun was dropped. Zatopek had the race won, yet he exerted himself in a gallant but vain effort to beat his own world record (29:02.6). Anufriyev had a crisis mid-way in the race but recovered well enough to take third place ahead of Posti, who ran a well paced race. Intermediate times: 1000m 2:52 (Anufriyev), 2000m 5:51 (Anufriyev), then - with Zatopek always in the lead - 3000m 8:48, 4000m 11:45.6, 5000m 14:43.4, 6000m 17:39.2, 7000m 20:34, 8000m 23:31, 9000m 26:28. Zatopek ran the last lap (400m) in 64 seconds.

1. Emil Zatopek	Czechoslovakia	29:17.0 (OR)
2. Alain Mimoun	France	29:32.8
3. Aleksandr Anufriyev	USSR	29:48.2
4. Hannu Posti	Finland	29:51.4
5. Frank Sando	Great Britain	29:51.8
6. Valter Nyström	Sweden	29:54.8

7. G. Pirie (GB) 30:09.5; 8. Fred Norris (GB) 30:09.8; 9. I. Pozhidayev (USSR) 30:13.4; 10. M. Stokken (Norway) 30:22.2; 11. N. Popov (USSR) 30:24.2; 12. B. Albertsson (Sweden) 30:34.6. All the thirty-two starters finished the race.

1956 (23 November) - 25 competitors. Kuts disclosed his "plot" right after the start by exhorting the entire field with a 61.2 opening lap. Pirie was the only runner who managed to stay with Kuts for the greater part of the race. At the half-way mark, Kuts' time (14:07) was just a shade slower than Zatopek's Olympic record for the 5,000 meters! In the fifth kilometer Pirie lost contact for a while but a quick recovery again brought him in the wake of his great rival. Kuts occasionally veaved out to the second, or even to the third lane, offering Pirie room to pass, but Pirie constantly declined the invitation. It was only in the twentieth lap that Pirie somehow found himself in the lead, while Kuts used his "back seat" position to relax from pressure and plan a new attack. Before the lap was over, the Russian again took the lead and gradually drew away from Pirie. The union finally collapsed and disappeared from the hunt. Kovács who was at one time 18 seconds behind the leaders, came closing fast in the final stages and took second place from Allan Lawrence of Australia with a 61.7 last lap. Kuts did not exert himself too much in the closing stages and his last lap took 66.7 seconds. Intermediate times: (all for the leader Kuts) 1000m 2:43, 2000m 5:31.1, 3000m 8:26, 4000m 11:16, 5000m 14:07, 6000m 17:02, 7000m 20:01, 8000m 23:01, 9000m 25:53.

1. Vladimir Kuts	USSR	28:45.6 (OR)
2. József Kovács	Hungary	28:52.4
3. Allan Lawrence	Australia	28:53.6
4. Zdzislaw Krzyszkowiak	Poland	29:05.0
5. Kenneth Norris	Great Britain	29:21.6
6. Ivan Chernyavskiy	USSR	29:31.6

7. D. Power (Australia) 29:49.2; 8. G. Pirie (GB) 29:49.6; 9. H. Schade (Germany) 30:00.6; 10. F. Sando (GB) 30:05.0; 11. P. Kantorek (Czechoslovakia); 12. A. Mimoun (France). Twenty-three men finished the race, the official times from 4th on bore no relation to the facts. Those given above, though unofficial, were derived from the best evidence available.

1960 (8 September) - 32 competitors. The initial pace was considerably slower than in Kuts' fantastic Melbourne race of 1956. Little or nothing happened during the first half of the race, if we except a short-lived attempt to run away by Bolotnikov and Khadi. The front group usually comprised 20 men or so. Two more kilometers, the sixth and the seventh, caused a few victims, and at 7000 meters the front group comprised 14 men. It was only with seven laps to go that the pace really began to tell. Power tried to run away from the rest, and only Bolotnikov, Groditzki and Desyatichkov managed to stay with him. Merriman and Hyman stubbornly hung on for a while but finally dropped back, as did all the others, including Halberg and Krzyszkowiak, who earlier in the week had won Olympic titles in the 5,000 meters and the steeplechase respectively. When Bolotnikov started his final bid, with 700 meters to go, the other three were forced to give up. Revealing amazing freshness, Bolotnikov quickly built up a good lead. In the last kilometer (2:35.6) he gained 24 seconds vis-à-vis Kuts' closing pace at Melbourne. His last lap was 57.4. Groditzki was a good second, while Power outkicked Desyatichkov for third. It should be noticed that Bolotnikov had finished only 16th at Melbourne four years earlier when a supposedly mature runner of 26. Nine of the first ten finishers in Rome improved on their previous bests by margins ranging from 2.0 (Pirie) to 53.8 (Power), the lone exception being Halberg, who missed his personal best by merely 0.8 sec. The winner himself out 26 seconds off his previous record. Intermediate times for the leaders: 1000m 2:48.2, 2000m 5:37.4, 3000m 8:29.7, 4000m 11:24.6, 5000m 14:22.2, 6000m 17:18.6, 7000m 20:11.7, 8000m 23:01.8 and 9000m 25:53.6.

1. Pyotr Bolotnikov	USSR	28:52.2 (OR)
2. Hans Groditzki	Germany	28:57.0
3. David Power	Australia	28:58.2
4. Aleksey Desyatichkov	USSR	28:59.6
5. Murray Halberg	New Zealand	28:48.8
6. Max Truex	USA	28:50.2

7. Z. Krzyszkowiak (Poland) 28:52.4; 8. J. Merriman (GB) 28:52.6; 9. M. Hyman (GB) 29:04.8; 10. G. Pirie (GB) 29:15.2; 11. S. Harnos (Hungary) 29:19.8; 12. G. Hönické (Germany) 29:20.4; 13. H. Bogey (France) 29:22.4; 14. Abdesslem Khadi (Morocco) 29:34.4; 15. J. Kovács (Hungary) 29:42.2.

3000 METER STEEPLCHASE

Prior to 1920, steeplechase events were held occasionally, but not over this distance.

1920 (20 August) - I. Round (18 August): 3 heats (the first four in each qualified). The race was run on a grass surface just inside the cinder path. The fastest time in the heats was Hodge's 10:17 2/5. In the final Ambrosini was the early leader but in the second lap Hodge moved up front. From then on the Englishman, regarded as an expert in the steeplechase department, was never threatened. He won easily, by a margin which was estimated at nearly 100 meters. There was less than half that distance between second and third. Mattsson was a close fourth.

1. Percy Hodge	Great Britain	10:00 2/5 (OR)
2. Patrick Flynn	USA	
3. Ernesto Ambrosini	Italy	
4. Gustaf Mattsson	Sweden	
5. Michael Devaney	USA	
6. Al Hulsebosch	USA	

7. L. Hedvall (Sweden); 8. R. E. Watson (USA).

1924 (9 July) - 21 competitors. I. Round (7 July): 3 heats (the first three in each qualified). The fastest time in the heats was Katz's 9:43 4/5 (OR). In the final Ritola, being the class of the field in spite of his relatively poor technique over the hurdles, soon built up a long lead and was never headed. Montague injured a knee in attempting to clear the water jump when in third position, and subsequently dropped back irreparably. Katz tripped over a hurdle in the closing stages and had to fight in order to save second place.

1. Ville Ritola	Finland	9:33 3/5 (OR)
2. Elias Katz	Finland	9:44 flat
3. Paul Bontemps	France	9:45 1/5
4. Marvin Rick	USA	9:56 2/5
5. R. A. Ebb	Finland	9:57 3/5
6. E. A. Montague	Great Britain	

7. M. Devaney (USA); 8. A. Isola (France) 10:14 4/5; 9. S. A. Newey (GB).

1928 (4 August) - 22 competitors. I. Round (1 August): 3 heats (the first three in each qualified). One day after their duel in the 5,000 meters, Nurmi and Ritola returned to the track for the steeplechase final. Their countryman Loukola had posted the fastest time in the preliminary round, 9:37 3/5. In the decisive race, Ritola lost contact with the leaders rather early and eventually dropped out. Nurmi, who had fallen headlong into the water in a heat, looked better than his arch rival in the final but still lacked the proper hurdling technique. Loukola, always in good position, alternated in the lead with Andersen, Dalton and Dugesne and in the fifth lap he went out on his own. Nurmi and Andersen made it a clean sweep for Finland.

1. Toivo Loukola	Finland	9:21 4/5 (OR)
2. Paavo Nurmi	Finland	9:31 1/5
3. Ove Andersen	Sweden	9:35 3/5
4. Nils Ekblom	Sweden	9:38 flat
5. Henri Dattigues	France	9:40 flat
6. Lucien Dugesne	France	9:40 3/5

7. M. J. Dalton (USA); 8. W. O. Spencer (USA); 9. V. Ritola (Finland) did not finish.

1932 (6 August) - 15 competitors. I. Round (1 August): 2 heats (the first five in each qualified). Evenson beat the Olympic record in the first heat with 9:18.8. In the second heat Iso-Hollo lowered the record to 9:14.6. In the final the runners negotiated an extra lap due to an "official error". In fact, the official scheduled to count the laps was taken ill and his substitute failed to hold up the numbers the first time the athletes came past him. Iso-Hollo won the race handily, and none of his opponents asked for a runner.

(3,4,60m) 1. Volmari Iso-Hollo	Finland	10:35.4
2. Thomas Evenson	Great Britain	10:46.0
3. Joseph McCluskey	USA	10:46.2
4. Martti Matilainen	Finland	10:52.4
5. George Bailey	Great Britain	
6. Glen Dawson	USA	

7. G. Lippi (Italy); 8. W. Fritchard (USA); 9. V. Toivonen (Finland); 10. N. Bartolini (Italy).

1936 (8 August) - 28 competitors. I. Round (3 August): 3 heats (the first four in each qualified). The fastest time in the heats was Dompert's 9:27.2. In the final, Heyn was the early leader. Defending champion Iso-Hollo forged ahead in the third lap and set a hot pace. Matilainen managed to stay with him for a while, but in the next lap "Iso" drew away from his countryman, increasing his lead gradually. Iso-Hollo finally won in world record time (unofficial, since no world records were accepted for this event in those days). Matilainen dropped to fourth in the closing stages, while Tuominen held off Dompert in a grand fight for second.

1. Volmari Iso-Hollo	Finland	9:03.8 (OR)
2. Kaarlo Tuominen	Finland	9:06.8
3. Alfred Dompert	Germany	9:07.2
4. Martti Matilainen	Finland	9:09.0
5. Harold Manning	USA	9:11.2
6. Lars Larsson	Sweden	9:16.6

7. W. Wihtols (Latvia) 9:18.8; 8. G. Dawson (USA) 9:21.2; 9. J. Heyn (Germany) 9:26.4; 10. J. McCluskey (USA) 9:29.4; 11. R. Rerolle (France) 9:40.8; H. Holmqvist (Sweden) did not finish. Times from 7th to 11th were decided on time camera.

1948 (5 August) - 26 competitors. I. Round (3 August): 3 heats (the first four in each qualified). The fastest time in the heats was Elmsäter's 9:15.0. In the final the Swedish trio Sjöstrand-Elmsäter-Hagström ran a masterful race. Their most serious rival, European champion Raphaël Pujazon of France, was assailed by stomach trouble near the half-way mark and had to retire. At that stage, Elmsäter was in the lead, with Sjöstrand and Siltaloppi of Finland trailing, while Hagström was lagging behind. The two Swedes alternated in the lead and dropped Siltaloppi in the last lap. Then Sjöstrand drew away from Elmsäter, who was until then history's only sub-9 min. performer. In the closing stages, Hagström produced an electrifying burst of speed and moved from fifth to third, while Guyodo beat the tiring Siltaloppi for fourth.

1. Tore Sjöstrand	Sweden	9:04.6
2. Erik Elmsäter	Sweden	9:08.2
3. Göste Hagström	Sweden	9:11.8
4. Alex Guyodo	France	9:13.6
5. Pentti Siltaloppi	Finland	9:19.6
6. Petar Segedin	Yugoslavia	9:20.4

7. B. Ross (USA); 8. C. Miranda (Spain); 9. R. Everaert (Belgium); 10. A. Kainlauri (Finland); 11. R. Chesneau (France) 9:30.2. R. Pujazon (France) did not finish.

1952 (27 July) - 33 competitors. I. Round (25 July): 3 heats (the first four in each qualified). No less than eight men beat Iso-Hollo's old Olympic record in the qualifying round. Kazantsev won the first heat in 8:58.0, Disley just beat Rinteenpää in the second as both ran 8:59.4, and Ashenfelter took the third heat in a surprising 8:51.0—improving on his personal best by 15.4 seconds!—from Saltikov, 8:55.8. In the final, Saltikov led the field in the first kilometer, but in the third lap Ashenfelter moved up front, with Kazantsev in his wake. After another lap these two had a 5-meter lead on their nearest pursuer, Rinteenpää. At the bell, Ashenfelter and Kazantsev were still running abreast, while Disley began to emerge from behind. Just before they entered the last curve, Kazantsev made a big effort and wrested the lead from his American rival. But the last water jump saw Kazantsev (holder of the unofficial world record, 8:48.6) in trouble. Ashenfelter regained his front position and opened up a decisive gap, which widened steadily to the end. Disley had a great finish and barely failed to catch Kazantsev on the post. The winner was rewarded with a new, though unofficial, world record. Intermediate times: 1000m 2:49.8 (Saltikov), 2000m 5:47.4 (Ashenfelter). Last lap (400m) 68.6 (Ashenfelter).

1. Horace Ashenfelter	USA	8:45.4 (OR)
2. Vladimir Kazantsev	USSR	8:51.6
3. John Disley	Great Britain	8:51.8
4. Olavi Rinteenpää	Finland	8:55.2
5. Curt Söderberg	Sweden	8:55.6
6. Günther Hesselmann	Germany	8:55.8

7. M. Saltikov (USSR) 8:56.2; 8. H. Gude (Germany) 9:01.4; 9. J. Apró (Hungary) 9:04.2; 10. C. Önel (Turkey) 9:04.4; 11. C. Brasher (GB) 9:14.0; 12. G. Karlsson (Sweden) 10:26.4.

1956 (29 November) - 23 competitors. I. Round (27 November): 2 heats (the first five in each qualified). In the first heat, Horace Ashenfelter duplicated his qualifying time of 1952 in Helsinki (8:51.0) only to find that such a mark no longer sufficed to make the final. In fact he was shunted to sixth by Rozsnyói (8:46.6), Disley (8:46.6), Larsen (8:46.8), Jones (8:47.4) and Krzyszkowski (8:48.0). Shirley won the second heat in 8:52.6 from Rzhishchin (8:53.0), Laufer (8:53.0), Brasher (8:53.8) and Robbins (8:55.4). Krzyszkowski withdrew from the final because of an injury. In the decisive race, Larsen immediately shot into the lead. After three laps he had about 8 meters on his nearest followers, Rozsnyói and Rzhishchin, the last-named duo caught Larsen in the second kilometer, while Brasher moved up to fourth. Early in the final lap, Rzhishchin forged ahead, only to be overtaken while later by Rozsnyói and Larsen. In the next-to-the-last curve Larsen swung out a little and Brasher went through the gap immediately, not without pushing Larsen aside. Continuing his sustained drive, Brasher built up a substantial lead and soon had the race won. Rozsnyói barely held off Larsen for second, while Laufer finished strongly to take fourth. At first, Brasher was disqualified for hindering an opponent (Larsen). Later on, he was reinstated by the Jury of Appeal who, after hearing the parties concerned, came to the conclusion that the foul had been unintentional and not detrimental on the outcome of the race. Intermediate times: 1000m 2:52.4 (Larsen), 2000m 5:53.7 (Larsen).

1. Christopher Brasher	Great Britain	8:41.2 (OR)
2. Sándor Rozsnyói	Hungary	8:43.6
3. Ernst Larsen	Norway	8:44.0
4. Heinz Laufer	Germany	8:44.4
5. Semyon Rzhishchin	USSR	8:44.6
6. John Disley	Great Britain	8:44.6

N. Robbins (Australia) 8:50.0; 8. E. Shirley (GB) 8:57.0; 9. C. Jones (USA) 13.0.

1960 (3 September) - 32 competitors. I. Round (1 September): 3 heats (the first three in each qualified). Sokolov won the first heat in 8:45.2 from Tjörnebo (8:48.6), Hüneke (8:50.4) and Georgios Papavasiliou of Greece (8:51.2). European champion and world record holder Krzyszkowski took the second heat in 8:49.6 from Müller (8:49.6), Konov (8:50.0) and George Young of USA (8:50.8). Rzhishchin won the third heat in 8:48.0 from Jones (8:49.2), Roelants (8:49.4), with Hermann Buhl of Germany the fastest non-qualifier at 8:49.6. In the final two days later the weather was hot (30° C or 86° F). Konov led the pack in the first kilometer, with Roelants and Sokolov in close attendance, while Krzyszkowski lay quietly in the middle of the field. In the second kilometer Konov dropped back and Sokolov took the lead. Krzyszkowski had by then moved up to third, behind Roelants. In the backstretch of the last lap, the Pole forced the pace, and not one of his rivals was able to respond. The two Russian veterans, Sokolov and Rzhishchin, took second and third respectively, while Roelants—who bettered nine minutes for the first time in 1959—was a good fourth. Intermediate times: 1000m 2:45.0 (Konov), 2000m 5:45.8 (Sokolov).

1. Zdzisław Krzyszkowski	Poland	8:34.2 (OR)
2. Nikolay Sokolov	USSR	8:36.4
3. Semyon Rzhishchin	USSR	8:42.2
4. Gaston Roelants	Belgium	8:47.6
5. Gunnar Tjörnebo	Sweden	8:58.6
6. Ludwig Müller	Germany	9:01.6

7. C. Jones (USA) 9:18.2; 8. A. Konov (USSR) 9:18.2. H. Hüneke (Germany) did not finish.

110 METER HURDLES

1900 (14 July) - 8 competitors. I. Round (14 July): 3 heats (winners only qualified). Kraenzlein set the initial Olympic record in the first heat with 17 3/5. The other heats were won by Pritchard and Lecuyer. In a special heat (repêchage) for second and third place men, Moloney and McLean also secured admission to the final. In the decisive race, McLean was off the marks first and Kraenzlein did not overtake him until the next-to-the-last hurdle. Kraenzlein's winning margin was a half meter or so. Moloney finished strongly to take third place.

1. Alvin Kraenzlein	USA	15 2/5 (OR)
2. John McLean	USA	
3. Fred Moloney	USA	
4. A. Lecuyer	France	
5. Norman Pritchard	India	

1904 (3 September) - I. Round (3 September): 2 heats (the first two in each qualified). The heats were won by Schule and Castleman, both with 16 1/5. Shideler, who was reputed to have run the distance in 15 flat, and Schule were the leaders in the initial stages of the final and ran abreast up to the sixth hurdle. Then Schule's long legs helped him to run away from his shorter opponent. Schule won by almost 2 meters. Third and fourth were well beaten.

1. Fred Schule	USA	16 flat
2. Thaddeus Shideler	USA	
3. L. Ashburner	USA	
4. Frank Castleman	USA	

1908 (25 July) - 25 competitors. I. Round (23 July): 14 heats (winners only qualified). II. Round (24 July): 4 semi-finals (winners only qualified). Smithson tied the Olympic record (15 2/5) in his semi-final. In the decisive race he had an excellent start and gained ground over each hurdle. He finally won by about 5 meters. The race was on grass. There is a picture of Smithson clearing a hurdle while holding a book in his left hand. Whether this was in the prelims or in the final (the latter was on a Saturday) we do not know.

1. Forrest Smithson	USA	15 flat (WR)
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2. John Garrels	USA
3. Arthur Shaw	USA
4. W. M. Rand	USA

1912 (12 July) - 21 competitors. I. Round (11 July): 11 heats (the first two in each qualified). II. Round (11 July): 6 semi-finals (winners only qualified). The heats were a most fantastic round, resulting in the elimination of exactly one competitor: Alfredo Paganini of Italy. In the final, Nicholson and Powell were a fraction behind the rest at the start, but the Englishman drew level with the leading Americans at the second flight. Mid-way in the race, however, Powell began to fade, while Kelly, Wendell and Nicholson were slightly ahead of the others. Nicholson hit the eighth hurdle though, and the final struggle for first was between Kelly and Wendell, with the former forging ahead just before the tape. Hawkins edged Case for third by the narrowest of margins.

1. Fred Kelly	USA	15.1
2. James Wendell	USA	15.2
3. Martin Hawkins	USA	15.3
4. John Case	USA	
5. Kenneth Powell	Great Britain	
6. John Nicholson	USA	

1920 (18 August) - 21 competitors. I. Round (17 August): 6 heats (the first two in each qualified). II. Round (17 August): 2 semi-finals (the first three in each qualified). The fastest time in the heats was Barron's 15 1/5. The winners of the semi-finals, Barron and Thomson, both returned 15 flat. In the final Thomson, a Canadian student at Dartmouth College and holder of the world's 120 yards hurdles record of 14 2/5, led all the way and won by 2 1/2 meters. Barron and Murray were in contention during the first half of the race, then faded gradually. Barron came home an easy second though.

1. Earl Thomson	Canada	14 4/5 (WR)
2. Harold Barron	USA	
3. Fred Murray	USA	
4. Harry Wilson	New Zealand	
5. Walker Smith	USA	
6. Carl-Axel Christiernsson	Sweden	

1924 (9 July) - 27 competitors. I. Round (8 July): 8 heats (the first two in each qualified). II. Round (8 July): 3 semi-finals (the first two in each qualified). The fastest time in the prelims was 15 1/5—by Atkinson (heat) and Guthrie (semi-final). In the final Atkinson and Kinsey were off together and ran abreast for the greater part of the distance. Atkinson took the ninth hurdle a few centimeters in front and rose to the last 30 centimeters in front but hit the barrier with his rear foot and stumbled. He had a gallant recovery, however, and the end found him not more than 10 centimeters behind Kinsey. Guthrie finished a close third but was disqualified for knocking down three hurdles: he was officially placed sixth. In fact, each of the 6 finalists knocked down one or more hurdles. Anderson tripped over the tenth barrier and finished last.

1. Dan Kinsey	USA	15 flat
2. Sydney Atkinson	South Africa	
3. Sten Pettersson	Sweden	
4. Carl-Axel Christiernsson	Sweden	
5. Karl Anderson	USA	
6. George Guthrie (USA)	USA	finished third but was disqualified.

1928 (1 August) - 41 competitors. I. Round (31 July): 9 heats (the first two in each qualified). II. Round (31 July): 3 semi-finals (the first two in each qualified). Weightman-Smith equalled the Olympic record (14 4/5) in a heat, and so did Dye and Anderson in winning the first two semi-finals. In the third weightman-Smith, hurdling beautifully, lowered the record to 14 3/5, which also constituted a new world mark for the metric distance. In the final Weightman-Smith shot into the lead at the start, with Collier almost level with him, and Anderson and Atkinson next. The decision came about when Weightman-Smith hit the ninth hurdle, while Anderson and Atkinson, who had been running abreast all the way, passed Collier. In a hectic finish the South African edged Anderson by a few centimeters.

1. Sydney Atkinson	South Africa	14 4/5
2. Stephen Anderson	USA	14 4/5
3. John Collier	USA	15 flat
4. Leighton Dye	USA	
5. George Weightman-Smith	South Africa	
6. Frederick Gaby	Great Britain	

1932 (5 August) - 17 competitors. I. Round (2 August): 4 heats (the first three in each qualified). II. Round (2 August): 2 semi-finals (the first three in each qualified). The semi-finals offered some close struggles: in the first, Keller set a new Olympic record of 14.5, and in the second, Saling did 14.4 in just beating Beard. In the final, Saling drew lane 5 and Beard got lane 2. The two Americans battled on even terms all the way. Beard was in the lead when he hit the sixth hurdle. Despite his gallant recovery he just could not catch Saling, who won by a scant margin. Finlay was a safe third, while Keller just nipped Burghley for fourth. Each of the 6 finalists hit one or more hurdles, Welscher being the greatest offender with four.

1. George Saling	USA	14.6
2. Percy Beard	USA	14.7
3. Donald Finlay	Great Britain	14.8
4. Jack Keller	USA	
5. David Burghley	Great Britain	
6. Willi Welscher (Germany)	Germany	finished last but was disqualified.

1936 (6 August) - 31 competitors. I. Round (5 August): 6 heats (the first two in each qualified). II. Round (6 August): 2 semi-finals (the first three in each qualified). Towns was the fastest qualifier in the first round with 14.5. The next day, aided by a slight wind under the allowable limit, he did 14.1, thus equaling the world record he had set in the States earlier in the season. Finlay won the second semi-final in 14.5. In the final Pollard (lane 6) was off fast and led the field until the third hurdle. Then Towns (lane 2) shot into the lead, built up a good margin and was never headed. Finlay (lane 1) moved up from fourth to second in the closing stages. Second to fourth were tightly bunched though.

1. Forrest Towns	USA	14.2
2. Donald Finlay	Great Britain	14.4
3. Fred Pollard	USA	14.4
4. Håkan Lidman	Sweden	
5. John St. L. Thornton	Great Britain	
6. Larry O'Connor	Canada	

1948 (4 August) - 28 competitors. I. Round (3 August): 6 heats (the first two in each qualified). II. Round (4 August): 2 semi-finals (the first three in each qualified). In the prelims, Dixon did 14.2 twice (heat and semi-final). Porter won the other semi-final in 14.1 (=OR) from Scott, 14.2. The final saw two distinct races, with the three Americans forming the first division. Porter was off fast and ran a beautiful race. However, he tipped three hurdles and that enabled Dixon to close on him mid-way in the race. The feud was close until the eighth hurdle, where Porter decisively ran away from his countryman. Scott closed fast to nip Dixon for second. Triulzi was the permanent leader in the second division and took fourth place, while Lidman faded toward the end.

1. William Porter	USA	13.9 (OR)
2. Clyde Scott	USA	14.1

3. Craig Dixon	USA	14.1
4. Alberto Triulzi	Argentina	14.6
5. Peter Gardner	Australia	
6. Håkan Lidman	Sweden	

1952 (24 July) - 30 competitors. I. Round (23 July): 6 heats (the first two in each qualified). II. Round (24 July): 2 semi-finals (the first three in each qualified). Dillard equalled the Olympic record (13.9) in the first heat, and Davis did 14.0 in the third. The two semi-finals were won by Dillard (14.0) and Davis (14.4). In the final Dillard (lane 5) was off fast, as usual, but Davis (lane 2) also had a good start. On the third hurdle the fast moving Dillard had a 1-meter lead on Davis. The latter seemed to be closing mid-way in the race but then knocked down the ninth hurdle and finally lost by a few centimeters. Barnard, off badly, got up to finish an easy third. Bulanchik beat the two Australians--apparently far from their home form--in the race for fourth.

1. Harrison Dillard	USA	13.7 (OR)
2. Jack Davis	USA	13.7
3. Art Barnard	USA	14.1
4. Yevgeniy Bulanchik	USSR	14.5
5. Kenneth Doubleday	Australia	14.7
6. Ray Weinberg	Australia	14.8

1956 (28 November) - 24 competitors. I. Round (27 November): 4 heats (the first three in each qualified). II. Round (28 November): 2 semi-finals (the first three in each qualified). Winners in the first round were Davis (14.0), Calhoun (14.1--against a 3.0 m/s wind), Shankle (14.0) and Lauer (14.2). In the next round all the three Americans were clocked in 14.0, though running into the wind, as Davis won the first semi-final handsly and Calhoun took the second from Shankle by a narrow margin. In the final the runners battled against a 1.9 m/s wind. Lorgner and Calhoun (lane 2) were off faster than the rest. On the fourth hurdle Calhoun led Davis (lane 5) by centimeters, but the latter drew level by the eighth hurdle. The two Americans were never more than a few centimeters apart in the closing stages. Both used a pronounced lunge for the tape. Calhoun got the verdict after examination of the photo finish. For the second time in his career Davis became a co-holder of the Olympic record without winning the gold medal. Shankle was an easy third. Lauer, not yet 20, just beat his European rivals for fourth.

1. Lee Calhoun	USA	13.5 (OR)
2. Jack Davis	USA	13.5
3. Joel Shankle	USA	14.1
4. Martin Lauer	Germany	14.5
5. Stanko Lorgner	Yugoslavia	14.5
6. Boris Stoljarov	USSR	14.6

The official times for fourth to sixth (14.7 for all) were obviously in error. The times given above are the correct version adopted by the AAU of Australia.

1960 (5 September) - 36 competitors. I. Round (3 September): 6 heats (the first four in each qualified). II. Round (3 September): 4 quarter-finals (the first three in each qualified). III. Round (5 September): 2 semi-finals (the first three in each qualified). The first two rounds were rather uneventful: May did 14.0 in the first and 13.8 in the second, in the latter case winning from Mikhailov (13.9). The other quarter-finals were won by Calhoun (14.1), Lauer (13.9) and Jones (14.1). May won the first semi-final in 13.7 from Jones (14.1), Gardner (14.2) and Nereo Swara of Italy (14.3), while Calhoun took the second in 13.7 from Lauer (14.0), Chistyakov (14.3) and Ghulam Raziq of Pakistan (14.3). In the final the draw placed May and Calhoun, who appeared the class of the field, head and head in lanes 1 and 2. Lauer was in lane 3 and Jones in 6. Calhoun was off ahead and had about half a meter on May at the first hurdle. Then May began to chop the disadvantage and his superior speed brought him within centimeters of Calhoun as they went over the last hurdle. In the run-in May closed the gap almost entirely and the champions went through the tape shoulder to shoulder, both using a pronounced lean. Just as in Melbourne four years earlier, Calhoun was declared the winner after examination of the photo finish. The time was "only" 13.8. In fact a strong wind blew against the hurdlers during the race. How the official report could give a strange 0.002 m/s favoring wind--that was something nobody seemed to understand. Lauer, co-holder of the world record (13.2) hit three hurdles yet he came up to challenge Jones for third at the end.

1. Lee Calhoun	USA	13.8
2. Willie May	USA	13.8
3. Hayes Jones	USA	14.0
4. Martin Lauer	Germany	14.0
5. Keith Gardner	West Indies	14.4
6. Valentin Chistyakov	USSR	14.6

400 METER HURDLES

1896: Event not held.

1900 (15 July) - 5 competitors. The event had originated in Europe. In fact it was not to appear in the USA Championship program until 1914. Therefore, great was the surprise when the undefeated French champion, Tauzin, was out-paced by Tewksbury, a virtual newcomer to the event though very well known as a sprinter. The American used his superior speed to good advantage and won handsly, while Tauzin barely saved second from Orton.

1. John Tewksbury	USA	57 3/5 (OR)
2. Henri Tauzin	France	
3. George Orton	USA	
4. W.F. Lewis	USA	

1904 (31 August) - The race was run over 2'6" (76 centimeters) hurdles and was won by Harry Hillman of USA in 53 flat.

1908 (22 July) - 15 competitors. I. Round (20 July): 12 heats (winners only qualified). II. Round (21 July): 4 semi-finals (winners only qualified). The first round was of little significance: of the 12 heats, one had no starter, 7 had only one starter, and the remaining 4 had two starters! Bacon had the fastest time, 57 flat (OR). Defending champion Harry Hillman ran the fastest semi-final: 56 2/5 (OR). In the final, Tremear and Burton were outpaced in the first 150 meters. Bacon and Hillman ran almost abreast for the greater part of the race and took the last hurdle together. Bacon won in the run-in by 1 1/2 meters.

1. Charles Bacon	USA	55 flat (WR)
2. Harry Hillman	USA	
3. Leonard Tremear	Great Britain	
Leslie Burton (GB) did not finish.		

1912: Event not held.

1920 (16 August) - I. Round (15 August): 5 heats (the first two in each qualified). II. Round (15 August): 2 semi-finals (the first three in each qualified). The fastest time in the heats was Loomis' 54 4/5 (OR). The semi-finals were won by Desch and Loomis, both in 55 2/5. In the final, Géo André forced the pace in the first 200 meters, after which he was overtaken by Loomis, who won handsly in world record time. Norton and Desch also passed André in the home-stretch.

1. Frank Loomis	USA	54 flat (WR)
2. John Norton	USA	
3. August Desch	USA	

4. Géo André	France	
5. Carl-Axel Christiernsson	Sweden	
6. Charles Daggis	USA	

1924 (7 July) - 23 competitors. I. Round (6 July): 6 heats (the first two in each qualified). II. Round (6 July): 2 semi-finals (the first three in each qualified). In the preliminary rounds, Brookins had the fastest times: 54 4/5 (heat) and 54 3/5 (semi-final). In the final André--by then a 35-year-old warrior-- Brookins and Taylor were soon clear of the rest. The Frenchman again dropped back in the second half of the race, and Taylor finally edged Brookins by a good meter. Vilén ran well in the closing stages and finished a safe third. Brookins--timed in 52 4/5--was disqualified for failing to clear a hurdle cleanly and running out of his lane. Blackett finished last but was disqualified for knocking down three hurdles. In fact even the winner knocked down a hurdle, the last, and his world record time was not allowed under the rule then in force. Vilén thus earned an Olympic record while finishing third!

1. F. Morgan Taylor	USA	52 3/5
2. Erik Vilén	Finland	53 4/5 (OR)
3. Ivan Riley	USA	54 1/5
4. Géo André	France	56 1/5

Charles Brookins (USA) finished second but was disqualified. F.J. Blackett (GB) finished sixth but was disqualified.

1928 (30 July) - 27 competitors. I. Round (29 July): 6 heats (the first two in each qualified). II. Round (29 July): 2 semi-finals (the first three in each qualified). The fastest time in the heats was Cuhel's 54 3/5. The semi-finals were won by Taylor (53 2/5 OR) and Livingstone-Learmonth (54 flat). The final was run on a soft track. The two Britons were the early leaders, with Burghley (lane 5) in front. Cuhel (lane 1) and Taylor (lane 3) closed fast in the last curve and looked capable of overtaking Burghley. With everybody fading in the home stretch, Burghley, perhaps not a copybook stylist but certainly a great competitor, maintained his lead till the end. Cuhel just edged Taylor for second, while "Sten-Pelle" Pettersson finished a close fourth.

1. David Burghley	Great Britain	53 2/5 (=OR)
2. Frank Cuhel	USA	53 3/5
3. F. Morgan Taylor	USA	53 3/5
4. Sten Pettersson	Sweden	53 4/5
5. Thomas Livingstone-Learmonth	Gt. Britain	54 1/5
6. Luigi Facelli	Italy	55 4/5

1932 (1 August) - 18 competitors. I. Round (31 July): 4 heats (the first three in each qualified). II. Round (31 July): 2 semi-finals (the first three in each qualified). The two semi-finals were won by Hardin and Tisdall, both in 52.8 (OR). Areskoug was runner-up to Tisdall in the second semi-final in 53.2. In the decisive race Tisdall (lane 4) ran well from the start, held his form throughout the race and finally won in world record time. A fantastic achievement for a man who before the Games had run the "intermediates" only three times! However, his record time was not allowed under the rule then in force because he knocked down a hurdle. Hardin (lane 7) finished strongly to take second from Taylor. Defending champion Burghley faded a bit near the end yet he finished a fairly close fourth. Facelli, by then 34, was an honorable fifth. The times of the first three were officially rounded off to 51.8, 52.0 and 52.2 (1) respectively. Hardin thus became the new holder of the Olympic record at 52.0.

1. Robert Tisdall	Ireland	51.7
2. Glenn Hardin	USA	51.9 (OR as 52.0)
3. F. Morgan Taylor	USA	52.0
4. David Burghley	Great Britain	52.2
5. Luigi Facelli	Italy	53.0
6. Kjell Areskoug	Sweden	54.6

1936 (4 August) - 32 competitors. I. Round (3 August): 6 heats (the first two in each qualified). II. Round (4 August): 2 semi-finals (the first three in each qualified). The fastest time in the heats was White's 53.4. The semi-finals were won by Hardin (53.2) and Patterson (52.8). In the first Manticas nosed out 51.7 man Dale Schofield (USA) for third in a photo finish decision. In the final the hurdlers battled against strong winds. Hardin (lane 6) went into the lead early, but White (lane 5) hung on grimly. On the fourth hurdle, the Filipino was actually a fraction ahead of the world record holder (50.6 in 1934). Patterson (lane 1) drew level with the two leaders on the fifth hurdle, and the three ran practically abreast till the eighth barrier, where Hardin finally pulled away. Loaring (lane 3) closed fast, moving up from fourth to second.

1. Glenn Hardin	USA	52.4
2. John Loaring	Canada	52.7
3. Miguel White	Philippines	52.8
4. Joseph Patterson	USA	53.0
5. Sylvio de Magalhães Padilha	Brazil	54.0
6. Hristos Manticas	Greece	54.2

1948 (31 July) - 25 competitors. I. Round (30 July): 6 heats (the first two in each qualified). II. Round (30 July): 2 semi-finals (the first three in each qualified). The semi-finals offered some hectic struggles. Larsson won the first in 51.9 (OR) from Ault (52.1), White (52.1) and Jean-Claude Arifon of France (52.2), who was the fastest non-qualifier. Cochran won the second semi-final in 51.9 (-OR) from Gros (52.5) and Missoni (53.4), who barely beat Harry Whittle of Britain (53.4). In the final White was off fast but Cochran, after bidding his time for a while, opened up a gap and won by a huge margin. White had no trouble in saving second place from a tiring Larsson in the closing stages.

1. Roy Cochran	USA	51.1 (OR)
2. Duncan White	Ceylon	51.8
3. Rune Larsson	Sweden	52.2
4. Richard Ault	USA	52.4
5. Yves Gros	France	53.3
6. Ottavio Missoni	Italy	54.0

1952 (21 July) - 40 competitors. I. Round (20 July): 8 heats (the first three in each qualified). II. Round (20 July): 4 quarter-finals (the first three in each qualified). III. Round (21 July): 2 semi-finals (the first three in each qualified). Moore proved the class of the field from the beginning, doing 51.8 (heat) and 50.8 (OR, quarter-final), the latter with 200 meter fractions of 24.6 and 26.2 and despite a wet track. The semi-finals were won by Lituyev (51.8) from Holland (52.0), Yulin (52.1) and David Gracie of Britain (52.4), and by Moore (52.0) from Whittle (52.9) and Filiput (53.0), who barely beat three others--Yoder of USA, Lippay of Hungary and Lunyov of USSR--in a mass finish. The final was run about 2 1/2 hours later on a heavy, rain-soaked track. Moore (lane 6) and Lituyev (lane 1) fought it out all the way. With 200 meters to go they were clear of the field. Moore held an advantage at that stage, but Lituyev pulled even on the eighth hurdle. However, the Russian lost vital ground in the next flight. Moore was very strong in the run-in and finally won by a clear margin. Holland was a good third. The winner strode "thirteens" until the fifth hurdle, then "fifteens" until the last. His 200 meter fractions were 25.0 and 25.8.

1. Charles Moore	USA	50.8 (=OR)
2. Yuriy Lituyev	USSR	51.5
3. John Holland	New Zealand	52.2
4. Anatoliy Yulin	USSR	52.8
5. Harry Whittle	Great Britain	53.1
6. Armando Filiput	Italy	54.4

1956 (24 November) - 28 competitors. I. Round (23 November): 6 heats (the first two in each qualified), II. Round (24 November): 2 semi-finals (the first three in each qualified). Culbreath barely missed the Olympic record in a heat with a scintillating 50.9. Southern won the first semi-final in 50.1 (OR) from Davis (50.7), who did not go all out, Potgieter (51.3) and Guy Cury of France (51.5), the fastest non-qualifier. Culbreath did 50.9 again in taking the second semi-final from Lean (51.4) and Lituyev (51.8). The final was run 2 1/2 hours later. Southern (lane 1) was off fast and had a slight lead on Davis on the third hurdle. This he increased in the next two flights and was unofficially timed in 22.5 on top of the fifth hurdle (185 meters), with Davis showing 22.7. The world record holder started his bid in the last curve and by the eighth hurdle (290 meters) he had overtaken his rival, 35.8 to 35.9. Davis, always a strong finisher, increased his lead in the home stretch, while Southern wound up an easy second. The race for third was close up to the last hurdle: 19-year-old Potgieter held a slight advantage on Culbreath at that stage but hit the last barrier and fell badly. Culbreath thus clinched third just ahead of Lituyev.

1. Glenn Davis	USA	50.1 (OR)
2. Eddie Southern	USA	50.8
3. Josh Culbreath	USA	51.6
4. Yuriy Lituyev	USSR	51.7
5. David Lean	Australia	51.8
6. Gerhardus Potgieter	South Africa	56.0

1960 (2 September) - 34 competitors. I. Round (31 August): 6 heats (the first two in each plus the two fastest of the rest-qualified), II. Round (1 September): 2 semi-finals (the first three in each qualified). Galliker posted a nifty 51.0 in the first heat--the fastest. Davis won the first semi-final in 51.1 from Rintamäki (51.1), Janz (51.4) and Georgiy Chevalov of USSR (52.0) while Cushman took the second in 50.8 from Howard (50.8) and Galliker (51.3), who beat out Salvatore Morale of Italy (51.3). In the final the following day, Davis (lane 6) made several mistakes in the first half of the race, yet he was unofficially timed in 24.0 at the half-way point, being a shade behind Janz (lane 2), 23.9, and just ahead of Howard (lane 1), 24.1, while Cushman (lane 5) was lagging behind in 24.5. Davis came closing fast in the second half of the race and took the lead on the last hurdle. Cushman gained on every body in the final stages but had to be content with second. Janz hung on grimly and eventually became Europe's first sub-50 secs. man, yet he could not prevent Howard from making it a clean sweep for USA. Four of the six finalists improved on their personal bests, one (Galliker) tied it, and the winner barely missed his 1958 world record by one tenth of a second.

1. Glenn Davis	USA	49.3 (OR)
2. Clifton Cushman	USA	49.6
3. Dick Howard	USA	49.7
4. Helmut Janz	Germany	49.9
5. Jussi Rintamäki	Finland	50.8
6. Bruno Galliker	Switzerland	51.0

HIGH JUMP

1896 (10 April) - 5 competitors. The initial height was 1.50 (4'11"1/8). Prizes were awarded only to first and second. Positions and heights for the other three are rather controversial.

1. Ellery Clark	USA	1.81	5'11"1/4 (OR)
2. James Connolly	USA	1.72	5'7"3/4
3. Robert Garrett	USA	1.71	5'7"3/8
4. Fritz Hofmann	Germany	1.70	5'7"
5. Henrik Sjoberg	Sweden	1.70	5'7"

1900 (15 July) - 10 competitors. A qualifying round was held on 14 July. Two of the three USA qualifiers--W.P. Remington, W.C. Carroll--refused to compete in the final on the grounds that this was on a Sunday. Baxter beat Leahy (a 6'4"3/4-1.95 jumper) at 1.90, then attempted to break the world record (6'5"5/8-1.972) but failed, partly because unrestrained spectators crowding around the standards made it difficult for him to concentrate properly.

1. Irving Baxter	USA	1.90	6'2"3/4 (OR)
2. Patrick Leahy	Great Britain	1.78	5'10"1/8
3. Lajos Gönczy	Hungary	1.75	5'8"7/8
4. C.A. Andersen	Norway	1.70	5'7"
5. Erik Lemming	Sweden	1.70	5'7"
6. H. Steffens	Germany	1.70	5'7"

1904 (29 August) - Samuel Jones, a 3-time USA champion, won a hotly contested event. Serviss took second from Weinstein on the jump-off.

1. Samuel Jones	USA	1.80	5'11"
2. G.P. Serviss	USA	1.775	5'10"
3. Paul Weinstein	Germany	1.775	5'10"
4. Lajos Gönczy	Hungary	1.75	5'9"
5. E. Freymark	USA		
6. E.J. Barker	USA		

1908 (21 July) - 20 competitors. A qualifying round was held in the morning of 21 July and jumping was done in sections. Presumably, preliminary marks carried over, for nobody except Gomodi improved in the final. Porter, the winner, jumped a half inch (1.27 cms) above his own height. There was a "dead heat" for second to fourth and all three were awarded silver medals; André was 19 at the time.

1. Harry Porter	USA	1.905	6'3" (OR)
2. Gon Leahy	Great Britain	1.88	6'2"
3. István Gomodi	Hungary	1.88	6'2"
2. Odo André	France	1.88	6'2"
5. Herbert Sidney	USA	1.855	6'1"
5. Tom Moffitt	USA	1.855	6'1"

7. J.W. Patterson (USA) 1.83-6'0"; A. Hedenlund (Sweden) qualified for the final with 1.80-5'11" but did not compete.

1912 (8 July) - 26 competitors. A qualifying round was held on 7 July, and 11 of the 26 entrants cleared the qualifying height, 1.83-6'0". In the final, seven men were still in contention by the time the bar was raised to 1.87-6'1"5/8. The height proved too much only for Grumpelt and Johnstone. At 1.89-6'2"1/2 only Liesche, Horine and Richards cleared the bar, all on their second tries. Horine, who had set a world record of 2.005-6'7" a few weeks earlier in USA, failed at 1.91-6'3"1/4, while Liesche went over on his first attempt. When Richards failed twice, the German appeared to have the "inside lane", but then Richards managed to lift his heavy frame over the bar on his last attempt. That was the turning point: while Richards went over 1.93-6'4" first time, Liesche, by then too nervous, failed on all his three attempts.

1. Alma Richards	USA	1.93	6'4" (OR)
2. Hans Liesche	Germany	1.91	6'3"1/4
3. George Horine	USA	1.89	6'2"1/2
4. Eron Erickson	USA	1.87	6'1"5/8
* Jim Thorpe	USA	1.87	6'1"5/8
5. Henry Grumpelt	USA	1.85	6'0"7/8
5. John Johnstone	USA	1.85	6'0"7/8

7. K.-A. Kullerstrand (Sweden) 1.83-6'0"; 8. (Tie) I. Wardener (Hungary) and T. Carroll (Great Britain) 1.75-5'8"7/8; 10. E.H. Baker (GB)--failed at 1.75-5'8"7/8.

* Thorpe was later declared ineligible for Olympic competition and his name was cancelled from the list of place winners.

1920 (17 August) - A qualifying round was held on 15 August. An almost continuous rain made it impossible to run off the event at the site scheduled. The competitors thus had to jump from a turf take-off, which became too soft after the many starters had taken their trial jumps. Twelve men qualified for the final by clearing 1.80-5'10"7/8. In the final, when the bar was raised to 1.80, the four USA entrants plus Ekelund, Baker and Thulin cleared first time, while Lewden needed three attempts. At 1.85-6'0"7/8 Thulin and Lewden went out, while Murphy, Whalen, Baker and Ekelund cleared first time, Muller and Landon second time. At 1.90-6'2"3/4 Muller cleared first time, Ekelund and Landon second time. At 1.935 (6'4"1/4) only Landon went over, on his second attempt. Baker did not take part in the jump-off for fourth. Whalen and Murphy both cleared 1.89 (6'2"1/2) and were ranked in that order.

1. Richmond Landon	USA	1.935	6'4"1/4 (OR)
2. Harold Muller	USA	1.90	6'2"3/4
3. Bo Ekelund	Sweden	1.90	6'2"3/4
4. Walter Whalen	USA	1.85	6'0"7/8
5. John Murphy	USA	1.85	6'0"7/8
6. Howard Baker	Great Britain	1.85	6'0"7/8

7. (Tie) E. Thulin (Sweden) and P. Lewden (France) 1.80 (5'10"7/8); 9. (Tie) R. Labat (France), T. Carroll (GB), H. Jagenburg (Sweden) and T. Swahn (Sweden) 1.75 (5'8"7/8).

1924 (7 July) - 21 competitors. Qualifying round on 6 July. The qualifying height was 1.83-6'0". In the final, seven men cleared 1.85 (6'0"7/8). Only three went over 1.90 (6'2"3/4). Lewden, who held the French record at 1.93 (6'4"), came close to his best but was outjumped by two Americans. Osborn cleared all heights up to and including 1.98 (6'6") on his first attempt, then had three tries at 2.02 (6'7"1/2); on the second he went over with his body out dislodged the bar with his hand. There was a jump-off for 4th and 6th

1. Harold Osborn	USA	1.98	6'6" (OR)
2. Leroy Brown	USA	1.95	6'4"3/4
3. Pierre Lewden	France	1.92	6'3"5/8
4. Thomas Poor	USA	1.88	6'2"
5. Jenő Gáspár	Hungary	1.88	6'2"
6. Helge Jansson	Sweden	1.85	6'0"7/8

7. F. Guilloux (France) 1.85 (6'0"7/8); 8. (Tie) S. Helgesen (Norway) and L. Roberts (South Africa) 1.83 (6'0").

1928 (29 July) - 35 competitors. Eighteen men cleared the qualifying height, 1.83-6'0". The event, held on a soft take-off, lasted five hours. Places from second to fifth were decided on a jump-off.

1. Robert King	USA	1.94	6'4"3/8
2. Ben Hedges	USA	1.91	6'3"1/4
3. Claude Ménard	France	1.91	6'3"1/4
4. Simeon Toribio	Philippines	1.91	6'3"1/4
5. Harold Osborn	USA	1.91	6'3"1/4
6. Kazuo Kimura	Japan	1.88	6'2"

7. (Tie) P. Lewden (France), C.E. McGinnis (USA), M. Oda (Japan), A. Cherrier (France) 1.88 (6'2"); 11. (Tie) H. Adolfsen (Sweden), E. Tommelstad (Norway), H.A. Simmons (GB), K. Késmárki (Hungary), F. Koeppel (Germany) 1.84 (6'0"1/2).

1932 (31 July) - 14 competitors. George Spitz, holder of the indoor record at 6'8"1/2 (2.045), was hampered by an injured ankle and went out at 1.90-6'2"3/4. When the bar was raised to 6'6"-1.98 (which height on a remeasurement was found to be 6'5"1/2-1.97), four men went over. At 6'7"-2.005, however, none of the four could make it. Places from first to fourth were therefore decided on a jump-off. It should be noted that the eventual victor was the first non-USA athlete to win a gold medal in the history of the event. Here, in chart form, is the story of the competition at the major heights.

	1.90	1.94	1.97	2.005	
1. Duncan McNaughton	Canada	XO	O	XXX	1.97 6'5"1/2
2. Robert Van Odel	USA	XO	O	XXX	1.97 6'5"1/2
3. Simeon Toribio	Philippines	O	XXO	XXX	1.97 6'5"1/2
4. Cornelius Johnson	USA	O	XO	XXX	1.97 6'5"1/2
5. Ilmari Reinikka	Finland	XO	XO	XXX	1.94 6'4"3/8
6. Kazuo Kimura	Japan	XO	XO	XXX	1.94 6'4"3/8
7. (Tie) J. Plawczyk (Poland) and M. Ono (Japan)	1.90-6'2"3/4				
9. (Tie) J. Fortland (Canada), C. Ménard (France), G. Spitz (USA), B. Haug (Norway) and A. Tommasi (Italy)	1.85 (6'0"7/8)				
14. P. Riesen (Switzerland)	1.80 (5'10"7/8)				

1936 (2 August) - 40 competitors. In the qualifying round, held in the morning of 2 August, twenty-two men mastered the qualifying height, 1.85 (6'0"7/8). In the final, Johnson never had a failure until he tried the world record height of 2.08 (6'9"7/8), at which he failed three times. Places from second to fourth were decided on a jump-off, while the four men at 1.94 (6'4"3/8) were bracketed in a tie for sixth.

	1.97	2.00	2.03	2.08	
1. Cornelius Johnson	USA	O	O	XXX	2.03 6'8" (OR)
2. David Albritton	USA	XO	XXO	XXX	2.00 6'6"3/4
3. Delos Thurber	USA	O	XO	XXX	2.00 6'6"3/4
4. Kalevi Kotkas	Finland	O	XXO	XXX	2.00 6'6"3/4
5. Kimio Yada	Japan	O	XXX		1.97 6'5"5/8
6. (Tie) Hiroshi Tanaka (Japan), Lauri Kalina (Finland), Yoshiro Asakuma (Japan) and Gustav Weinkötzt (Germany)	1.94				6'4"3/8
10. (Tie) A. Kuuse (Estonia) and G. Gehmert (Germany)	1.90 (6'2"3/4)				
Among those who tied at 1.85 (6'0"7/8) was Simeon Toribio (Philippines), the Olympic finalist of 1928 and 1932.					

1948 (30 July) - 26 competitors. Twenty men cleared the qualifying height, 1.87-6'1"5/8. In the final, the jumpers were hampered by a soft take-off. Winter was handicapped by a back injury, yet he was able to clear 1.98 (6'6") on his first attempt. After that he was obliged to call it a day: fortunately for him, none of his rivals was able to master 1.98. To this day, Winter is the last Eastern Cut-off jumper to be crowned champion of the world. Places from second to fifth as well as sixth place were--for the first time--decided on the fewer misses' rule.

	1.95	1.98	2.01	2.04	2.07	
1. John Winter	Australia	XO	O			1.98 6'6"
2. Björn Paulson	Norway	O	XXX			1.95 6'4"3/4
3. George Stanich	USA	O	XXX			1.95 6'4"3/4
4. Dwight Biddleman	USA	O	XXX			1.95 6'4"3/4
5. Georges Damitio	France	XO	XXX			1.95 6'4"3/4
6. Art Jackes	Canada					1.90 6'2"3/4
7. (Tie) A. Paterson (GB) and H. Wahli (Switzerland)	1.90 (6'2"3/4)					
9. (Tie) G. Widanfelt (Sweden), A. Jadresic Vargas (Chile) and P. Lacaze (France)	1.90 (6'2"3/4)					
12. A.F. Adedoyin (GB)	1.90 (6'2"3/4)					
13. E. Leirud (Norway)	1.90 (6'2"3/4)					

1952 (20 July) - 33 competitors. Twenty-eight men cleared the qualifying height, 1.87-6'1"5/8. In the long-drawn final Davis, a victim of polio at 8, proved the class of the field. Ties were broken on the fewer tries and misses rule, under which a pass (P) at any intermediate height is better than clearing on first attempt.

1. Walter Davis	USA	O	O	O	XO	XXX	2.04 6'8"3/8 (OR)
2. Kenneth Wiesner	USA	O	O	O	XXX		2.01 6'7"1/8
3. José Telles da							
Coneigo	Brazil	O	O	XXX			1.98 6'6"
4. Gösta Svensson	Sweden	P	XXO	XXX			1.98 6'6"

5. Ronald Pavitt	Gt. Britain	O	XXX	1.95	6'4"3/4
6. Ion Săster	Rumania	XO	XXX	1.95	6'4"3/4
7. Arnold Betton	USA	XO	XXX	1.95	6'4"3/4
8. B. Gunderson (Norway)	1.90 (6'2"3/4); 9. (Tie) J. Delelienne (Belgium) and J. Hajekoduni (Nigeria) 1.90 (6'2"3/4); 11. (Tie) P. Halme (Finland) and P. Wells (GB) 1.90 (6'2"3/4). Seven others also cleared 1.90 (6'2"3/4).				

1956 (23 November) - 28 competitors. Twenty-two men cleared the qualifying height, 1.92-6'3"5/8. Bengt Nilsson of Sweden, the European record holder, was handicapped by a ruptured muscle and failed to qualify. The final lasted five hours. Porter, 20, improved on his personal best three times but was finally defeated by Dumas, 19, who clinched the gold medal by going over 2.12 (6'11"1/2) on his third attempt.

1. Charles Dumas	USA	O	XO	O	O	XO	XXX	2.12	6'11"1/2 (OR)
2. Charles Porter	Aus	O	O	O	XO	XO	XXX	2.10	6'10"3/4
3. Igor Kashkarov	USSR	O	O	O	O	XXX	XXX	2.08	6'9"7/8
4. Stig Pettersson	Swd	O	O	XO	XXX			2.06	6'9"1/8
5. Kenneth Money	Can	O	XO	XYX				2.03	6'8"
6. Vladimir Sitkin	USSR	O	XXX					2.00	6'6"3/4
7. Colin Ridgway	Aus	O	XXX					2.00	6'6"3/4
8. Philip Reavis	USA	O	XXX					2.00	6'6"3/4
9. Julius Chigbolu	Nig	O	XXX					2.00	6'6"3/4
10. Vernon Wilson	USA	XO	XXX					2.00	6'6"3/4
11. M. Fournier (France) 1.96 (6'5"1/8); 12. P. Etolu (Uganda) and Y. Ishikawa (Japan) (Tie) 1.96 (6'5"1/8). Three others also cleared 1.96 (6'5"1/8).									

1960 (1 September) - 32 competitors. No less than seventeen men mastered the qualifying height--2.00-6'6"3/4. In the final, held in the afternoon of the same day, Joe Faust, a 7 ft. (2.13) jumper from USA, was handicapped by an injured ankle and failed to clear 2 meters. In fact the event turned out to be the Waterloo of USA jumpers. Defending champion Charles Dumas went no higher than 2.03 (6'8") and was placed sixth. World record holder John Thomas was outjumped by two Russians and tied by another and finally had to be content with third. The winner, Robert Shavlakadze of USSR, 28, edged his country man Valeriy Brumel, 18, on the fewer misses' rule.

1. Robt. Shavlakadze	USSR	O	O	O	O	O	XXX	2.16	7'1" (OR)
2. Valeriy Brumel	USSR	O	O	XO	XO	XO	XXX	2.16	7'1"
3. John Thomas	USA	P	O	O	P	XO	XXX	2.14	7'0"1/4
4. Viktor Bolshov	USSR	O	O	O	O	XO	XXX	2.14	7'0"1/4
5. Stig Pettersson	Swd	P	XO	XO	XXX			2.09	6'10"1/4
6. Charles Dumas	USA	P	P	XXX				2.03	6'8"
7. K. A. Nilsson	Swd	O	XXX					2.03	6'8"
8. J. Lanský	Czech	O	XXX					2.03	6'8"
9. T. Phill	Ger	O	XXX					2.03	6'8"
10. R. Kobi	Gham	XO	XXX					2.03	6'8"
11. C. Porumb	Rum	XO	XXX					2.03	6'8"
12. M. Idrijs	Fr	XO	XXX					2.03	6'8"
13. S. Nosszaly	Hun	XO	XXX					2.03	6'8"

POLE VAULT

1896 (10 April) - 5 competitors. A long-drawn contest, held in cool weather. After being outjumped, the Greek competitors "became interested spectators and were most energetic in rubbing the limbs of the two Americans after each jump."

1. William Hoyt	USA	3.30	10'10" (OR)
2. Albert Tyler	USA	3.25	10'8"
3. Joannis Theodoropoulos	Greece	2.85	9'4"1/4
4. Evangelos Damaskos	Greece	2.80	9'2"1/4
5. Basilios Kydas	Greece	2.80	9'2"1/4

1900 (15 July) - 8 competitors. Three leading American entrants--D.S. Horton, Bascom Johnson and Charles Dvorak--did not compete in the event, which was held on a Sunday. In fact, the last two did go to the field on Sunday--only to be told that the final would not be held on that day. So they left. The event was run off later in the day, and Irving Baxter, who was still lingering around the field, joined in and won. "To appease the indignant visitors from across the sea", the French Committee staged a special pole vault contest at a later date. In this Horton did 3.45 (11'3"3/4) and beat Dvorak (3.40-11'1"3/4), but Johnson did not participate.

1. Irving Baxter	USA	3.30	10'10" (=OR)
2. M. B. Colkett	USA	3.25	10'8"
3. Carl-Albert Andersen	Norway	3.20	10'6"
4. Erik Lemming	Sweden	3.10	10'2"
5. F. J. Kausser	Hungary	3.10	10'5"
6. G. Gontier	France	3.10	10'5"
7. K. G. Staaf (Sweden) 2.80 (9'2"1/4); 8. Aug. Nilsson (Sweden) 2.60 (8'6"1/4).			

1904 (3 September) - 7 competitors. After clearing the winning height, Dvorak tried for a new world record of 12'2" (3.71) but failed on all his attempts.

1. Charles Dvorak	USA	3.50	11'6" (OR)
2. Leroy Samse	USA	3.43	11'3"
3. L. Wilkins	USA	3.43	11'3"
4. Ward McAnahan	USA	3.35	11'0"
5. Walter Dray	USA		
6. C. Allen	USA		
7. Paul Weinstein (Germany).			

1908 (24 July) - 14 competitors. In the qualifying round, jumping was done in sections. Cooke had the best mark, 12'2" (3.71). This was equaled by Gilbert in the final and the two were bracketed in a tie for first. Each received a gold medal!

1. Alfred Gilbert	USA	3.71	12'2" (OR)
1. Edward Cooke	USA	3.71	12'2" (OR)
3. Ernest Archibald	Canada	3.58	11'9"
3. C. S. Jacobs	Canada	3.58	11'9"
3. Bruno Söderström	Sweden	3.58	11'9"
6. S. H. Bellah	USA	3.50	11'6"
6. Georgios Banikas	Greece	3.50	11'6"
8. C. Szathmári (Hungary) 11'0" (3.35).			

1912 (11 July) - 24 competitors. A qualifying round was held on 10 July; eleven men mastered the qualifying height, 3.65 (11'11"3/4). In the final, no less than seven vaulters beat the listed Olympic record. At 3.80 (12'5"1/2) Babcock, Nelson and world record holder Wright--history's first 4-metres man--cleared first time. Happenny, Murphy and Uggla second time, while Bellah failed three times and had to be content with seventh place. Happenny sustained an injury in vaulting at that height and was unable to continue. Babcock, Nelson and Wright cleared 3.85 (12'7"1/2). But at 3.90 (12'9"1/2) only Babcock was successful. The winner went on to clear 3.95 (12'11"1/2). Only the world record height of 4.06 (13'3"3/4) proved too much for him. Two silver and three bronze medals were awarded to those tying for second and fourth respectively.

1. Harry Babcock	USA	3.95	12'11"1/2 (OR)
2. Frank Nelson	USA	3.85	12'7"1/2
2. Marc Wright	Canada	3.85	12'7"1/2
4. William Happenny	Canada	3.80	12'5"1/2
4. Frank Murphy	USA	3.80	12'5"1/2
4. Bertil Uggla	Sweden	3.80	12'5"1/2
7. S. H. Bellah (USA) 3.75 (12'3"1/2); 8. (Tie) G. B. Dukes, F. J. Coyle and W. H.			

Fritz (all of USA) 3.65 (11'11"3/4); 11. R. Pasemann (Germany) 3.40 (11'1"3/4).

1920 (20 August) - 14 competitors. Thirteen men cleared the qualifying height, 3.60 (11'9"3/4). In the final the initial height was 3.30 (10'10"), then the bar was raised 10 cms (4") each time. Only Foss and Petersen cleared 3.70 (12'1"3/4) and at the next height, 3.80 (12'5"1/2) Foss was the only one to succeed. When the bar was raised to 4 meters (13'1"1/2), the American failed on his first attempt, after which he chose to take his second at 4.10 (13'5"1/2). He went over and thus set a new world record, which upon recheck was found to be 4.09 (13'5"). Places from third to sixth were decided on a jump-off.

1. Frank Foss	USA	4.09	13'5" (WR)
2. Henry Petersen	Denmark	3.70	12'1"3/4
3. Edwin Meyers	USA	3.60	11'9"3/4
4. Edward Knourek	USA	3.60	11'9"3/4
5. Axel Frid Rydberg	Sweden	3.60	11'9"3/4
6. Lauritz Jørgensen	Denmark	3.60	11'9"3/4

7. E. Jenne (USA) 3.60 (11'9"3/4). Other finalists: G. Högstöm and J. Mattsson (both of Sweden), A. Franconelle and G. Lagarde (both of France), J. Ruoho (Finland) and R. Joannes-Powell (Belgium).

1924 (10 July) - 20 competitors. In the qualifying round, held on 9 July, the jumping was done in sections. Seven men qualified by going over 3.66-12'0". The winner, Barnes, was a California highschool boy. He clinched the gold medal by defeating Graham in the jump-off. It should be noted that Charles Hoff of Norway, the world record holder, was handicapped by a foot injury and failed to appear in the pole vault, although he started in the 400 and 800 meters.

1. Lee Barnes	USA	3.95	12'11"1/2
2. Glenn Graham	USA	3.95	12'11"1/2
3. James Brooker	USA	3.90	12'9"1/2
4. Henry Petersen	Denmark	3.90	12'9"1/2
5. Victor Pickard	Canada	3.80	12'5"1/2
6. Ralph Spearow	USA	3.70	12'1"3/4
7. M. Henrijean (Belgium) 3.66 (12'0").			

1928 (1 August) - 20 competitors. Nine men qualified for the final by clearing 3.66 (12'0"). Defending champion Lee Barnes, who had raised the world record to 14'1"1/2 (4.30) in April, could only duplicate his Paris mark of 1924 and had to be content with fifth after a jump-off. Carr, history's first 14-footer (4.26), won with a new Olympic record then failed at the world record height of 4.31 (14'1"3/4). Places from third to fifth were decided on a jump-off, with McGinnis clearing 4.10 (13'5"1/2) to clinch the bronze medal.

1. Sabin Carr	USA	4.20	13'9"1/4 (OR)
2. William Drogemuller	USA	4.10	13'5"1/2
3. Charles McGinnis	USA	3.95	12'11"1/2
4. Victor Pickard	Canada	3.95	12'11"1/2
5. Lee Barnes	USA	3.95	12'11"1/2
6. Yenaturo Nakazawa	Japan	3.90	12'9"1/2
7. H. Lindblad (Sweden) 3.90 (12'9"1/2); 8. J. Karlovits (Hungary) 3.80 (12'5"1/2); 9. J. Müller (Germany) 3.65 (12'0").			

1932 (3 August) - 8 competitors. The event was featured by two major upsets. Bill Graber, the man who had set a new world record of 14'4"3/8 (4.58) at the USA Final Olympic Tryouts in July, had to be content with fourth. Shuhei Nishida, the 22-year-old Japanese who had come to the meet with a personal best of 4.15 (13'7"1/2), improved by 15 centimeters (about half a foot). But Bill Miller, America's second string, was able to reproduce his form of the Final Tryouts (where he was second to Graber at 14'1"5/8 - 4.31), and that sufficed for a narrow win over the Japanese vaulter. At the decisive height, 14'2" (which upon remeasurement turned out to be 14'1"7/8), Nishida had a close failure on his last attempt, brushing off the bar with his chest. Miller made it right after on his last attempt - his arm hit the bar, which jiggled but staid on.

1. William Miller	USA	4.15	4.20	4.25	4.30	4.315	4.315	14'1"7/8 (OR)
2. Shuhei Nishida	Japan	O	XO	XO	XO	XXX	4.30	14'1"1/4
3. George Jefferson	USA	P	O	XXX			4.20	13'9"1/2
4. William Graber	USA	XO	P	XXX			4.15	13'7"1/2
5. Shizuo Mochizuki	Japan						4.00	13'1"1/2
6. Lucio A. P. de Castro Braz	Braz						3.90	12'9"1/2
7. P. Chlentoas (Greece) 3.75 (12'3"1/2). The only other competitor, C. J. Nellis of Brazil, failed to clear the initial height, 3.50 (10'10").								

1936 (5 August) - 30 competitors. Twenty-five men qualified for the final by clearing 3.80 (12'5"1/2). The final lasted 5 hours and was completed under floodlights. Places from second to fourth were decided on a jump-off - with the bar at 4.15 (13'7"1/2) the two Japanese vaulters cleared, while Sefton failed. Nishida and Oe were bracketed in a tie for second. The Japanese team leader, however, wanted the silver medal to go to Nishida, who had fewer misses than Oe throughout the competition. Nishida and Oe finally decided to cut the medals in two parts, so that each had his share of both silver and bronze. Eleven men were bracketed in a tie for sixth at 4 meters (13'1"1/2).

1. Earle Meadows	USA	O	XO	XO	XXX	4.35	14'3"1/4 (OR)
2. Shuhei Nishida	Japan	O	O	XXX		4.25	13'11"1/4
2. Sueo Oe	Japan	O	XO	XXX		4.25	13'11"1/4
4. William Sefton	USA	XO	O	XXX		4.25	13'11"1/4
5. William Graber	USA	XO	XXX			4.15	13'7"1/2
6. (Tie) K. Adachi (Japan), F. R. Webster (GB), J. Haunzwickel and A. Prochak (both of Austria), P. Bacsalmási and V. Zsuffka (Hungary), J. Korejs (Czechoslovakia), W. Sznajder (Poland), S. Apps (Canada), D. Innocenti (Italy) and B. Ljungberg (Sweden)--all with 4.00 (13'1"1/2).							

1948 (2 August) - 19 competitors. Twelve men qualified for the final by clearing 4.00 (13'1"1/2). It rained during the final, and the water-logged runway made the vaulting precarious. When the bar was raised to 4.30 (14'1"1/4), Kataja led on the fewer misses count. But at that height only Smith succeeded. It was another hard won victory for USA, since Smith was hampered by a tightly strapped, painful knee.

1. Guinn Smith	USA	4.10	4.20	4.30	4.40	4.30	14'1"1/4
2. Erkki Kataja	Fin	O	O	XXX		4.20	13'9"1/2
3. Robert Richards	USA	XO	XO	XXX		4.20	13'9"1/2
4. Erling Kaas	Nor	O	XXX			4.10	13'5"1/2
5. Ragnar Lundberg	Swd	XO	XXX			4.10	13'5"1/2
6. A. Richmond Morcom	USA		XXX			3.95	12'11"1/2
7. (Tie) H. Sällers (Sweden) and V. Olenius (Finland) 3.95 (12'11"1/2); 9. (Tie) J. Barbosa (Puerto Rico), V. Sillon (France), J. Vicente (Puerto Rico) 3.95 (12'11"1/2); 12. A. Lindberg (Sweden) 3.80 (12'5"1/2).							
* Morcom cleared 3.95 (12'11"1/2), then passed 4.10 and finally failed three times at 4.20.							

1952 (22 July) - 25 competitors. Nineteen men qualified by clearing 4.00 (13'1"1/2). Once again, the final lasted well over 5 hours. Richards, a great competitor, cleared the winning height on his third attempt.

1. Robert Richards	USA	O	O	O	XO	XXX	4.55	14'11"1/4 (OR)
2. Donald Laz	USA	O	O	O	XO	XXX	4.50	14'9"1/4

3. Ragnar Lundberg	Swd	O	XO	O	XXX	4.40	14'5"1/4
4. Pyotr Denisenko	USSR	XO	O	O	XXX	4.40	14'5"1/4
5. Valto Olenius	Fin	XO	XO	XXX		4.30	14'1"1/4
6. Bunkichi Sawada	Jap	O	XXX			4.20	13'9"1/2
7. Vladimir Brazhnik	USSR	XO	XXX			4.20	13'9"1/2
8. Viktor Knyazev	USSR	XO	XXX			4.20	13'9"1/2
9. George Mattos	USA	XO	XXX			4.20	13'9"1/2
10. E. Kataja (Fin)	4.10	(13'5"1/2);	11. (Tie) T. Homonnay (Hungary) and				
L. Lind (Sweden)	4.10	(13'5"1/2);	13. M. Milakou (Yug)	4.10	(13'5"1/2).		

1956 (26 November) - 19 competitors. Fourteen men qualified by clearing 4.15 (13'7"1/2). It was in the qualifying round (24 November) that Bob Richards, the defending champion, found himself on the verge of a dramatic failure: at 4.00 (13'1"1/2) he missed twice, partly because of a gusty wind which threw off his timing. On his third try at that height, Richards cleared with about 30 centimeters (one foot) to spare! In the final, he was his true self again and became the first vaulter to win the event twice in the Olympics. Roubanis added 9 centimeters (3"1/2) to his previous best and split the American trio.

1. Robert Richards	USA	O	O	O	O	XO	XXX	4.56	14'11"1/2 (OR)					
2. Robert Gutowski	USA	XO	XO	XXO	O	O	XXX	4.53	14'10"3/4					
3. Georgios Roubanis	Gre	XO	O	O	O	XXX		4.50	14'9"1/4					
4. George Mattos	USA	O	XXX					4.35	14'3"1/4					
5. Ragnar Lundberg	Swd							4.25	13'11"1/4					
6. Zenon Wazny	Pol							4.25	13'11"1/4					
7. E. Landström (Finland)	4.25	(13'11"1/4);	8. M. Preussger (Germany)	4.25	(13'11"1/4);	9. (Tie) V. Bulatov (USSR) and G. Chiesa (Italy)	4.15	(13'7"1/2);	11. A. Petrov (USSR)	4.15	(13'7"1/2);	12. Z. Janiszewski (Pol)	4.15	(13'7"1/2).

1960 (7 September) - 29 competitors. The qualifying round (5 September) was a long drawn-out affair which lasted about 7 hours. At the end of it, only ten men had mastered the qualifying height, 4.40-14'5"1/4 -- a mark previously achieved by only 6 men in Olympic competition. Since the rules state that at least 12 men must be in the final, those who had fewer misses at the preceding height, 4.30-14'1"1/4, namely Morris (USA), Khelebarov (Bulgaria) and Krzesiński (Poland), were also advanced to the final. Among those who missed out were such highly touted vaulters as Preussger (Germany), Clark (USA) and Roubanis (Greece). The final lasted a solid 1 1/2 hours. Bragg, the world record holder, and Morris made it another 1-2 for USA, and the next place winners, Landström and Cruz, had also improved considerably while attending USA colleges.

1. Donald Bragg	USA	O	O	O	O	XXX		4.70	15'5" (OR)					
2. Ronald Morris	USA	XO	O	XO	XXX			4.60	15'1"1/4					
3. Beles Landström	Fin	XO	O	XXX				4.55	14'11"1/4					
4. Rolando Cruz	PR	O	XO	XXX				4.55	14'11"1/4					
5. Günther Malcher	Ger	O	XXX					4.50	14'9"1/4					
6. Matti Sutinen	Fin	O	XXX					4.50	14'9"1/4					
Igor Petrenko	USSR	O	XXX					4.50	14'9"1/4					
8. Rudolf Tomášek	CSSR	O	XXX					4.50	14'9"1/4					
9. L. Lukman (Yugoslavia)	4.40	(14'5"1/4);	10. Kh. Khristov (Bulgaria)	4.40	(14'5"1/4);	11. D. Khelebarov (Bulgaria)	4.30	(14'1"1/4);	12. A. Krzesiński (Poland)	4.30	(14'1"1/4);	13. J. Krašovskis (USSR)	4.30	(14'1"1/4).

BROAD JUMP

1896 (7 April) - 8 competitors. Each man had only three tries.

1. Ellery Clark	USA					6.35	20'10" (OR)
2. Robert Garrett	USA					6.18	20'3"1/4
3. James Connolly	USA					6.11	20'0"1/2
4. Alexandre Tuffère	France					5.98	19'7"1/2
5. A. Griseol	France					5.83	19'1"1/2
6. K. Schumann	Germany					5.70	18'8"1/2

Also competed: A. Halkokondilis and Skaltzojanni (both of Greece).

1900 (15 July) - 12 competitors. Prinstein was in the lead after the qualifying round (14 July) but was prevented by the leaders of his university (Syracuse) from competing in the Sunday final. Kraenzlein, one of the greatest talents of the time, bettered Prinstein's mark by 1 centimeter in the final. Earlier in the year, Prinstein had set a world record of 24'7"1/4 (7.50).

1. Alvin Kraenzlein	USA					7.185	23'6"7/8 (OR)
2. Myer Prinstein	USA					7.175	23'6"1/2
3. Patrick Leahy	Great Britain					6.95	22'9"1/2
4. W. P. Remington	USA					6.825	22'4"3/4
5. A. Delannoy	France					6.755	22'2"
6. John McLean	USA					6.435	21'1"3/8

1904 (1 September) - 7 competitors (all from USA). Prinstein, a most reliable competitor who won the AAU broad jump title four times (1898, 1902, 1904, 1906), scored an easy victory.

1. Myer Prinstein	USA					7.34	24'3" (OR)
2. Daniel Frank	USA					6.89	22'7"1/4
3. R. S. Stangland	USA					6.88	22'7"
4. Fred Englehardt	USA					6.63	21'9"
5. G. H. Van Cleve	USA						
6. J. P. Hagerman	USA						

1908 (22 July) - 30 competitors. In the qualifying round, held in the morning of 22 July, Irons did 24'5" (7.44). It would appear that only the first three were admitted to the final. Among those who failed to survive was Tim Ahearne of Ireland and Great Britain, who did 24'10" (7.57) a couple of weeks later. In the final, Irons was the only one to improve. His mark ranked him third in the All Time World List, after Peter O'Connor of Ireland and Myer Prinstein of USA.

1. Frank Irons	USA					7.48	24'6"1/2 (OR)
2. Daniel Kelly	USA					7.09	23'3"1/4
3. Calvin Bricker	Canada					7.08	23'3"
4. T. Cooke	USA					6.97	22'10"1/2
5. J. J. Brennan	USA					6.86	22'6"1/4
6. Frank Mountpleasant	USA					6.82	22'4"1/2

7. A. Weinstein (Germany) 22'2"3/4 (6.77); 8. T. Ahearne (GB) 22'0"3/4 (6.72); 9. D. Murray (GB) 22'0"1/4 (6.71); 10. G. Rönström (Sweden) 21'10"1/2 (6.66).

1912 (12 July) - 32 competitors. In the qualifying round the jumpers were divided into three groups. The three best from the combined field were allowed three more trials in the final. Defending champion Irons started with 6.80 (22'3"3/4), but his countryman Allen improved to 6.94 (22'9"1/4). Then Åberg of Sweden took the lead with 7.04 (23'1"1/4). But then came Gutterson, a 24'0"5/8 (7.55) jumper from USA, and killed the opposition with a great 7.60 (24'11"1/4) effort--which was second only to Peter O'Connor's world record (7.61-24'11"3/4). Bricker led the second group with 7.21 (23'7"3/4) and Worthington the third with 7.03 (23'0"3/4). Gutterson, Bricker and Åberg were thus advanced to the final, in which the Swede was the only one to improve.

1. Albert Gutterson	USA					7.60	24'11"1/4 (OR)
(7.60 - 7.48 - 7.25 - 7.18 - 7.09 - 7.09)							
2. Calvin Bricker	Canada					7.21	23'7"3/4
(6.92 - 7.07 - 7.21 - 7.04 - 6.85 - ?)							
3. Georg Åberg	Sweden					7.18	23'6"3/4

(7.04 - 6.70 - 6.99 - 6.98 - 7.18 - 6.63)							
4. Harry Worthington	USA					7.03	23'0"3/4
5. Eugene Mercer	USA					6.97	22'10"1/2
6. Fred Allen	USA					6.94	22'9"1/4
(* J. Thorpe (USA) 6.89 (22'7"1/4); 7. R. Fasemann (Germany) 6.82 (22'4"1/2); 8. P. Irons (USA) 6.80 (22'3"3/4); 9. H. S. O. Ashington (GB) 6.78 (22'3").							

* Thorpe was later declared ineligible for Olympic competition and his name was cancelled from the list.
1920 (18 August) - 29 competitors. A qualifying round was held on 17 August. Petterson led the qualifiers with 6.94 (22'9"1/4). The pre-meet favorite, Sol Butler, who had done 24'8"-7.52 at the USA Final Olympic Tryouts, sustained a muscle injury in his one and only jump (6.60-21'7"3/4) and had to call it a day. In the final, the loose and viscid runway still kept the marks down. Even so, all but Fransson were able to improve on their qualifying efforts. On the whole, the Swedes had quite a day.

1. William Petterson	Sweden					7.15	23'5"1/2
2. Carl Johnson	USA					7.095	23'3"1/4
3. Eric Abrahamsson	Sweden					7.08	23'2"3/4
4. Dink Templeton	USA					6.95	22'9"1/2
5. Erling Aastad	Norway					6.885	22'7"1/8
6. R. Fransson	Sweden					6.73	22'1"
7. S. Butler (USA) 6.60 (21'7"3/4); 8. E. Raeder (Norway) 6.585 (21'7"3/8); 9. G. Bladin (Sweden) 6.57 (21'6"3/4); 10. J. Johannesen (Norway) 6.565 (21'6"1/2); 11. J. Merchant (USA) 6.50 (21'4"1/4); 12. P. Coulon (France) 6.50 (21'4").							

1924 (8 July) - 34 competitors. Thirteen men qualified for the final. Robert LeGendre of USA, who had set a world record of 7.765 (25'5"3/4) during the pentathlon on 7 July, was not entered for the individual event. Comins, a 24'8" (7.57) man from USA, pulled a muscle in the qualifying round and was unable to go on. In the final pool, Hubbard -- probably the greatest broad jumper of the pre-Owens era -- had a magnificent jump in the vicinity of LeGendre's newly-set record but fell back and thus lost many vital centimeters, his effort being officially measured at 7.445 (24'5"1/8). As it was, that jump amply sufficed to earn a gold medal for him.

1. William DeHart Hubbard	USA					7.445	24'5"1/8
2. Edwin Gourdin	USA					7.275	23'10"1/2
3. Sverre Hansen	Norway					7.26	23'9"3/4
4. Vilho Tuulos	Finland					7.07	23'2"1/4
5. Louis Wilhelm	France					6.99	22'11"1/4
6. Christopher Mackintosh	Great Britain					6.92	22'8"1/2
7. Virgilio Tommasi (Italy) 6.89 (22'7"1/4); 8. J. Boot (Holland) 6.86 (22'6"); 9. A. E. Rose (USA) 6.855 (22'5"7/8); 10. (Tie) M. Oda (Japan) and P. Sandström (Sweden) 6.83 (22'4"7/8); 12. S. Cator (Haiti) 6.81 (22'4"1/4).							

1928 (31 July) - 41 competitors. In the qualifying round, the jumpers were divided into four sections. All the good marks occurred in this preliminary phase. In the final, which was held on another runway, nobody was able to improve. De Boer was admitted to the final round as the sixth man on the strength of his better second mark vis-à-vis Gordon. In the final, Hamm did 7.66 (25'1"1/2), 7.22 (23'8"1/4), then passed up his third and last trial. Defending champion Hubbard was hampered by a weak ankle and failed to make the final.

1. Edward Hamm	USA					7.73	25'4"1/4 (OR)
2. Silvio Cator	Haiti					7.58	24'10"1/2
3. Alfred Bates	USA					7.40	24'2"1/4
4. Willi Meier	Germany					7.39	24'1"
5. Erich Köcherermann	Germany					7.32	24'1"1/2
6. Hanes de Boer	Holland					7.25	24'0"1/4
7. E. Gordon (USA) 7.32 (24'0"1/4); 8. E. Svensson (Sweden) 7.29 (23'11"); 9. G. Nambu (Japan) 7.25 (23'9"1/2); 10. O. Hallberg (Sweden) 7.18 (23'6"3/4); 11. (Tie) W. DeHart Hubbard (USA), M. Oda (Japan) and V. Tuulos (Finland) 7.11 (23'4"); 14. E. Aastad (Norway) 7.07 (23'2"1/4).							

1932 (2 August) - 12 competitors. Three of the non-qualifiers at Amsterdam--Gordon, Nambu, Svensson--figured prominently in the Coliseum pit four years later, while the Amsterdam silver medalist, Silvio Cator of Haiti, injured, had the worst day of his career. All the best jumps occurred in the early rounds. Nambu, holder of the world record, had sustained a slight injury in practice, yet he reached 7.45-24'5"1/4 on his first jump. Lambert Redd opened with a hairline foul of about 7.85-25'9". Still in the first round, Gordon produced a fine 7.64-25'0"3/4--the eventual winning mark. Redd had a legitimate effort of 7.60-24'11"1/4 in the second round. After that, no major changes were registered.

1. Edward Gordon	USA					7.64	25'0"3/4
(7.64 - 7.00 - 7.43 - foul - foul - foul)							
2. Lambert Redd	USA					7.60	24'11"1/4
(foul - 7.60 - foul - 7.39 - foul - 7.49)							
3. Chuhei Nambu	Japan					7.45	24'5"1/4
(7.45 - foul - foul - 7.32 - 7.39 - foul)							
4. Erik Svensson	Sweden					7.41	24'3"3/4
(7.27 - 7.24 - 7.41 - 7.06 - pass - pass)							
5. Richard Barber	USA					7.39	24'3"
6. Naoto Tajima	Japan					7.15	23'5"1/2

7. H. Berra (Argentina) 6.66 (21'10"1/4); 8. C. de Figueiredo Raposo (Brazil) 6.43 (21'1"1/4); 9. S. Cator (Haiti) 5.93 (19'5"1/2); 10. E. Crespo (Mexico) 5.83 (19'1"1/2); 11. E. Köcherermann (Germany) 5.72 (18'9"1/4). The only other competitor, L. Hutton (Canada), had no valid jump.

1936 (4 August) - 43 competitors. Sixteen men bettered the qualifying mark of 7.15 (23'5"1/2) in the morning of 4 August. The top favorites, Owens and Long, needed two trials to qualify. In the afternoon of the same day, there was a semi-final (3 tries) and a final pool (3 tries), with the latter held on a runway parallel to the homestretch. According to the Official Report, "the wind velocity was between 3.5 and 3.7 m/s, the jumping being in the direction of the wind". The wind was particularly strong during the final pool. However, no readings were announced for the individual jumps. It should be noted that Long's 7.87 (25'9"3/4) was not accepted as a German record. Long and Maffei achieved personal bests, Tajima equaled his best of 1935, Owens and Leichum came fairly close to their best ever marks.

1. Jesse Owens	USA					8.06	26'5"1/4 (OR)
(7.74 - 7.87 - 7.75 - foul - 7.94 - 8.06)							
2. Luz Long	Germany					7.87	25'9"3/4
(7.54 - 7.74 - 7.84 - 7.73 - 7.87 - foul)							
3. Naoto Tajima	Japan					7.74	25'4"3/4
(7.65 - foul - 7.4 - 7.52 - 7.60 - foul)							
4. Arturo Maffei	Italy					7.73	25'4"1/4
(7.50 - 7.47 - 7.73 - 7.22 - 7.42 - 7.39)							
4. Wilhelm Leichum	Germany					7.73	25'4"1/4
(foul - foul - 7.52 - 7.38 - 7.25 - 7.73)							
6. Robert Clark	USA					7.67	25'2"
(foul - 7.60 - 7.54 - 7.60 - 7.67 - 7.57)							

7. J. Brooks (USA) 7.41 (24'3"3/4); 8. R. Paul (France) 7.34 (24'1"); 9. A. Bäumle (Germany) 7.32 (24'0"1/4); 10. A. Stenqvist (Sweden) 7.30 (23'11"1/2); 11. O. Berg (Norway) 7.30 (23'11"1/2); 12. G. Caldana (Italy) 7.26 (23'9"3/4).

1948 (31 July) - 21 competitors. In the qualifying round, held in the morning of 31 July, only four jumpers achieved the qualifying distance, 7.20 (23'7"1/2) and so the 8 next best performers were also admitted to the final. Steele led the qualifiers with a magnificent 7.78 (25'6"1/4), with Wright second at 7.53 (24'8"1/2). In the final Steele, though handicapped by a badly hurt leg,

had jumps of 7.825 (25'8") and 7.68 (25'2 1/4), then retired. Bruce came very close to his best ever and took second place, one centimeter ahead of Douglas. Wright did not quite match his qualifying distance.

1. Willie Steele	USA	7.825	25'8"
2. Thomas Bruce	Australia	7.555	24'9 1/4"
3. Herbert Douglas	USA	7.545	24'9"
4. Lorenzo Wright	USA	7.45	24'5 1/4"
5. Adegboyega Folaranmi			
6. Georges Damiotio	Great Britain	7.27	23'10 1/4"
7. H. Whittle (GB)	7.03	23'0 3/4"	
8. F. Würth (Austria)	7.00	22'11 1/2"	
9. H. Askew (GB)	6.935	22'9"	
10. E. Kistenmacher (Argentina)	6.80	22'3 3/4"	
11. E. Adamczyk (Poland)	6.735	22'1 1/4"	

11. E. Adamczyk (Poland) 6.735 (22'1 1/4); the only other finalist, Baldev Singh (India), withdrew.

1952 (21 July) - 24 competitors. Only seven men achieved the qualifying distance, 7.20 (23'7 1/2"). The 6 next best performers were also advanced to the final. The leading qualifiers were: Gouridine 7.41 (24'3 3/4"), Biffle 7.40 (24'3 1/4"), Price 7.36 (24'1 3/4"), Brown 7.32 (24'0 1/4"), Widdessy 7.25 (23'9 1/2"), Façanha de Sá 7.24 (23'9"), Visser 7.21 (23'8"). It rained during the early rounds of the final. Price had an injured leg and was unable to do himself justice. Brown, a 26'3 1/4" (8.00) performer, fouled three times and was eliminated; his last effort would have been worth a medal, if measured from the take-off point. Then, as usual in recent editions of the Games, marks made in the qualifying rounds did not count for the final rankings.

1. Jerome Biffle	USA	7.57	24'10"
2. Meredith Gouridine	USA	7.53	24'8 1/2"
3. Odón Földessy	Hungary	7.30	23'11 1/2"
4. Ary Façanha de Sá	Brazil	7.23	23'8 3/4"
5. Jorma Valkama	Finland	7.16	23'6"
6. Leonid Grigoryev	USSR	7.14	23'5 1/4"
7. K.-E. Israelsson (Sweden)	7.10	23'3 1/2"	
8. P. Faucher (France)	7.02	23'0 1/2"	
9. P. Snellman (Finland)	7.02	23'0 1/2"	
10. Masaji Tajima (Japan)	7.00	22'11 1/2"	
11. N. Price (South Africa)	6.40	21'0"	

G. Brown (USA) and Visser (Holland) had no valid jump.

1956 (24 November) - 32 competitors. Thirteen men achieved the qualifying distance, a regressive 7.15 (23'5 1/2"). Grabowski led the qualifiers with 7.52 (24'8"), followed by Bennett 7.50 (24'7 1/2"), Ryedoseyev 7.42 (24'4 1/4"), Wilmshurst 7.40 (24'5 1/4"), Bondarenko 7.37 (24'2 1/4"), Valkama 7.36 (24'1 3/4"), Bell 7.35 (24'1 1/2"). Conditions during the final were not conducive to record performances. The wind ranged from 14 m/s adverse to 9 m/s favorable. The short, loose runway was another deterrent. However, both the winner and his nearest opponent achieved their best distances against stiff winds.

1. Gregory Bell	USA	7.83	25'8 1/4"
2. John Bennett	USA	7.68	25'2 1/4"
3. Jorma Valkama	Finland	7.48	24'6 1/2"
4. Dmitriy Bondarenko	USSR	7.44	24'5"
5. Karim Olowu	Nigeria	7.36	24'1 3/4"
6. Kazimierz Kropidowski	Poland	7.30	23'11 1/2"
7. N. Price (South Africa)	7.28	23'10 3/4"	
8. O. Ryedoseyev (USSR)	7.27	23'10"	
9. A. Cruttenden (GB)	7.15	23'5 1/2"	
10. H. Grabowski (Poland)	7.15	23'5 1/2"	
11. K. Wilmshurst (GB)	7.14	23'5 1/4"	
12. P. Donazar (Uruguay)	6.57	21'6 3/4"	

The only other finalist, I. Ter-Ovanesyan (USSR), had no valid jump.

1960 (2 September) - 49 competitors. In the qualifying round, held in the morning of 2 September, fourteen men achieved the qualifying mark, 7.40 (24'5 1/4"). Irvin Roberson led the qualifiers with 7.81 (25'7 1/2"), followed by Ter-Ovanesyan 7.79 (25'6 3/4"), Visser 7.72 (25'4"), Steinbach 7.70 (25'3 1/4"), Valkama 7.65 (25'0 1/2"), Boston 7.60 (24'11 1/4"), Okazaki 7.58 (24'10 1/2"), Bravi 7.57 (24'10"). In the final, Roberson and Boston quickly took the lead with impressive 8-meter jumps. Going into the last round, it looked as if Boston's 8.12 (26'7 3/4") were untouchable. But then came the fireworks: first Ter-Ovanesyan moved to second with a new European record of 8.04 (26'4 1/2"), then Steinbach produced a new German record of 8.00 (26'3") but fell short of a medal. Finally, Roberson sailed for a great 8.11 (26'7 1/4"), thus failing to catch Boston by one centimeter. Had he tied Boston at 8.12 he would have been the winner on the basis of having the longer second best jump.

1. Ralph Boston	USA	8.12	26'7 3/4" (OR)
2. Irvin Roberson	USA	8.11	26'7 1/4"
3. Igor Ter-Ovanesyan	USSR	8.04	26'4 1/2"
4. Manfred Steinbach	Germany	8.00	26'3"
5. Jorma Valkama	Finland	7.69	25'2 3/4"
6. Christian Collardot	France	7.68	25'2 1/2"
7. H. Visser (Holland)	7.66	25'1 1/2"	
8. D. Bondarenko (USSR)	7.58	24'10 1/2"	
9. M. Wolzberger (Germany)	7.49	24'7"	
10. A. Bravi (Italy)	7.47	24'6"	
11. D. Maglaras (Greece)	7.45	24'5 1/4"	
12. P. Foreman (West Indies)	7.26	23'9 3/4"	
13. F. Alsop (GB)	7.25	23'9 1/2"	
T. Okazaki (Japan)			withdrew.

TRIPLE JUMP

1896 (6 April) - 10 competitors. Connolly, chronologically the first athlete to be crowned Olympic champion in the Modern Games, took two hops with his right foot and one jump.

1. James Connolly	USA	13.71	44'11 3/4" (OR)
2. Alexandre Tuffère	France	12.70	41'8"
3. Ioannis Perakis	Greece	12.52	41'1"
4. Alajos Szokolvi	Hungary	12.30	40'4 1/4"
5. Hristos Zumis	Greece		
6. Alexandros Halkokondilis	Greece		

1900 (16 July) - 9 competitors. Prinstein, who had withdrawn from the broad jump final the day before (a Sunday), beat defending champion Connolly by a convincing margin.

1. Myer Prinstein	USA	14.47	47'5 3/4" (OR)
2. James Connolly	USA	13.97	45'10"
3. L. P. Sheldon	USA	13.64	44'9"
4. A. Delanny	France		
5. Alexandre Tuffère	France		

1904 (1 September) - 7 competitors. Prinstein successfully defended his triple jump title and on the same day he won the broad jump as well.

1. Myer Prinstein	USA	14.35	47'11"
2. Fred Englehardt	USA	13.90	45'7 1/4"
3. R. S. Stangland	USA	13.36	43'10 1/4"

4. John Fuhler	USA	12.91	42'4 1/2"
5. G. H. Van Cleve	USA		
6. J. P. Hagerman	USA		

1908 (25 July) - 19 competitors. Ahearne led the qualifiers with 48'3 3/4" (14'72"). Apparently everybody improved in the final, and Ahearne's winning effort came before Macdonald's second place mark.

1. Timothy Ahearne	Great Britain	14.91	48'11 1/4" (OR)
2. Garfield MacDonald	Canada	14.76	48'5 1/4"
3. Edward Larsen	Norway	14.39	47'2 3/4"
4. Calvin Bricker	Canada	14.09	46'3"
5. Platt Adams	USA	14.07	46'2"
6. Frank Mountpleasant	USA	13.97	45'10"
7. K. Fryksdahl (Sweden)	44'9 1/2" (13.65)		
8. J. J. Brennan (USA)	44'7" (13.59)		
9. W. J. Sheridan (USA)	44'0 1/4" (13.42)		
10. D. A. Stupart (South Africa)	43'11 1/2" (13.40)		

1912 (15 July) - 22 competitors. In the qualifying round the jumping was done in 3 groups. All the good marks were made in the preliminary phase and nobody managed to improve in the 3 final trials.

1. Gustaf Lindblom	Sweden	14.76	48'5"
2. Georg Åberg	Sweden	14.51	47'7 1/4"
3. Erik Almlöf	Sweden	14.17	46'5 3/4"
4. Erling Vinne	Norway	14.14	46'4 3/4"
5. Platt Adams	USA	14.09	46'2 3/4"
6. Edward Larsen	Norway	14.06	46'1 1/2"
7. Hjalmar Olsson (Sweden)	14.01	45'11 1/2"	
8. N. Fixdal (Norway)	13.96	45'9 3/4"	
9. C. Brickley (USA)	13.88	45'6 1/2"	
10. G. Nordén (Sweden)	13.81	45'3 3/4"	
11. J. Halme (Finland)	13.79	45'3"	
12. I. Lindblom (Sweden)	13.74	45'1"	

1920 (21 August) - 19 competitors. In the qualifying round (19 August), Tuulos reached 14.505 (47'7") on his very first effort--the eventual winning mark. The next best qualifiers were Almlöf 14.19 (46'6 3/4"), Jansson 14.16 (46'5 1/2"), Landers 14.00 (45'11 1/4"). World record holder Dan Ahearne, by then 32, barely qualified with 13.75 (45'1 1/4"), one centimeter ahead of Nylund. In the 3 final trials all but Tuulos improved. Jansson's best effort was probably good for first place but the Swede fell back in landing and had to be credited with no better than 14.48 (47'6").

1. Vilho Tuulos	Finland	14.505	47'7"
2. Folke Jansson	Sweden	14.48	47'6"
3. Erik Almlöf	Sweden	14.27	46'5 3/4"
4. Ivar Sahlin	Sweden	14.175	46'6"
5. Sherman Landers	USA	14.17	46'5 3/4"
6. Daniel Ahearne	USA	14.08	46'2 1/4"
7. O. Nylund (Finland)	13.74	45'1"	
8. R. H. Baker (GB)	13.675	44'10 1/2"	
9. K. Bakke (Norway)	13.64	44'9"	
10. S. Runström (Sweden)	13.63	44'8 1/2"	
11. J. Erling (Norway)	13.59	44'7"	
12. K. Geist (USA)	13.52	44'4 1/4"	

1924 (12 July) - 20 competitors. In the preliminary round, held earlier on the same day, Brunetto took the lead early with a magnificent 15.425 (50'7 1/4"), which was well over his South American record. "Nick" Winter trailed with 15.18 (49'9 3/4"), followed by Jansson (14.97'49'11 1/4"), Rainio (14.94'49'0 1/4"), Tuulos (14.84'48'8 1/4") and Oda (14.35'47'1 1/4"). Winter, whose best before the Games was 49'8 1/2" (15.15), moved to first in the final with a record-shattering effort of 15.525 (50'11 1/4"), which consisted of a 5.78 (18'11 1/2") hop, a 3.97 (15'0 1/4") step and a 5.775 (18'11 1/2") jump.

1. Archibald Winter	Australia	15.525	50'11 1/4" (WR)
2. Luis A. Brunetto	Argentina	15.425	50'7 1/4"
3. Vilho Tuulos	Finland	15.37	50'5"
4. Väinö Rainio	Finland	15.01	49'3"
5. Folke Jansson	Sweden	14.97	49'1 1/4"
6. Mikio Oda	Japan	14.35	47'1"
7. R. E. Wilson (USA)	14.235	46'8 1/2"	
8. I. Sahlin (Sweden)	14.16	46'5 1/2"	
9. M. B. Graham (USA)	14.00	45'11 1/4"	
10. J. O'Connor (Ireland)	13.99	45'10 3/4"	
11. W. Peters (Holland)	13.86	45'5 3/4"	
12. J. Odde (GB)	13.40	43'11 1/2"	

1928 (2 August) - 24 competitors. In the qualifying round the men were divided into two groups. Oda led in the first with 15.21 (49'10 3/4") from Tuulos (14.73'48'4") and Pulkiora (14.70'48'2 3/4"), while Nambu led in the second with 15.01 (49'3") from Casey (14.93'48'11 3/4") and Järvinen (14.65'48'0 3/4"). Tuulos, by then 33, improved to 15.11 (49'7") in the final, then came Casey with his best-ever effort up to that time, 15.17 (49'9 1/4"). But neither was able to go farther and Oda thus won Japan's first Olympic gold medal in track and field. The Japanese had come to Amsterdam with a personal best of 15.41 (50'6 3/4") and was a very good broad jumper.

1. Mikio Oda	Japan	15.21	49'10 3/4"
2. Levi Casey	USA	15.17	49'9 1/4"
3. Vilho Tuulos	Finland	15.11	49'7"
4. Chuhei Nambu	Japan	15.01	49'3"
5. Toimi Tulikoura	Finland	14.70	48'2 3/4"
6. Erkki Järvinen	Finland	14.65	48'0 3/4"
7. W. Peters (Holland)	14.55	47'8 3/4"	
8. V. Rainio (Finland)	14.41	47'3 1/4"	
9. F. (Rie) S. Bowman (USA)	and J. Blankers (Holland)	14.35	47'1"
10. L. Bourgeois (USA)	14.28	46'10 1/4"	
12. A. Winter (Australia)	14.15	46'5 1/2"	

1932 (4 August) - 16 competitors. Svensson led till the fifth round, when Nambu gathered himself up and clinched the gold medal with a record-breaking 15.72 (51'7"), which was featured by a 6.40 (21'0") hop, a 4.39 (14'4 3/4") step and a 4.93 (16'2 1/4") jump. At the time Nambu also held the world record for the broad jump. He is to this day the last man to have excelled in such a double capacity.

1. Chuhei Nambu	Japan	15.72	51'7" (WR)
(15.07 - 14.67 - 15.22 - 14.89 - 15.72 - 14.85)			
2. Erik Svensson	Sweden	15.32	50'3 1/4"
(14.21 - 15.32 - f - 14.70 - 14.77 - f)			
3. Kenkichi Oshima	Japan	15.12	49'7 1/4"
(f - f - 15.05 - f - 14.85 - 15.12)			
4. Esamonn Fitzgerald	Ireland	15.01	49'3"
5. Willem Peters	Holland	14.93	48'11 3/4"
6. Sol Furth	USA	14.88	48'9 3/4"
7. S. Bowman (USA)	14.87	48'9 1/2"	
8. R. L. Romero (USA)	14.85	48'8 1/2"	
9. P. Bacsalmási (Hungary)	14.33	47'10 1/4"	
10. F. Tabai (Italy)	14.29	46'10 1/2"	
Defending champion M. Oda (Japan), injured, was 12th with 13.97 (45'10").			

1936 (6 August) - 31 competitors. Twenty-three men attained the qualifying distance, 14.00 (45'11 1/4"). There was a slight and generally assisting wind during the final. Tajima's new world record was, however, fully legitimate. His record distance was achieved with a hop of 6.20 (20'4"), a step of 4.00 (13'11 1/2") and a jump of 5.80 (19'0 1/2"). It should be noted that Tajima had a pre-Games best of 15.40 (50'6 1/4").

1. Naoto Tajima	Japan	16.00	52'6" (WR)
(15.76 - f - 15.44 - 16.00 - 15.65 - f - f)			
2. Masao Harada	Japan	15.66	51'4 1/2"
(15.39 - 15.45 - 15.42 - 15.50 - 15.27 - 15.66)			
3. Jack Metcalfe	Australia	15.50	50'10 1/4"
(15.50 - f - 14.67 - 14.83 - f - 15.20)			

4. Heinz Wöllner	Germany	15.27	50'1"1/4
(15.27 - foul - foul - 14.53 - foul - 14.23)			
5. Roland Romero	USA	15.08	49'5"3/4
(14.68 - foul - 14.90 - foul - 15.08 - 15.04)			
6. Kenkichi Oshima	Japan	15.07	49'5"1/4
(15.07 - foul - foul - foul - foul - foul)			

7. E. Joch (Germany) 14.88 (48'9"3/4); 8. D. Wilkins (USA) 14.83 (48'7"3/4); 9. O. Suomela (Finland) 14.72 (48'1"1/2); 10. L. Long (Germany) 14.62 (47'11"1/2); 11. E. Luckhaus (Poland) 14.61 (47'11"1/4); 12. L. Somló (Hungary) 14.60 (47'10"); 13. O. Rajasaari (Finland) 14.59 (47'10"1/2).

1. Arne Åhman	Sweden	15.40	50'6"1/4
(15.40 - 14.68 - 14.89 - 14.58 - foul)*			
2. George Avery	Australia	15.365	50'5"
(15.365 - foul - 14.67 - 14.32 - 14.78)*			
3. Ruhl Sarialp	Turkey	15.025	49'3"1/2
(14.23 - 15.02 - 14.91 - 15.025 - foul)*			
4. Preben Larsen	Denmark	14.83	48'7"3/4
5. Geraldo de Oliveira	Brazil	14.825	48'7"5/8
6. Valdemar Rautio	Finland	14.70	48'2"3/4

7. L. McKeand (Australia) 14.53 (47'8"); 8. H. Coutinho da Silva (Brazil) 14.49 (47'6"1/2); 9. A. Hallgren (Sweden) 14.485 (47'6"1/4); 10. W. Albans (USA) 14.33 (47'0"1/4); 11. A. Ferreira da Silva (Brazil) 14.31 (46'11"1/2); 12. Won Kwon Kim (Korea) 14.25 (46'9"); 13. L. Moberg (Sweden) 14.215 (46'7"5/8).

1. Adhemar Ferreira da Silva	Brazil	16.22	53'2"1/2 (WR)
(15.95 - 16.12 - 15.54 - 16.09 - 16.22 - 16.05)			
2. Leonid Shcherbakov	USSR	15.98	52'5"1/4
(15.07 - 15.26 - 15.18 - 15.98 - 15.84 - foul)			
3. Arnoldo Devonish	Venezuela	15.52	50'11"
(15.04 - 15.52 - injured, withdrew)			
4. Walter Ashbaugh	USA	15.39	50'6"
(15.05 - 15.39 - 14.56 - 14.50 - 15.38 - foul)			
5. Rune Nilssen	Norway	15.13	49'7"3/4
(15.13 - 14.21 - foul - 14.70 - foul - foul)			
6. Yoshio Iimuro	Japan	14.99	49'2"1/4
(14.99 - foul - foul - foul - 14.66 - 13.70)			

7. G. de Oliveira (Brazil) 14.95 (49'0"1/2); 8. R. Norman (Sweden) 14.89 (48'10"); 9. R. Hiltunen (Finland) 14.85 (48'8"3/4); 10. Z. Weinberg (Poland) 14.76 (48'5"); 11. J. Gerhardt (USA) 14.69 (48'2"1/4); 12. R. Ramos (Portugal) 14.69 (48'2"1/4). Defending champion A. Åhman (Sweden) was 15th with 14.05 (46'11"1/4).

1. Adhemar Ferreira da Silva	Brazil	16.35	53'7"3/4 (OR)
(15.69 - 16.04 - 15.90 - 16.55* - 16.26 - 16.21)			
2. Vilhjálmur Einarsson	Iceland	16.26	53'4"1/4
(foul - 16.26 - 15.81 - foul - 15.61 - pass)			
3. Vitold Kreyer	USSR	16.02	52'6"3/4
(15.83 - foul - 16.02 - 15.51 - foul - foul)			
4. William Sharpe	USA	15.88	52'1"1/4
(15.88 - foul - 14.15 - injured, withdrew)			
5. Martin Rehak	Czechoslovakia	15.85	52'0"
(15.58 - foul - 15.85 - foul - 15.10 - 15.63)			
6. Leonid Shcherbakov	USSR	15.80	51'10"
(15.75 - foul - 15.58 - foul - 15.80 - 15.12)			

7. K. Sakurai (Japan) 15.73 (51'7"1/4); 8. M. Kozaka (Japan) 15.64 (51'3"3/4); 9. K. Wilmschurst (GB) 15.54 (50'11"3/4); 10. B. Malcherzyk (Poland) 15.54 (50'11"3/4); 11. I. Davis (USA) 15.40 (50'6"1/4); 12. G. Shaw (USA) 15.33 (50'3"1/2); 13. H. Shibata (Japan) 15.25 (50'0"1/2). * Ratio: hop 6.40 (21'0"), step 4.60 (15'1"), jump 5.35 (17'6"3/4).

1. József Schmidt	Poland	16.81	55'1"3/4 (OR)
(16.78 - foul - 16.81* - foul - 16.63 - 13.48)			
2. Vladimir Goryayev	USSR	16.63	54'6"3/4
(16.11 - 16.39 - 15.55 - 16.63 - 16.28 - foul)			
3. Vitold Kreyer	USSR	16.43	53'11"
(16.21 - 16.00 - 15.96 - 16.01 - 15.91 - 16.43)			
4. Ira Davis	USA	16.41	53'10"
(foul - 16.41 - foul - 16.13 - foul - 16.05)			
5. Vilhjálmur Einarsson	Iceland	16.37	53'8"1/2
(16.37 - 16.06 - 15.90 - 16.24 - foul - 16.36)			
6. Ryszard Malcherzyk	Poland	16.01	52'6"1/4
(15.87 - 16.01 - 15.83 - 15.82 - 13.18 - 14.66)			

7. M. Hinze (Germany) 15.93 (52'3"1/4); 8. K. Rahnko (Finland) 15.84 (51'11"); 9. I. Tomlinson (Australia) 15.71 (51'6"1/2); 10. Y. Mikhailov (USSR) 15.67 (51'5"); 11. Sten Erickson (Sweden) 15.49 (50'9"3/4); 12. P. Alsop (GB) 15.49 (50'9"3/4); 13. J. Baguley (Australia) 15.22 (49'11"1/4); 14. A. F. da Silva (Brazil) 15.07 (49'5"). * Ratio: 5.99 (19'7"3/4) hop, 4.90 (16'1") step, 5.92 (19'5") jump.

SHOT PUT

1896 (7 April) - 7 competitors. The implement was thrown from a 7-foot (2.13) square.

1. Robert Garrett	USA	11.22	36'9"3/4 (OR)
2. Miltiadis Goukous	Greece	11.20	36'9"

3. Georgios Papisideris	Greece	10.36	34'0"
4. George Stuart Robertson	Great Britain	9.95	32'7"3/4
5. A. Adler	France		
6. Sotirios Versis	Greece		

7. C. Winckler (Denmark).
1900 (15 July) - 10 competitors. The implement was thrown from a 7-foot (2.13) square.

1. Richard Sheldon	USA	14.10	46'3"1/4 (OR)
2. Josiah McCracken	USA	12.85	42'2"
3. Robert Garrett	USA	12.37	40'7"
4. R. Crettler	Hungary	12.05	39'6"1/2
5. Panagiotis Paraskevopoulos	Greece	11.29	37'0"1/2
6. Gustaf Söderström	Sweden	11.18	36'8"1/4

1904 (31 August) - 8 competitors. For the first time in Olympic history, the implement was thrown from a 7-foot (2.13) circle. Rose, a 20-year-old giant standing 6'6" (1.98) and weighing 235 pounds (106 Kgs), excelled 47 feet in the qualifying round. In the final he opened with 47'1" (14.35), but Coe responded with a toss of 47'3" (14.40). Then Rose unleashed an impressive 48'7" (14.81)--a new world record, although it should be noted that Coe had attained exactly the same distance unofficially before the Games. Nicolaos Georgantas of Greece excelled 43 feet (13.10) twice but was disqualified for throwing the shot--a violation of the rule already in force in USA.

1. Ralph Rose	USA	14.81	48'7" (WR)
2. Wesley Coe	USA	14.40	47'3"
3. L. E. J. Feuerbach	USA	13.37	43'10"1/2
4. Martin Sheridan	USA	12.39	40'8"
5. Charles Chadwick	USA		
6. A. A. Johnson	USA		

1908 (16 July) - 26 competitors. Rose successfully defended his title from the assault of Dennis Horgan, the Irish stalwart who between 1893 and 1912 won the British A.A.A. title 13 times. Places from fourth to eighth are somewhat uncertain. The throwing was done in sections and some of the non-qualifying marks were not measured.

1. Ralph Rose	USA	14.21	46'7"1/2
2. Dennis Horgan	Great Britain	13.62	44'8"1/4
3. John Garrels	USA	13.18	43'3"
4. Wesley Coe	USA	13.07	42'10"1/2
5. J. Barrett	Great Britain	12.89	42'3"1/2
6. Marquis Horr	USA	12.82	42'1"

7. J. Sauli (Finland) 41'3"1/2 (12.58); 8. L. Talbot (USA) 38'2" (11.63).

1912 (10 July) - 22 competitors. Defending champion Rose was the leader in the early rounds with puts of 14.98 (49'1"3/4) and 15.25 (50'0"1/2), with Irish-born Pat McDonald a distant second at 14.78 (48'6"). The first three in the qualifying round were admitted to the final, in which each man had three trials. It was here that McDonald shot into the lead with his first toss--15.34 (50'4").

1. Patrick McDonald	USA	15.34	50'4" (OR)
2. Ralph Rose	USA	15.25	50'0"1/2
3. Lawrence Whitney	USA	13.93	45'8"1/2
4. Elmer Niklander	Finland	13.65	44'9"1/2
5. G. Philbrook	USA	13.13	43'1"
6. István Mudin	Hungary	12.81	42'0"1/4

7. E. Nilsson (Sweden) 12.62 (41'4"3/4); 8. P. Quinn (GB) 12.53 (41'1"1/4); 9. A. Tison (France) 12.41 (40'8"1/2); 10. P. Aho (Finland) 12.40 (40'8"1/4).

1920 (18 August) - 20 competitors. A qualifying round was held on 17 August, in hot weather. Niklander led the qualifiers with 14.15 (46'5"1/4), followed by defending champion McDonald (14.08-46'2"1/4), Pörrhöll (14.05-46'0"1/2). In the final, Pörrhöll improved to 14.81 (48'7") and that settled the issue as far as the first place was concerned. Liversedge moved to third, a half centimeter behind Niklander.

1. Ville Pörrhöll	Finland	14.81	48'7"
2. Elmer Niklander	Finland	14.15	46'5"1/4
3. Harry Liversedge	USA	14.15	46'5"
4. Patrick McDonald	USA	14.08	46'2"1/4
5. Einar Nilsson	Sweden	13.87	45'6"
6. Harald Tammer	Estonia	13.605	44'7"1/2

7. G. Bihlman (USA) 13.575 (44'6"1/2); 8. H. D. Cann (USA) 13.52 (44'4"1/4); 9. B. Jansson (Sweden) 13.27 (43'6"1/2); 10. A. Taipale (Finland) 12.945 (42'5"1/2); 11. O. Petersen (Denmark) 12.525 (41'1"); 12. R. Paoli (France) 12.485 (40'11"1/2).

1924 (8 July) - 28 competitors. Houser led the qualifiers with 14.995-49'2"1/4. That was to remain the longest put for the rest of the competition and Houser thus won the first of his two gold medals in the space of 5 days. Hartranft, who had done 14.405 (47'3") in the qualifying round, improved to 14.895 (48'10"1/2) in the final.

1. Clarence Houser	USA	14.995	49'2"1/4
2. Glenn Hartranft	USA	14.895	48'10"1/2
3. Ralph Hills	USA	14.64	48'0"1/2
4. Hannes Torpo	Finland	14.45	47'5"
5. Norman Anderson	USA	14.29	46'10"1/2
6. Elmer Niklander	Finland	14.265	46'9"1/2

7. V. Pörrhöll (Finland) 14.10 (46'3"); 8. B. Jansson (Sweden) 13.76 (45'1"3/4); 9. R. Paoli (France) 13.555 (44'4"3/4); 10. S. Sundström (Sweden) 13.53 (44'4"); 11. A. Takala (Finland) 13.315 (43'8"1/4); 12. H. Tammer (Estonia) 13.28 (43'6").

1928 (29 July) - 22 competitors. Most of the good marks occurred in the qualifying round, with Brix leading at 15.75 (51'8"), followed by Hirschfeld (15.72-51'7"), Kuck (15.03-49'3"3/4), Krenz (14.99-49'2"1/4), Wahlstedt and Uebler (both 14.69-48'2"1/4). In the final, only Kuck managed to improve and did so with a new world record of 15.87 (52'0"3/4). Brix and former world record holder Hirschfeld were consistent in the 15-meter-plus range but could not match Kuck's effort. Wahlstedt beat Uebler in the throw-off for fifth place, 13.92 (45'8") to 13.82 (45'4").

1. John Kuck	USA	15.87	52'0"3/4 (WR)
2. Herman Brix	USA	15.75	51'8"
3. Emil Hirschfeld	Germany	15.72	51'7"
4. Eric Krenz	USA	14.99	49'2"1/4
5. Armas Wahlstedt	Finland	14.69	48'2"1/4
6. Wilhelm Uebler	Germany	14.69	48'2"1/4

7. H. Rothert (USA) 14.68 (48'2"); 8. J. Darányi (Hungary) 14.35 (47'1"); 9. P. Yrjölä (Finland) 14.01 (45'11"1/2); 10. W. Nüesch (Switzerland) 13.77 (45'2"); 11. E. Duhour (France) 13.72 (45'0"1/4); 12. N. Feldman (Estonia) 13.54 (44'5").

1932 (31 July) - 15 competitors. Leo Sexton, a consistent 52'-plus performer throughout the season, took the lead in the third round and finally wound up with a toss of 16.005 (52'6").

1. Leo Sexton	USA	16.005	52'6" (OR)
(15.60 - 15.56 - 15.72 - 15.94 - 15.48 - 16.005)			
2. Harlow Rothert	USA	15.675	51'5"
(15.67 - 15.67 - 15.43 - 14.99 - foul - foul)			
3. Frantisek Douda	Czechoslovakia	15.61	51'2"1/2
(15.61 - 15.24 - 14.49 - 15.05 - 15.22 - 15.33)			
4. Emil Hirschfeld	Germany	15.565	51'0"3/4
5. Nelson Gray	USA	15.465	50'8"3/4

6.Hans-Heinrich Sievert Germany 15.075 49'5"1/2
 7.J.Daranyi (Hungary) 14.67 (48'11"2); 8.J.Noël (France) 14.53 (47'8");
 9.Z.Heljasz (Poland) 14.49 (47'6"1/2); 10.H.Hart (South Africa) 14.22 (46'7"3/4).

1936 (2 August) - 22 competitors. Fifteen men attained the qualifying distance, 14.50 (47'6"3/4). In the final, Wöllke and Ehrlund alternated in the lead. The German decisively took the lead in the fifth round, Jack Torrance, obviously far from his 1934 form--when he did 17.40-57'11"--, was a disappointing fifth.

1.Hans Wöllke Germany 16.20 53'1"3/4 (OR)
 (15.96 - 14.76 - 15.72 - 15.90 - 16.20 - 14.98)
 2.Sulo Bärlund Finland 16.12 52'10"3/4
 (15.68 - 16.03 - 14.98 - 15.52 - 16.12 - 15.42)
 3.Gerhard Stöck Germany 15.66 51'4"1/2
 (15.56 - 15.56 - 15.14 - 15.29 - 14.78 - 15.66)
 4.Samuel Francis USA 15.45 50'8"1/4
 (15.45 - 15.09 - 15.09 - foul - 14.57 - 13.61)
 5.Jack Torrance USA 15.38 50'5"1/2
 (15.38 - 14.40 - 15.34 - 14.79 - 14.57 - 14.56)
 6.Dimitri Zaitz USA 15.32 50'3"1/4
 (15.32 - 14.16 - 14.09 - 14.09 - foul - 14.85)

7.F.Douda (Czechoslovakia) 15.28 (50'1"1/2); 8.A.Viiding (Estonia) 15.23 (49'11"1/2); 9.G.Berg (Sweden) 15.01 (49'3"); 10.H.H.Sievert (Germany) 14.79 (48'6"1/4).

1948 (3 August) - 24 competitors. Nine men attained the qualifying distance, 14.60 (47'10"3/4). These and the 3 next best performers were admitted to the final. Fuchs led the qualifiers with 15.87 (52'0"3/4), followed by Thompson (15.09-49'6"), Delaney (14.97-49'1"1/4), Lehtilä (14.85-48'8"3/4), Giles (14.795-48'6"1/2), Jouppila (14.72-48'3"1/2), Arvidsson and Lomowski (both 14.70-48'2"3/4). In the final, "Moose" Thompson had his Day of Days and won easily. His last throw, a foul, was in the vicinity of 17.30 (56'9").

1.Wilbur Thompson USA 17.12 56'2" (OR)
 (16.47 - 17.12 - 16.97 - 16.67 - 16.80 - foul)
 2.James Delaney USA 16.68 54'8"3/4
 (16.14 - 16.68 - 15.88 - 16.03 - 16.03 - 16.28)
 3.James Fuchs USA 16.42 53'10"1/2
 (16.32 - 16.42 - 15.60 - 15.56 - 14.82 - 16.28)
 4.Mieczyslaw Lomowski Poland 15.43 50'7"1/2
 5.Gösta Arvidsson Sweden 15.37 50'5"
 6.Yrjö Lehtilä Finland 15.05 49'4"1/2

7.J.Jouppila (Finland) 14.59 (47'10"1/2); 8.C.Kalina (Czechoslovakia) 14.55 (47'8"3/4); 9.C.Yataganas (Greece) 14.54 (47'8"1/2); 10.W.Gierutto (Poland) 14.37 (47'1"3/4); 11.J.Giles (GB) 13.73 (45'0"1/2); 12.S.Sigurdsson (Iceland) 13.66 (44'9"3/4).

1952 (21 July) - 20 competitors. Thirteen men attained the qualifying distance, 14.60 (47'10"3/4). O'Brien led the qualifiers with 16.05 (52'8"), followed by Grigalka (15.90-52'2"), Nilsson (15.81-51'10"1/2), Hooper (15.48-50'9"1/2), Fuchs (15.29-50'2"), Skobla (15.29-50'2"). In the final, O'Brien opened with a new Olympic record of 17.41 (57'1"1/2). His arch rival Barrow Hooper came dangerously close to matching that performance on his last try but had to settle for second. World record holder Jim Fuchs, with an injured hand, managed to make it a clean sweep for USA.

1.Parry O'Brien USA 17.41 57'1"1/2 (OR)
 (17.41 - 17.21 - 16.79 - 16.87 - 17.12 - 16.53)
 2.Darrow Hooper USA 17.39 57'0"3/4
 (17.02 - 16.59 - 17.08 - 16.90 - 16.93 - 17.39)
 3.James Fuchs USA 17.06 55'11"3/4
 (16.93 - pass - pass - pass - 17.06 - pass)
 4.Otto Grigalka USSR 16.78 55'0"3/4
 (16.53 - 16.78 - 15.91 - 16.27 - 16.29 - 16.33)
 5.Roland Nilsson Sweden 16.55 54'3"1/2
 (16.55 - 16.08 - 16.33 - foul - foul)
 6.John Savidge Great Britain 16.19 53'1"1/2
 (16.17 - 16.18 - foul - 16.19 - 16.03 - foul)

7.G.Pyodorov (USSR) 16.06 (52'8"1/4); 8.P.Stavem (Norway) 16.02 (52'6"3/4); 9.J.Skobla (Czechoslovakia) 15.92 (52'2"3/4); 10.T.Krzyzanowski (Poland) 15.08 (49'5"3/4); 11.L.Quiller (France) 14.84 (48'8"1/4); 12.A.Profeti (Italy) 14.74 (48'4"1/4); 13.A.Schwab (Austria) 14.45 (47'5").

1956 (28 November) - 14 competitors. All entrants attained the qualifying distance, 15.00 (49'2"1/2). Skobla led the qualifiers with 17.15 (56'3"1/4), followed by Nieder (16.76-54'11"3/4), O'Brien (16.63-54'6"3/4), Donath (16.57-54'4"1/4), Uddebom (16.35-53'1"1/2), Meconi (16.19-53'1"1/2). In the final, the first four surpassed the Olympic record a total of 12 times. Defending champion O'Brien was the class of the field. Skobla succeeded in preventing another USA sweep.

1.Parry O'Brien USA 18.57 60'11"1/4 (OR)
 (17.92 - 18.47 - 18.37 - 18.45 - 18.57 - 18.23)
 2.William Nieder USA 18.18 59'7"3/4
 (foul - 17.61 - 17.81 - 16.82 - 18.18 - foul)
 3.Jiri Skobla Czechoslovakia 17.65 57'11"
 (17.39 - 16.70 - 17.34 - 17.51 - 17.05 - 17.65)
 4.Kenneth Bantum USA 17.48 57'4"1/4
 (16.99 - foul - 16.27 - 17.48 - foul - foul)
 5.Boris Balyayev USSR 16.96 55'7"3/4
 (16.96 - 16.05 - 16.58 - 15.96 - 16.11 - 16.24)
 6.Erik Uddebom Sweden 16.65 54'7"1/2
 (16.54 - foul - 16.65 - 15.74 - 16.06 - 16.31)

7.K.H.Wegmann (Germany) 16.63 (54'6"3/4); 8.G.Tsakanikas (Greece) 16.56 (54'4"); 9.B.Donath (Australia) 16.52 (54'2"1/2); 10.S.Meconi (Italy) 16.28 (53'5"); 11.P.Hanlin (Australia) 16.08 (52'9"); 12.B.Palmer (GB) 15.81 (51'10"1/2); 13.V.Loshchilov (USSR) 15.62 (51'3"); 14.R.Thomas (France) 15.31 (50'2"3/4).

1960 (31 August) - 24 competitors. Fifteen men attained the qualifying distance, 16.75 (54'11"1/2). Among those who fell by the wayside was Arthur Rowe of Britain, the European record holder--he could do no better than 16.68 (54'8"3/4). Lipnsis and Long led the qualifiers with 17.65 (57'11"), followed by Skobla (17.32-56'10"), O'Brien (17.29-56'8"3/4), Lindsay (17.28-56'8"1/4), Lucking (17.20-56'5"1/4), Nieder (17.14-56'2"3/4), Urbach (17.09-56'0"3/4), Meconi (17.08-56'0"1/2), Sosgórnik (17.06-55'11"3/4). In the final, O'Brien went into the lead early and held it till the fifth round, when Nieder, the world record holder, shot ahead with a toss of 19.68 (64'6"3/4). Long completed the USA sweep.

1.William Nieder USA 19.68 64'6"3/4 (OR)
 (18.67 - 18.77 - foul - 18.67 - 19.68 - foul)
 2.Parry O'Brien USA 19.11 62'8"1/2
 (18.77 - 19.11 - foul - 18.64 - 17.41 - 18.39)
 3.Dallas Long USA 19.01 62'4"1/2
 (16.80 - 18.88 - 18.66 - 18.25 - foul - 19.01)
 4.Viktor Lipnsis USSR 17.90 58'8"3/4
 (17.28 - 17.90 - 17.51 - foul - foul - 17.83)
 5.Michael Lindsay Great Britain 17.80 58'4"3/4
 (17.63 - 17.61 - 17.80 - 17.09 - 17.39 - 17.43)
 6.Alfred Sosgórnik Poland 17.57 57'7"3/4
 (17.57 - 17.40 - foul - foul - 17.52 - 17.39)

7.D.Urbach (Germany) 17.47 (57'3"3/4); 8.M.Lucking (GB) 17.43 (57'2"1/4);

9.J.Skobla (Czechoslovakia) 17.39 (57'0"3/4); 10.J.Flihal (Czechoslovakia) 17.36 (56'11"1/2); 11.L.Mills (NZ) 17.06 (55'11"3/4); 12.H.Lingnau (Germany) 16.98 (55'8"1/2); 13.S.Meconi (Italy) 16.73 (54'10"3/4); 14.Z.Nagy (Hungary) 16.67 (54'8"1/4); 15.W.Selvey (Australia) 16.18 (53'1").

DISCUS THROW

1896 (6 April) - 11 competitors. Robert Garrett, captain of the Princeton Track team and a virtual novice in this event, went to Athens on his own, after practicing for a while with a steel discus. His Olympic victory thus came as a major surprise--especially to the Greeks, who claimed to have several specialists. The implement was thrown from a 2.50 m (8'2"1/2) square. It is related that Versis threw 29.50 (96'9"1/2) in a special event which was not part of the Olympic program.

1.Robert Garrett USA 29.15 95'7"3/4 (OR)
 2.Athanasios Paraskevopoulos Greece 28.95 95'0"
 3.Sotirios Versis Greece 28.78 94'5"
 4.A.Adler France
 5.Georgios Papisideris Greece
 6.George Stuart Robertson Great Britain

1900 (15 July) - 9 competitors. The implement was thrown in a lane amid some beautiful trees in the Bois de Boulogne. Several competitors, including defending champion Garrett, consistently threw into the trees! Even so, the winner, 21-year-old Rudolf (Rezső) Bauer, reached a distance which was very good in those days.

1.Rudolf Bauer Hungary 36.04 118'3" (OR)
 2.Frantisek Janda Bohemia 35.25 115'7"1/2
 3.Richard Sheldon USA 34.60 113'6"
 4.Athanasios Paraskevopoulos Greece 34.04 111'8"
 5.R.Crettier Hungary 33.65 110'4"1/2
 6.Christensen Denmark 33.30 109'3"
 7.G.Söderström (Sweden) 33.07 (108'6").

1904 (3 September) - Each man was allowed six throws. At the end of the competition, Sheridan and Rose had reached the same distance, so there was a throw-off, in which Sheridan beat his opponent by five feet (1.50).

1.Martin Sheridan USA 39.28 128'10"1/2 (OR)
 2.Ralph Rose USA 39.28 128'10"1/2
 3.Nicolaos Georgantas Greece 37.68 123'7"1/2
 4.John Flanagan USA 36.15 118'7"1/2
 5.J.A.Biller USA
 6.James Mitchell USA

1908 (16 July) - 41 competitors. In the qualifying round, the men were divided into 8 sections. The three best--Griffin 135'6"1/2-40.70, Sheridan 133'1"1/2-40.57 and Horr 129'5"-39.45--were admitted to the final, in which Sheridan moved from second to first.

1.Martin Sheridan USA 40.89 134'2" (OR)
 2.M.H.Griffin USA 40.70 133'6"1/2
 3.Marquis Horr USA 39.45 129'5"
 4.Werner Järvinen Finland 39.43 129'4"1/2
 5.A.K.Dearborn USA 38.52 126'4"1/2
 6.G.Luntzer Hungary 38.54 125'9"1/2
 7.A.Tison (France) 125'8" (38.30); 8.W.G.Burroughs (USA) 122'9"1/2 (37.43).

1912 (12 July) - 40 competitors. In the qualifying round the men were divided into 5 sections. The three best--Taipale 43.91-144'0"1/2, Byrd 42.32-138'10" and Duncan 42.28-138'8"1/2--were admitted to the final, in which only Taipale improved, reaching 44.34 (145'5"1/2) on his first try and 45.21 (148'4") on his third and last.

1.Armas Taipale Finland 45.21 148'4" (OR)
 2.Richard Byrd USA 42.52 138'10"
 3.James Duncan USA 42.28 138'8"1/2
 4.Elmer Niklander Finland 42.09 138'1"
 5.H.Tromner Austria 41.24 135'3"1/2
 6.Arnie Mucks USA 40.93 134'3"1/2

7.G.Philbrook (USA) 40.92 (134'3"); 8.E.Magnusson (Sweden) 39.91 (130'11"1/4); 9.R.Ujlaki (Hungary) 39.82 (130'7"1/2); 10.E.Nilsson (Sweden) 39.69 (130'2"1/2); 11.R.Rose (USA) 39.65 (130'1").

1920 (22 August) - A qualifying round was held in rainy weather on 21 August. All the good marks were made in that phase of the competition. In the final Zallhagen was the only one to improve, moving from fifth at 40.16 (131'9") to fourth at 41.07 (134'9"). Defending champion Taipale, who appeared to be in record form during practice sessions, unexpectedly lost to his arch rival Niklander.

1.Elmer Niklander Finland 44.685 146'7"1/4
 2.Armas Taipale Finland 44.19 144'11"1/2
 3.Augustus Pope USA 42.13 138'2"1/2
 4.Otto Zallhagen Sweden 41.07 134'9"
 5.W.K.Bartlett USA 40.875 134'1"1/4
 6.Allan Eriksson Sweden 39.41 129'3"1/2
 7.W.Jensen (Denmark) 38.23 (125'5").

1924 (13 July) - 32 competitors. All the good marks were made in the qualifying round. Houser, who had won the shot put five days earlier, is the last man to have scored a shot-discus double in the Olympics.

1.Clarence Houser USA 46.155 151'5" (OR)
 2.Vilho Hilttymaa Finland 44.95 147'5"1/2
 3.Thomas Lieb USA 44.83 147'1"
 4.Augustus Pope USA 44.42 145'8"1/2
 5.Ketil Askilt Norway 43.405 142'4"1/2
 6.Glenn Hartranft USA 42.49 139'5"

7.E.Niklander (Finland) 42.09 (138'1"); 8.H.Malmivirta (Finland) 41.16 (135'0"1/2); 9.A.Polay (Hungary) 41.09 (134'9"1/2); 10.K.Marvalits (Hungary) 40.82 (133'11"); 11.F.Bermingham (Ireland) 40.42 (132'7"1/2); 12.A.Taipale (Finland) 40.215 (131'11").

1928 (1 August) - 34 competitors. Houser, by then a veteran of 27, led the qualifiers with 47.32 (155'3"). Among those who fell by the wayside were Ernst Paulus, a 2.02 (6'7"1/2) giant and Hans Hoffmeister, both of Germany. The latter, who had broken the listed world record before the Games, could manage no better than 39.17 (128'6"). In the final, all but Houser and Kenttä improved, yet it was Houser who finally won the day with his best mark from the qualifying round.

1.Clarence Houser USA 47.32 155'3" (OR)
 2.Antero Kivi Finland 47.23 154'11"1/2
 3.James Corson USA 47.10 154'6"1/2
 4.Harald Stenerud Norway 45.80 150'3"
 5.John Anderson USA 44.87 147'2"1/2
 6.Eino Kenttä Finland 44.17 144'11"

7.E.Paulus (Germany) 44.15 (144'10"); 8.J.Brandem (Norway) 43.97 (144'3"); 9.F.Weicker (USA) 43.81 (143'8"1/2); 10.G.Kalkun (Estonia) 43.09 (141'4"1/2); 11.K.H.Taskinen (Finland) 43.00 (141'1"); 12.J.Jordans (Latvia) 42.78 (140'4").

1932 (3 August) - 18 competitors. Anderson showed great improvement vis-à-vis his Amsterdam form. In the first round of the final, however, N-61 got one off to a distance which appeared to be in the neighborhood of Anderson's top mark. At that very moment, the officials had their minds and eyes on the dramatic pole vault duel between Miller and Nishida. When they wanted to

measure Noél's throw later on, no trace could be found in the ground, and much to his despair Noél received no recognition for his effort. He was allowed to take one more try at the end of the regular competition, but he failed to do himself justice. World record holder Paul Jessup could do no better than eighth.

1. John Anderson	USA	49.49	162'4 1/2 (OR)
(47.87 - 48.86 - 49.39 - 49.49 - 48.72 - 47.98)			
2. Henri Laborde	USA	48.47	159'0 1/2
(48.23 - foul - 48.45 - foul - 48.47 - 47.15)			
3. Paul Winter	France	47.85	157'0"
(47.85 - 47.85 - 47.85 - 47.85 - 47.85 - 47.85)			
4. Jules Noël	France	47.74	156'7 1/2
(47.74 - 47.74 - 47.74 - 47.74 - 47.74 - 47.74)			
5. István Donogán	Hungary	47.08	154'5 1/2
(47.08 - 47.08 - 47.08 - 47.08 - 47.08 - 47.08)			
6. Endre Madarász	Hungary	46.52	152'7 1/2
(46.52 - 46.52 - 46.52 - 46.52 - 46.52 - 46.52)			

7. K. Kotkas (Finland) 45.87 (150'6"); 8. P. Jessup (USA) 45.25 (148'5 1/2); 9. J. Remezc (Hungary) 45.02 (147'8 1/2); 10. E. Janusch (Austria) 44.82 (147'0 1/2); 11. H. H. Sievert (Germany) 44.51 (146'0 1/2); 12. H. Hart (South Africa) 43.33 (142'2").

1926 (5 August) - 31 competitors. Thirteen men attained the qualifying distance, 44.00 (144'4"). Schröder, the world record holder, barely won access to the final by beating Bergh in a throw-off. Harald Andersson of Sweden, Europe's most consistent thrower, suffering from an injury in his right hand, was unable to qualify. In the final, Carpenter moved from third to first on his next-to-the-last trial.

1. Kenneth Carpenter	USA	50.48	165'7 1/2 (OR)
(foul - 44.53 - 48.98 - foul - 50.48 - 47.48)			
2. Gordon Dunn	USA	49.36	161'11"
(foul - 49.36 - 48.04 - 47.21 - 47.77 - 49.36)			
3. Giorgio Oberweger	Italy	49.23	161'6"
(46.67 - 46.65 - 49.23 - 47.28 - foul - 49.23)			
4. Reidar Sörille	Norway	48.77	160'0"
(47.01 - 48.77 - 46.79 - 47.66 - 48.65 - 47.87)			
5. Willy Schröder	Germany	47.93	157'3"
(44.79 - 47.22 - 45.01 - 47.39 - 47.81 - 47.93)			
6. Nicolaos Syllas	Greece	47.75	156'8"
(47.75 - 44.58 - 47.07 - 45.34 - 47.59 - 47.67)			

7. G. Bergh (Sweden) 47.26 (154'11"); 8. A. Hedvall (Sweden) 46.20 (151'7"); 9. A. Wotapek (Austria) 46.05 (151'1"); 10. H. Sivertsen (Norway) 45.89 (150'6 1/2); 11. H. Fritsch (Germany) 45.10 (147'11 1/2); 12. J. Noël (France) 44.56 (146'2 1/2).

1948 (2 August) - 35 competitors. Only eight men attained the qualifying mark, 46.00 (150'11"). As a result, the four next best performers were also admitted to the final. Consolini led the qualifiers with 51.08 (167'7"), a new Olympic record, with Tosi (50.56-165'10 1/2) and Gordien (48.40-158'9 1/2) following in that order. In the final, most of the good throws were made in the early rounds. Then drizzle turned into rain and the water-logged circle precluded spectacular advances.

1. Adolfo Consolini	Italy	52.78	173'2" (OR)
(49.67 - 52.78 - 47.94 - foul - 50.51 - 50.43)			
2. Giuseppe Tosi	Italy	51.78	169'10 1/2
(51.78 - 48.81 - 50.11 - 50.09 - foul - 51.18)			
3. Fortune Gordien	USA	50.77	166'7"
(47.95 - 49.20 - 50.77 - foul - 48.74 - foul)			
4. Ivar Ramstad	Norway	49.21	161'5 1/2
(49.21 - 49.21 - 49.21 - 49.21 - 49.21 - 49.21)			
5. Perenc Klics	Hungary	48.21	158'2"
(48.21 - 48.21 - 48.21 - 48.21 - 48.21 - 48.21)			
6. Velkko Nyqvist	Finland	47.33	155'3 1/2
(47.33 - 47.33 - 47.33 - 47.33 - 47.33 - 47.33)			

7. N. Syllas (Greece) 47.25 (155'0"); 8. S. Johnsen (Norway) 46.54 (152'8"); 9. A. Huotoniemi (Finland) 45.28 (148'6 1/2); 10. U. Fransson (Sweden) 45.25 (148'5 1/2); 11. H. Tunner (Austria) 44.43 (145'9"); 12. E. Julve (Peru) 44.05 (144'6").

1952 (22 July) - 32 competitors. Seventeen men attained the qualifying distance, 46.00 (150'11"). Defending champion Consolini led the qualifiers with 51.89 (170'3"), followed by Gordien (50.34-165'2"), Grigalka (48.93-160'6 1/2), Iness (48.90-160'5"), Dillion (47.92-157'2 1/2) and Syllas (47.84-156'11 1/2). In the final, Iness, a 22-year-old giant, beat the listed Olympic record in all his 6 throws.

1. Jim Iness	USA	55.03	180'6 1/2 (OR)
(53.47 - 54.60 - 55.03 - 53.49 - 54.13 - 52.83)			
2. Adolfo Consolini	Italy	53.78	176'5"
(51.69 - 53.78 - 53.45 - 50.63 - 50.08 - 51.20)			
3. James Dillion	USA	53.28	174'9 1/2
(52.47 - 48.06 - 51.76 - 53.28 - foul - 52.28)			
4. Fortune Gordien	USA	52.66	172'9"
(52.52 - 52.66 - 51.71 - 51.48 - foul - 49.93)			
5. Perenc Klics	Hungary	51.13	167'9"
(48.74 - 49.07 - 51.13 - foul - 49.79 - foul)			
6. Otto Grigalka	USSR	50.71	166'4 1/2
(50.71 - foul - 47.84 - foul - foul)			

7. R. Nilsson (Sweden) 50.06 (164'3"); 8. G. Tosi (Italy) 49.03 (160'10"); 9. N. Syllas (Greece) 48.99 (160'8 1/2); 10. B. Matveyev (USSR) 48.70 (159'9"); 11. B. Butyenko (USSR) 48.15 (157'11 1/2); 12. V. Nyqvist (Finland) 47.72 (156'6.5).

1956 (27 November) - 20 competitors. Sixteen men attained the qualifying distance, 47.00 (154'2 1/2). The leading qualifiers were Oerter (51.18-167'11"), Du Plessis (50.69-166'3 1/2), Bukhantsev (49.65-162'10 1/2), Consolini (49.43-162'2"), Pharaoh (48.97-160'8"), Matveyev (48.96-160'7 1/2). In the final, the 20-year-old Oerter killed the opposition with his very first throw, a personal best as well as a new Olympic record. Consolini, 39, and Gordien, 34, placed among the first six for the third time. The Italian was partly handicapped by an injury in the index finger of his right hand.

1. Alfred Oerter	USA	56.36	184'10 1/2 (OR)
(56.36 - 53.81 - 53.22 - 55.08 - 53.28 - 54.93)			
2. Fortune Gordien	USA	54.81	179'9 1/2
(54.75 - 49.18 - 51.40 - 53.84 - 52.75 - 54.81)			
3. Desmond Koch	USA	54.40	178'5 1/2
(50.53 - foul - 53.55 - 53.64 - 54.40 - 54.03)			
4. Mark Pharaoh	Great Britain	54.27	178'0 1/2
(52.52 - foul - 53.26 - 49.85 - 54.27 - 53.16)			
5. Otto Grigalka	USSR	52.37	171'9 1/2
(51.25 - 50.09 - 52.37 - 49.44 - foul - 50.13)			
6. Adolfo Consolini	Italy	52.21	171'3 1/2
(51.92 - 52.21 - 52.13 - foul - 51.29 - 52.01)			

7. R. Klics (Hungary) 51.82 (170'0"); 8. D. Rodosevic (Yugoslavia) 51.69 (169'7"); 9. B. Matveyev (USSR) 51.38 (168'6 1/2); 10. G. Carr (GB) 50.72 (166'5"); 11. G. Kruea (Argentina) 49.89 (163'8"); 12. K. Bukhantsev (USSR) 48.58 (159'4.5); 13. S. Du Plessis (South Africa) 48.49 (159'1").

1960 (7 September) - 35 competitors. Twenty-two men attained the qualifying distance, 52.00 (170'7"). Defending champion Oerter beat the listed world record in a warm-up throw, then needed two trials to qualify. Even so, his second throw was 58.43 (191'8 1/2), a new Olympic record. Other leading qualifiers were Szécsényi (55.52-182'1 1/2), Repo (54.84-179'11"), Babka (54.48-178'9"), Piatkowski (54.41-178'6") and Trusenov (54.31-178'2"). In the final, Babka took the lead with his first throw but Oerter shot past his rival with his next-to-the-last throw, thus clinching the gold medal for the second time--again with a personal best.

1. Alfred Oerter	USA	59.18	194'2" (OR)
(57.64 - 56.73 - 56.53 - 56.73 - 59.18 - 57.19)			

2. Richard Babka	USA	58.02	190'4"
(58.02 - 55.33 - 56.14 - 54.93 - 57.52 - 57.41)			
3. Richard Cochran	USA	57.16	187'6 1/2
(foul - 54.75 - 48.71 - 54.51 - 57.16 - 54.49)			
4. József Szécsényi	Hungary	55.79	183'0 1/2
(54.58 - foul - 54.86 - 55.22 - 55.79 - 55.61)			
5. Edmund Piatkowski	Poland	55.12	180'10"
(54.06 - 51.52 - 54.29 - foul - 55.12 - foul)			
6. Viktor Kompanyets	USSR	55.06	180'7 1/2
(55.06 - 53.39 - foul - 53.52 - foul - 51.08)			

7. C. Rado (Italy) 54.00 (177'2"); 8. K. Bukhantsev (USSR) 53.61 (175'10 1/2); 9. P. Repo (Finland) 53.44 (175'4"); 10. F. Klics (Hungary) 53.37 (175'11"); 11. S. Haugen (Norway) 53.36 (175'0 1/2); 12. L. Milde (Germany) 53.33 (174'11.5); 13. Z. Cihák (Czechoslovakia) 53.29 (174'10"); 14. Z. Begier (Poland) 53.18 (174'5 1/2); 15. V. Trusenov (USSR) 52.93 (173'8"); 16. M. Grieser (Germany) 52.69 (172'10 1/2); 17. A. Consolini (Italy) 52.44 (172'0 1/2).

HAMMER THROW

1896: Event not held.

1900 (17 July) - 3 competitors. The implement was thrown from a 9 ft. (2.74) circle.

1. John Flanagan	USA	49.73	163'2" (OR)
2. Truxton Hare	USA	45.13	148'0 1/2
3. Josiah McCracken	USA	42.46	139'3 1/2

1904 (29 August) - 5 competitors. The implement was thrown from a 7 ft. (2.13) circle, as per rule still in force nowadays. Flanagan, the world record holder, achieved the winning distance on his first trial.

1. John Flanagan	USA	51.23	168'1" (OR)
2. John DeWitt	USA	50.27	164'11"
3. Ralph Rose	USA	45.73	150'0 1/2
4. Charles Chadwick	USA	42.79	140'4 1/2
5. James Mitchell	USA		

1908 (14 July) - 18 competitors. In the qualifying round the throwing was done in sections. McGrath led the qualifiers with 167'11" (51.18), followed by Flanagan (165'2 1/2-50.36). In the final, Flanagan moved to first, thus winning his third gold medal in the Olympic history of the event--a feat still unmatched as of today.

1. John Flanagan	USA	51.92	170'4 1/4 (OR)
2. Matthew McGrath	USA	51.18	167'11"
3. Con Walsh	USA	48.50	159'1 1/2
4. Thomas Nicolson	Great Britain	48.09	157'9 1/4
5. Lee Talbot	USA	47.86	157'0 1/4
6. Marquis Horr	USA	46.94	154'0 1/4

7. S. P. Gillis (USA) 149'6 1/2 (45.58).

1912 (14 July) - 14 competitors. In the absence of his arch rival Pat Ryan, McGrath was an easy winner. His best marks were 54.13 (177'7") and 54.74 (179'7").

1. Matthew McGrath	USA	54.74	179'7" (OR)
2. Duncan Gillis	Canada	48.39	158'9"
3. Clarence Childs	USA	48.17	158'0 1/2
4. Robert Olsson	Sweden	46.50	152'6 1/2
5. Carl Johan Lind	Sweden	45.61	149'7 1/2
6. Denis Carey	Great Britain	43.78	143'7 1/2

7. N. Linde (Sweden) 43.32 (142'1 1/2); 8. Carl Johnson (Sweden) 42.58 (139'8.5); 9. R. Rose (USA) 42.58 (139'8 1/2); 10. A. Berg (Sweden) 41.11 (134'10 1/2).

1920 (18 August) - 12 competitors. A qualifying round was held in the morning of the same day. Ryan led the qualifiers with 52.83 (173'3 1/2). Defending champion McGrath injured a knee and had to withdraw after his second preliminary throw. Nicolson arrived at the stadium after the completion of the qualifying round but was nonetheless allowed to take his three throws; he shunted Sweden's Linde to seventh and thus qualified for the final. Only Ryan and Carl Johan ("Massa") Lind managed to improve in the closing rounds.

1. Patrick Ryan	USA	52.83	173'3 1/2
2. Carl Johan Lind	Sweden	48.43	158'10 1/2
3. Basil Bennet	USA	48.25	158'3 1/2
4. Malcolm Svensson	Sweden	47.29	155'1 1/2
5. Matthew McGrath	USA	46.67	153'1 1/2
6. Thomas Nicolson	Great Britain	45.70	149'11"

7. Nils Linde (Sweden) 44.88 (147'3"); 8. J. McEachern (USA) 44.70 (146'8"); 9. Fernott (Canada) 44.66 (146'6"); 10. R. Olsson (Sweden) 44.19 (144'11 1/2); 11. J. Petterson (Finland) 41.76 (137'0"). J. Cameron (Canada)-no valid throw.

1924 (10 July) - 15 competitors. Tootell led the qualifiers with 50.60 (166'0"), followed by Nokes (48.875-160'4"), Eriksson (47.975-157'4 1/2) and McGrath (47.055-154'4 1/2). All but Nokes improved in the final. Tootell won in fine style from McGrath, by then a veteran of 46.

1. Fred Tootell	USA	53.295	174'10"
2. Matthew McGrath	USA	50.84	166'9 1/2
3. Malcolm Nokes	Great Britain	48.875	160'4"
4. Erik Eriksson	Finland	48.74	159'11"
5. Ossian Skiöld	Sweden	48.285	148'6 1/2
6. James McEachern	USA	45.225	148'4 1/2

7. C. J. Lind (Sweden) 44.785 (146'11"); 8. J. Murodock (Canada) 42.48 (139'4 1/2); 9. J. Merchant (USA) 41.455 (136'0"); 10. R. Saint-Pé (France) 36.27 (119'0"); 11. O. Jensen (Denmark) 36.265 (118'11 1/2); 12. P. Zaidin (France) 36.155 (118'7").

1928 (30 July) - 16 competitors. Skiöld led the qualifiers with 51.29 (168'3") followed by Black (49.03-160'10"), O'Callaghan (47.49-155'9 1/2), Gwinn (47.15-154'8"). In the final O'Callaghan, who had only one year of experience in the hammer circle, clinched the gold medal on his next-to-the-last trial. He and Poggioli, 40, were the only ones who managed to improve.

1. Patrick O'Callaghan	Ireland	51.39	168'7"
2. Ossian Skiöld	Sweden	51.29	168'3"
3. Edmund Black	USA	49.03	160'10"
4. Armando Poggioli	Italy	48.37	158'8 1/2
5. Donald Gwinn	USA	47.15	154'8"
6. Fred Connor	USA	46.75	153'4 1/2

7. F. Kleger (Argentina) 46.61 (152'11"); 8. R. Bayer (Chile) 46.34 (152'0 1/2); 9. E. Eriksson (Finland) 46.22 (151'7 1/2); 10. H. Kamerberg (Holland) 46.02 (150'11 1/2); 11. M. Nokes (GB) 45.37 (148'10"); 12. K. Caskey (USA) 44.80 (146'11 1/2).

1932 (1 August) - 14 competitors. Ville Pörhölä, the Olympic shot put champion of 1920, led until the last round, when defending champion Pat O'Callaghan came through to win his second gold medal.

1. Patrick O'Callaghan	Ireland	53.92	176'11"
(47.76 - 52.21 - 50.87 - 51.81 - 51.85 - 53.92)			
2. Ville Pörhölä	Finland	52.27	171'6"
(51.27 - 52.27 - foul - foul - 50.86 - 51.76)			
3. Peter Zarembo	USA	50.33	165'1 1/2
4. Ossian Skiöld	Sweden	49.25	161'7"
5. Grant McDougall	USA	49.12	161'2"
6. Federico Kleger	Argentina	48.33	158'6 1/2

7. G. Jansson (Sweden) 47.79 (156'9 1/2); 8. L. Poggioli (Italy) 46.90 (153'10.5);

(Finland) 58.05 (190'5"1/2).

1952 (23 July) - 26 competitors. Seventeen men attained the qualifying distance, 64.00 (209'11"1/2). Hyytiäinen led the qualifiers with 71.29 (233'10"1/2), followed by Berglund (71.28-233'10"), Tsibulenko (69.42-227'9"), Held (68.62-225'11"1/2). In the final, Cy Young made the winning throw in the second round.

1. Cyrus Young	USA	73.78	242'0"1/2 (OR)
(68.45 - 73.78 - 72.80 - 65.73 - 71.73 - foul)			
2. William Miller	USA	72.46	237'8"1/2
(72.46 - 71.65 - 63.95 - 65.41 - 66.97 - 70.45)			
3. Toivo Hyytiäinen	Finland	71.89	235'10"1/2
(71.89 - 71.24 - 70.25 - 70.00 - 69.55 - 71.16)			
4. Viktor Tsibulenko	USSR	71.72	235'3"1/2
(71.72 - 70.44 - 66.48 - 71.37 - 66.49 - foul)			
5. Branko Dangubic	Yugoslavia	70.55	231'5"1/2
(66.21 - 61.09 - 70.55 - 58.94 - foul - foul)			
6. Vladimir Kuznyetsov	USSR	70.37	230'10"1/2
(70.37 - 65.71 - 64.81 - 56.16 - 58.08 - 60.10)			
7. Ragnar Ericzon (Sweden) 69.04 (226'6"); 8. S. Nikkinen (Finland) 68.80 (225'8"1/2); 9. F. Held (USA) 68.42 (224'5"1/2); 10. P.-A. Berglund (Sweden) 67.47 (221'4"); 11. O. Bengtsson (Sweden) 65.50 (214'10"1/2); 12. H. Koschel (Germany) 64.54 (211'9").			

1956 (26 November) - 21 competitors. Fifteen men attained the qualifying distance, 66.00 (216'6"1/2). Young led the qualifiers with 74.76 (245'3"), followed by Danielson (74.15-243'3"), Kuznyetsov (73.89-242'5")--all over the listed world record. In the final, Danielson moved from sixth to first with a real "killer"--a new world record of 85.71 (281'2"1/2).

1. Egil Danielson	Norway	85.71	281'2"1/2 (WR)
(72.60 - 68.49 - 70.75 - 85.71 - 72.60 - 68.86)			
2. Janusz Sidlo	Poland	79.98	262'4"1/2
(72.78 - foul - 79.98 - 79.70 - 75.79 - 73.50)			
3. Viktor Tsibulenko	USSR	79.50	260'10"
(74.96 - 75.84 - 71.74 - 79.50 - 72.98 - 63.24)			
4. Herbert Koschel	Germany	74.68	245'0"
(74.68 - 60.80 - 69.88 - 71.66 - foul - 61.29)			
5. Jan Kopyto	Poland	74.28	243'8"1/2
(71.82 - 73.32 - 73.03 - 74.28 - 57.20 - 73.27)			
6. Giovanni Lievore	Italy	72.88	239'1"1/2
(71.26 - 72.88 - 67.46 - 65.58 - 64.87 - 55.78)			
7. M. Maquet (France) 71.84 (235'3"1/2); 8. A. Gorshkov (USSR) 70.32 (230'8"1/2); 9. H. Will (Germany) 69.86 (229'2"1/2); 10. P. Conley (USA) 69.74 (228'9"1/2); 11. O. Young (USA) 68.64 (225'2"1/2); 12. Vlad. Kuznyetsov (USSR) 67.14 (220'3").			

1960 (8 September) - 28 competitors. Thirteen men attained the qualifying distance, 74.00 (242'9"1/2). Janusz Sidlo led the qualifiers with a great 85.14 (279'4"), followed by Cantello (79.72-261'6"1/2), Tsibulenko (79.70-261'5"1/2) and Krüger (78.81-258'6"1/2). In the final, 30-year-old Tsibulenko opened with 84.64 (277'8")--his best ever. Most of the favorites fell by the wayside and no one was able to approach Tsibulenko's distance. In the closing rounds, adverse weather conditions made the throwing particularly difficult.

1. Viktor Tsibulenko	USSR	84.64	277'8"
(84.64 - 76.59 - 76.46 - foul - 67.73 - foul)			
2. Walter Krüger	Germany	79.56	260'4"1/2
(79.56 - 66.51 - 71.29 - 75.23 - 72.60 - foul)			
3. Gergely Kulcsar	Hungary	78.57	259'9"
(78.57 - 77.60 - 68.56 - 73.20 - foul - foul)			
4. Väinö Kuisma	Finland	78.40	259'2"1/2
(78.40 - 74.08 - 74.45 - 67.75 - 76.38 - 74.69)			
5. Willy Rasmussen	Norway	78.56	259'1"
(foul - 67.62 - 78.36 - foul - foul - 69.55)			
6. Knut Fredriksson	Sweden	78.33	259'0"
(69.70 - 78.33 - 64.29 - 72.53 - 78.01 - 68.51)			
7. Z. Radziwonowicz (Poland) 77.31 (253'7"1/2); 8. J. Sidlo (Poland) 76.46 (250'10"); 9. C. Lievore (Italy) 75.21 (246'9"); 10. A. Cantello (USA) 74.70 (245'1"); 11. M. Paama (USSR) 74.56 (244'7"1/2); 12. H. Salomon (Germany) 74.11 (243'1"1/2). T. Pedersen (Norway) scratched.			

MARATHON

1896 (10 April) - 25 competitors. Distance 40 kilometers. The race was on a one-way course, from Marathon bridge to Athens Stadium. The start was at 2 p.m. Lermusiaux, a very slim French middle distance ace, was the pace-setter for a good part of the distance. At Pilekri, near the halfway point, he was still in the lead, well ahead of Flack (Australia), the double 800/1500m champion, Blake (USA), Kellner and three Greeks. Soon afterwards Blake gave up the struggle and Vasilaos moved to third. At Karvati, Lermusiaux was still in the lead, but on a steep hill right after that place he began to tire and a little later he dropped out. Flack then took over the lead. Louis, a Greek from Maroussi, who had been lagging behind in the early stages, began to draw nearer and nearer, passing one rival after the other. By the 32nd kilometer he came up to Flack and overtook him, then ran just a few meters ahead of the Australian for the next 4 kilometers. The two were then followed by Kellner, Vasilaos and Velokas. Just before the village of Amelokipi, outside Athens, Louis ran away from Flack, who was by then completely exhausted and was in fact taken up by an ambulance. Louis went on to win a widely acclaimed victory. Vasilaos was a distant second and another Greek, Velokas, was third (time: 3 h 06:30), but was disqualified for "having violated the rules".

(40,000m)	1. Spyridon Louis	Greece	2 h 58:50
	2. Haralambos Vasilaos	Greece	3 h 06:03
	3. Gyula Kellner	Hungary	3 h 09:35
	4. Leonidas Vretos	Greece	
	5. Evangelos Papaaymeon	Greece	
	6. Demeter Deliyannis	Greece	

1900 (19 July) - 19 competitors. Distance: 40,260 meters. The race was started on the Trocadero, then continued through the Bois de Boulogne and all around the old city walls, circling Paris, to end where it was started. The course, approximately oval shaped, was not sufficiently well patrolled. It was a blistering hot day and only seven men finished.

(40,260m)	1. Michel Theato	France	2 h 59:45
	2. Emile Champion	France	3 h 04:17
	3. Ernst Faust	Sweden	3 h 37:14
	4. E. Resse	France	
	5. J. F. Nyström	Sweden	
	6. Arthur Newton	USA	

1904 (30 August) - 31 competitors. Distance 40,000 meters. The one-way course was laid out over roads many centimeters deep in dust and over seven hills varying from 30 to 100 meters in height. The day was quite warm (32 C. in the shade). Along the road the runners were choked by the dust, partly stirred up by the accompanying autos. At about 15 kilometers, three Americans, Mellor, Carr and Newton were bunched in the lead, with Spring and Lorz about 200 meters back, and Hicks and Kneeland another 3/4 mile back. But Lorz was forced to retire right there, because of cramps. He rode in an auto, later alighted and ran the last 8 kilometers and entered the stadium, where he was hailed a winner. Apparently he did it as a joke, but the officials took it more seriously and he was suspended by the American AAU. (However, this Fred Lorz won the Boston Marathon in 1905). At 23 kilometers Mellor still led with Newton second, and

Hicks, much closer up now, in third place. The sun and dust then began to tell, and several runners dropped out. Hicks tired badly, but was administered strychnine, raw eggs and brandy over the final 11 kilometers and managed to finish 6 minutes in front of the second man. The next three all came in relatively fresh as compared to the winner. Caravajal, a virtual novice in this type of grind, looked like a possible winner until he stopped to eat a couple of green apples gathered from a near-by tree. Soon afterwards he had cramps and could finish no better than fourth.

(40,000m)	1. Thomas Hicks	USA	3 h 28:53
	2. Albert Corey	USA	3 h 34:52
	3. Arthur Newton	USA	3 h 47:33
	4. Felix Caravajal	Cuba	
	5. Demeter Velouis	Greece	
	6. D. J. Kneeland	USA	

7. H. A. Brawley (USA); 8. H. Hatch (USA); 9. Lentaw (Kaffir tribe, Zululand, South Africa); 10. C. D. Zehuritis (Greece). 14 men finished.

1908 (24 July) - 56 competitors. Distance 42,195 meters. The race was from Windsor Castle to London's White City Stadium. The start was at 2:30 p.m. on a sweltering hot day. Price and Lord (both GB) were leading after 10 miles (16 km), with Hefferon and Pietri (Italy) some 50 meters behind. Then Hefferon moved up front and by 15 miles (24 km) he had a two minute lead on Lord, who was just ahead of Pietri. At 20 miles (32 km) Hefferon had increased his lead to nearly 4 minutes, and Pietri had moved to second. Then the Italian began to close the gap and just before the 25 mile mark (41 km) he passed the South African. This effort apparently took much out of the tiring Pietri. Hayes, who had run a wise race, and by then closing fast on the leader, Pietri entered the stadium first, but being almost unconscious he turned to the right instead of the left, then collapsed on the track. Doctors and officials rushed to his assistance. He fell several more times and was finally assisted across the finish line. Of course he was disqualified and victory went to Hayes.

(42,195m)	1. John Hayes	USA	2 h 55:18 2/5 (O.R.)
	2. Charles Hefferon	South Africa	2 h 56:06
	3. Joseph Forshaw	USA	2 h 57:10 2/5
	4. A. R. Weldon	USA	2 h 59:44 2/5
	5. William Wood	Canada	3 h 01:44
	6. Frederick Simpson	Canada	3 h 04:28 1/5

7. H. Lawson (Canada) 3 h 06:47 1/5; 8. J. Swenberg (Sweden) 3 h 07:50 4/5; 9. L. Twanima (USA) 3 h 09:15; 10. K. Nieminen (Finland) 3 h 09:50 4/5. (Pietri - 2 h 54:46 2/5).

1912 (14 July) - 68 competitors. Distance 40,200 meters. The race was run on a country road with start and finish in the stadium. The turning point was on the high road north of Stockholm close to the Sollentuna church. The road was swept, watered and put in fairly good order. All wheeled traffic was forbidden along the route for one hour before the race and one hour after the race. The weather was oppressively warm. At the first control station (Stocksund) Tatu Kolehmainen of Finland, Ahlgren of Sweden, and Speroni passed together in 29:20. At the second control station (Tureberg) Kolehmainen still led in 54:19 followed by the two South Africans, Gitscham and McArthur, in 54:32. Gitscham passed the turning point first (1 h 12:40), followed by Kolehmainen (1 h 12:55), McArthur (1 h 13:15), Lord (GB) (1 h 14:30) and Speroni (Italy) (1 h 14:55). On the return journey the order of the five leaders remained pretty nearly unaltered, but there were many changes in the remaining positions. At Tureberg Gitscham led in 1 h 34:40, followed by Kolehmainen (1 h 34:40), McArthur (1 h 34:41), Speroni (1 h 34:56), Jacobsson (Sweden) (1 h 38:10) and Lord (1 h 38:24). Before Stockholm was reached, Kolehmainen (elder brother of Hannes, the 5000/10,000 meter champion), completely exhausted, retired from the contest. Strobino (USA) came up and was third past Stocksund, with Jacobsson fourth. In the final stages McArthur drew away from his countryman to win by nearly a minute.

(40,200m)	1. Kenneth McArthur	South Africa	2 h 36:54.8
	2. Christopher Gitscham	South Africa	2 h 37:52.0
	3. Gaston Strobino	USA	2 h 38:42.4
	4. Andrew Sockalexis	USA	2 h 42:07.9
	5. James Duffy	Canada	2 h 42:18.8
	6. Sigge Jacobsson	Sweden	2 h 43:24.9

7. J. J. Callagher (USA) 2h 44:19.4; 8. J. Brulehan (USA) 2 h 45:47.2; 9. R. F. Piggott (USA) 2 h 46:40.7; 10. J. Forshaw (USA) 2 h 49:49.4.

1920 (22 August) - 42 competitors. Distance 42,750 meters. Two-way course with turning point. The start was at 4:12 p.m., weather almost perfect for marathon running. At 8 kilometers Broos led Gitscham (South Africa), E. Blasi (Italy) and Hannes Kolehmainen in that order. Then the Finn really began to move. At the turning point he and Gitscham were leading in 1 h 13:10 followed by Broos and Blasi (1 h 13:53). Lossman moved up to third soon afterwards, passing the tiring Blasi and Broos. Gitscham too was visibly tired in the closing stages and a crisis forced him to give up with about 3 kilometers to go. Kolehmainen had to give all he had to stave off Lossman's final assault. In a very close finish the Finn managed to be crowned marathon victor, eight years after his track saga at Stockholm. His countryman wrapped him in a huge Finnish flag. Lossman finished less than 70 meters back. Arrr, after lying from 7th to 9th for three-fourths of the way, finished strongly to take third place.

(42,750m)	1. Hannes Kolehmainen	Finland	2 h 32:35 4/5 (O.R.)
	2. Juri Lossman	Estonia	2 h 32:48 3/5
	3. Valerio Arri	Italy	2 h 36:32 4/5
	4. A. Broos	Belgium	2 h 39:35 4/5
	5. J. Tuomikoski	Finland	2 h 40:10 4/5
	6. Sofus Rose	Denmark	2 h 41:18

7. J. L. Organ (USA) 2 h 41:30; 8. R. Hansen (Denmark) 2 h 41:39 2/5; 9. U. Tallgren (Finland) 2 h 42:40; 10. Tatu Kolehmainen (Finland) 2h 44:03 1/5. 35 Men finished, 24 in less than 3 hours.

1924 (13 July) - 58 competitors. The day was relatively cool with a slight breeze. At 5 kilometers Kranis (Greece) was well ahead of Outbert (Canada), Alavine (France), Broos (Belgium) and Jansen (Denmark). At 14 kilometers Verger (France) was the leader, followed by DeMar, Kranis, Mellor (USA), Manhes and Blasi (Italy). Then Stenroos began to move up and while Verger dropped back, the Finn shot into the lead at the halfway point turn, followed by DeMar, Bertini, Mellor and Manhes (France), in that order. With 8 kilometers to go Stenroos had a 3 minute lead, while Bertini, DeMar, Halonen (Finland) and Lossman (Estonia) were following closely bunched. Stenroos eventually increased his lead to nearly 6 minutes. Bertini and DeMar drew away from the others and finished second and third, respectively.

	1. Albin Stenroos	Finland	2 h 41:22 3/5
	2. Romeo Bertini	Italy	2 h 47:19 3/5
	3. Clarence DeMar	USA	2 h 48:14
	4. Lauri Halonen	Finland	2 h 49:47 2/5
	5. Sam Ferris	Great Britain	2 h 52:26
	6. Miguel Plaza	Chile	2 h 52:54

7. El Ouafi (France) 2 h 54:19 3/5; 8. G. Kinn (Sweden) 2 h 54:33 2/5; 9. D. Carreras Salvador (Spain) 2 h 57:18 2/5; 10. J. Lossman (Estonia) 2 h 57:54 3/5.

1928 (5 August) - 63 competitors. Start was at 3:10 p.m. At 5 kilometers Wanderer (Germany) led an 11 man pack, which after 10 more kilometers (51:55) was reduced to 10 men. At 20 kilometers the leaders were Ray, Martellin and Laakkonen (both Finland), Yamada and Tsuda (both Japan), with Harper (GB) and Bricker (Canada) 80 meters back. At the turning point (Amstelveen) El Ouafi was in 15th place. At 26 kilometers the two Japanese runners pulled away from their opponents. But Ray came back and after 31 kilometers he was second, behind Yamada. At 35 kilometers Yamada still lay first, followed by Ray (40 meters back), Martellin (100 meters further back), Tsuda (150 meters further back) and El Ouafi. This last came up strongly near the end. He was second at 39 kilometers and a little later he forged ahead, wresting the lead from

Yamada. During all this time, Plaza had been running in the wake of the Frenchman from Algeria. So Plaza moved up to second, and at the end of the race the two were clearly ahead of the others. Martelin took third after a steady race, ahead of the fading Yamada and Ray.

1. Mohamed El Oufai	France	2 h 32:57
2. Miguel Plaza	Chile	2 h 33:23
3. Martti Martelin	Finland	2 h 35:02
4. Kanematsu Yamada	Japan	2 h 35:29
5. Joie Ray	USA	2 h 36:04
6. Seichiro Tsuda	Japan	2 h 36:20

7. Y. Korhola-Koski (Finland) 2 h 36:40; 8. S. Ferris (GB) 2 h 37:41; 9. A. Michelsen (USA) 2 h 38:56; 10. C. Bricker (Canada) 2 h 39:24.

1932 (7 August) - 29 competitors. Zabala was the leader for the greater part of the race. He reached the turning point in 1 h 20, followed by Virtanen (Finland) (1 h 21), Toivonen (1 h 21:30), Tsuda and Kin (1 h 22), Michelsen and Oldag (1 h 24). Virtanen, fastest man in the field but with no experience over the full marathon course, took the lead on the return journey and was timed in 1 h 50 at 31 kilometers. Zabala followed 300 meters back, with Toivonen third 150 meters further back, then Wright, Tsuda and Ferris. Virtanen began to fade and dropped out with 7 kilometers to go. At that stage Wright made a big effort and at 35 kilometers he led the field in 2 h 06 with Zabala second (2 h 07) and Toivonen third (2 h 07:30). Ferris, the great English marathoner who was at his third Olympiad, then began to move up after playing the waiting game. He was fourth with 7 kilometers to go. While Wright gradually lost ground, Zabala went into the lead again at 37 kilometers and held it to the end, even though Ferris kept closing in on him in the final stages. Toivonen also passed Wright to take third. Zabala's winning margin was one of the narrowest in Olympic marathon history.

1. Juan Carlos Zabala	Argentina	2 h 31:36 (O.R.)
2. Sam Ferris	Great Britain	2 h 31:55
3. Armas Toivonen	Finland	2 h 32:12
4. Duncan McLeod Wright	Great Britain	2 h 32:41
5. Seichiro Tsuda	Japan	2 h 33:42
6. Ombal Kin	Japan	2 h 37:28

7. A. Michelsen (USA) 2 h 39:38; 8. O. Heks (Czechoslovakia) 2 h 41:35; 9. T. Gon (Japan) 2 h 42:52; 10. A. Hartington-Andersen (Denmark) 2 h 44:38; 11. H. Oldag (USA) 2 h 47:26; 12. C. Bricker (Canada) 2 h 47:58. 20 men finished, 18 in less than 3 hours.

1936 (9 August) - 56 competitors. At 3 p.m. the field left the Olympic Stadium, with defending champion Zabala in the lead. The Argentinean, who two months earlier had lowered his best for 10,000 meters to 30:56.2, soon built up a substantial lead; 30 seconds at 4 kilometers, 45 seconds at 8 kilometers, 1:20 at 15 kilometers (49:55). At this stage he was followed by Bias (Portugal) 1:25, Harper, Son and Brown (USA) 51:55. The Argentinean began to fade near the halfway point. At 21 kilometers he was timed in 1 h 11:29. Son and Harper (1 h 12:19) were by then closing in on the leader, while Bias (1 h 12:29) was fourth, just ahead of Hoochson (1 h 12:34). At 28 kilometers, Son and Harper overtook the tired Zabala who collapsed, then got up again and continued until the 32nd kilometer, at which stage he had a major crisis and dropped out. Son drew away from Harper, and with 10 kilometers to go, the Japanese runner had a 30 second lead on the Englishman. The two Finns, Muinonen and Tamila, were gaining ground after playing the waiting game until then, and another Japanese, Man, was also closing in. At 35 kilometers Son appeared to have the race won. In fact he entered the Stadium in good condition and finished with a sprint in the home stretch. His time was the fastest recorded until then for the full marathon distance. His countryman Man moved to third in the closing stages.

1. Kitei Son	Japan	2 h 29:19.2 (O.R.)
2. Ernest Harper	Great Britain	2 h 31:23.2
3. Shoryu Man	Japan	2 h 31:42.0
4. Erkki Tamila	Finland	2 h 32:45.0
5. Vaino Muinonen	Finland	2 h 33:46.0
6. Johannes Coleman	South Africa	2 h 36:17.0

7. D. McE. Robertson (GB) 2 h 37:06.2; 8. H. A. Gibson (South Africa) 2 h 38:04.0; 9. M. Tarkkainen (Finland) 2 h 39:33.0; 10. T. Hoochson (Sweden) 2 h 43:12.0; 11. S. Kyriakidis (Greece) 2 h 43:20.8; 12. Khaled (France) 2 h 45:34.0. 42 men finished, 29 in less than 3 hours.

1948 (7 August) - 41 competitors. The race was over hard, hilly roads. Guinez of Argentina was the early leader, but at 6 miles Gailly was in front on his own (34:34), followed by Wen Ngau Lou of China (34:45), Josset (France) and Guinez (34:58), Hietanen, Kurikkala (both Finland) and Ostling (Sweden) (35:08). At this stage Cabrera was about 70 seconds behind the leader, and Richards lagged even further back. Shortly afterwards, Hietanen, one of the favorites, had to give up because of an injured foot. At 20 kilometers Gailly was still leading (1 h 09:29), with Lou (1 h 09:53), Guinez, Josset (1 h 10:35), Ostling (1 h 10:40) following in that order. Cabrera had moved up to sixth (1 h 10:51), while Richards was further back, in the company of Viljo Heino, the holder of the world's record for 10,000 meters. These two and Coleman were timed in 1 h 11:47. Except for the retirement of Lou, there weren't many changes at 30 kilometers: Gailly (1 h 47:01), Guinez (1 h 47:33), Choi (1 h 47:53), Cabrera (1 h 47:54), Ostling (1 h 48:25). Yun Chil Choi of Korea was by then producing his big effort. At 35 kilometers he shot into the lead (2h 06:02), followed by Cabrera (2 h 06:30), Gailly (2 h 06:33) Guinez (2 h 06:37) and Richards (2 h 06:54). These five were well clear of the others. With less than 2 kilometers to go, Cabrera was in the lead with Gailly five seconds back and Richards third. As the leaders approached Wembley Stadium, Gailly wrested the lead from Cabrera. But that spurt cost him too much; though first in the Stadium, the Belgian had nothing left. Cabrera, then Richards, both full of running, overtook him in the final lap. This was the greatest mass finish in marathon history, with three men closely bunched down to the end.

1. Delfo Cabrera	Argentina	2 h 34:51.6
2. Thomas Richards	Great Britain	2 h 35:07.6
3. Etienne Gailly	Belgium	2 h 35:33.6
4. Johannes Coleman	South Africa	2 h 36:06.0
5. Eusebio Guinez	Argentina	2 h 36:36.0
6. Sidney Luyt	South Africa	2 h 38:11.0

7. G. Ostling (Sweden) 2 h 38:40.6; 8. J. Systad (Norway) 2 h 39:41.0; 9. A. P. Sensini (Argentina) 2 h 39:30.0; 10. K. Larsen (Denmark) 2 h 41:22.0; 11. V. Heino (Finland) 2 h 41:32.0; 12. A. Melin (Sweden) 2 h 42:20.0. 30 men finished, 27 in less than 3 hours.

1952 (27 July) - 68 competitors. Emil Zatopek, running his first ever marathon (in competition, that is) only 3 days after his second triumph on the track (5000m), proved head and shoulders above the opposition. In the early stages he kept close to the leaders at what was for him a funeral pace, then ran away from his most serious opponents in the second half of the race, and finished remarkably fresh, two and a half minutes ahead of Argentina's Reinaldo Gorno, who ran a wise race throughout. At 10 kilometers Britain's Jim Peters (credited with the fastest time in marathon history) was first in 31:55, followed by Jansson (32:11), Zatopek (32:12), Cox of Britain (32:41), Gorno (32:57) and defending champion Cabrera (33:13). At 20 kilometers Zatopek and Jansson were in the lead (1 h 04:27), closely followed by Peters (1 h 04:37). Then came Gorno (1 h 05:50), Cabrera (1 h 06:34) and Cox (1 h 06:37). This last had a crisis soon after and was forced to drop out. Peters too was losing ground slowly but steadily. At 30 kilometers Zatopek (1 h 38:42) had left Jansson (1 h 39:08) to his destiny. Peters still lay third (1 h 39:53) ahead of Gorno (1 h 40:23) and Cabrera (1 h 41:03). At 35 kilometers Peters had disappeared from the picture, reportedly because of pains in his left side. At 40 kilometers it was Zatopek all alone (2 h 15:10), with Gorno (2 h 17:25), now ahead of Jansson

(2 h 17:36), then Cabrera (2 h 18:36) and a duo of strong finishers, Choi (2 h 18:41) and Karvonen (2 h 19:06). The 1948 champion, Cabrera, was passed by Choi and Karvonen in the closing stages, and though running about 8 minutes faster than he had done in London (on a more difficult course, it is true) he had to be content with sixth. Zatopek thus won his third gold medal in a week. His "triple" (5000, 10,000 meters, marathon) is commonly rated as the greatest feat in Olympic history. Seven men beat the Olympic record.

1. Emil Zatopek	Czechoslovakia	2 h 23:03.2 (O.R.)
2. Reinaldo Gorno	Argentina	2 h 25:35.0
3. Gustaf Jansson	Sweden	2 h 26:07.0
4. Yun Chil Choi	Korea	2 h 26:36.0
5. Veikko Karvonen	Finland	2 h 26:41.8
6. Delfo Cabrera	Argentina	2 h 26:42.4

7. J. Dobronyi (Hungary) 2 h 28:04.6; 8. E. Puolakka (Finland) 2 h 29:35.0; 9. G. Idem (GB) 2 h 30:42.0; 10. W. Hayward (South Africa) 2 h 31:50.2; 11. T. Luyt (South Africa) 2 h 32:41.0; 12. G. Ostling (Sweden) 2 h 32:48.4; 13. V. Dyrzgal (USA) 2 h 32:52.4; 14. L. Celedon (Chile) 2 h 33:45.8; 15. A. Van de Zande (Holland) 2 h 33:50.0. 53 men finished, all in less than 3 hours.

1956 (1 December) - 46 competitors. The race was run on a hot day, the thermometer showing over 25 C. Alain Mimoun, a converted track specialist who had placed second to Zatopek in five major championship races 1948-52, turned his first marathon into a successful one, thus continuing the postwar tradition of Cabrera and Zatopek. His most serious rival, Zatopek, was not at his best, being short on condition due to a recent illness and probably exhausted by a fabulous 15-year career rich in unprecedented efforts. Another track veteran, Mihalic of Yugoslavia, took second place from Veikko Karvonen of Finland, one of the "purest" marathoners in the field. A detailed story of the race in figures:

10 kilometers--	Kotila, Finl.	Ivanov (USSR)	Mimoun (USSR)	33:30; F. Norris, Karvonen, Kanuti (Kenya) 33:34; Oksanen, Perry (Australia), Mihalic 33:35; Zatopek, Lee 33:37;
20 kilometers--	Clark (GB), Mimoun, Ivanov, Finl.	Karvonen, Mihalic 1 h 08:03; Nyberg (Sweden) 1 h 08:16; Kotila 1 h 08:17; (Zatopek 10th in 1 h 08:26);		
30 kilometers--	Mimoun 1 h 41:47; Karvonen, Mihalic, Kawashima 1 h 42:59; Zatopek 1 h 43:50; Finl. 1 h 44:08; Nyberg 1 h 44:24; Lee 1 h 45:12;			
40 kilometers--	Mimoun 2 h 17:30; Mihalic 2 h 18:44; Karvonen 2 h 19:37; Kawashima 2 h 20:35; Lee 2 h 20:56; Zatopek 2 h 21:15; Finl. 2 h 22:35.			

1. Alain Mimoun	France	2 h 25:00
2. Franjo Mihalic	Yugoslavia	2 h 26:32
3. Veikko Karvonen	Finland	2 h 27:47
4. Chang Hoon Lee	Korea	2 h 28:45
5. Yoshiaki Kawashima	Japan	2 h 29:19
6. Emil Zatopek	Czechoslovakia	2 h 29:34

7. I. Finl. (USSR) 2 h 30:37; 8. E. Nyberg (Sweden) 2 h 31:12; 9. T. Nilsson (Sweden) 2 h 33:33; 10. E. Oksanen (Finland) 2 h 36:10; 11. A. Waide (Sweden) 2 h 36:21; 12. Choon Sik Choi (Korea) 2 h 36:53; 13. P. Kotila (Finland) 2 h 38:59; 14. M. Davies (South Africa) 2 h 39:48; 15. H. Hicks (Great Britain) 2 h 39:55. 33 men finished, 32 in less than 3 hours.

1960 (10 September) - 69 competitors. For the first third of the race a group of FOUR: Keily (Great Britain), Van Den Briessche (Belgium), Rhadi and Bekila, set the pace. They passed the 5 km point in 15:35, 10 km in 31:07, and reached 15 km in 48:02. Considering that the first ten miles of the race was uphill this was a fairly steady pace. The experienced marathoners knew this and that turned out to be their mistake. Rhadi and Bekila soon began to draw away. They passed 20 km in 1 h 02:39 and at the half-way point had a 35 second lead on Van Den Briessche and 48 seconds on the rapidly fading Keily. Another 32 seconds back was one of the favorites, Popov. Most observers expected Bekila and Rhadi to fade, but such was not the case. They passed 40 km in 2 h 08:33. In the next kilometer Bekila, running barefoot, built up a lead of 50 meters and extended it to nearly 200 meters by the time he crossed the finish line. Rhadi was an easy second, while Magee, who was nearly a full minute back in the first 5 km, outlasted the rest to get the bronze medal. The winning time was easily an Olympic record. In fact the first fifteen finishers were inside Zatopek's 1952 time. Moreover 62 men finished and only the last failed to beat 3 hours.

1. Abebe Bekila	Ethiopia	2 h 15:16.2
2. Rhadi Ben Abdesslem	Morocco	2 h 15:41.6
3. Barry Magee	New Zealand	2 h 17:18.2
4. Konstantin Vorobiev	USSR	2 h 19:09.0
5. Sergey Popov	USSR	2 h 19:18.6
6. Thyge Torgerson	Denmark	2 h 21:03.4

7. Abebe Wakgira (Ethiopia) 2 h 21:09.4; 8. Benaisa Bakir (Morocco) 2 h 21:21.4; 9. Osvaldo Suarez (Argentina) 2 h 21:26.0; 10. Franjo Skrinjar (Yugoslavia) 2 h 21:40.2; 11. Nikolay Rumaneev (USSR) 2 h 21:49.4; 12. Franjo Mihalic (Yugoslavia) 2 h 21:52.6; 13. Keith James (South Africa) 2 h 22:58; 14. Pavel Kantorek (Czechoslovakia) 2 h 22:59.8; 15. Gumersindo Gomez (Argentina) 2 h 23:00.

DECATHLON

1896, 1900, 1904, 1908 : Event not held.

1912 (13/14/15 July) - 29 competitors. 3 events were contested on the 1st day, 4 on the 2nd day, and 3 on the 3rd day. Jim Thorpe, the American Indian, won by an overwhelming margin. However, he was subsequently declared a professional and his name deleted from official results. No other Olympian ever got such a rough deal. Wieslander, the "post-mortem" winner, Lomberg, and Holmér (who was to become Sweden's most famous coach) thus scored a grand slam for Sweden. Two would-be international sport legends, Karl von Halt of Germany and Avery Brundage of USA, also took part in the event: the former was eighth, the latter did not finish. Points were calculated with reference to the existing Olympic records. For the sake of comparison we also give the recalculated points under the present (1952) system.

	1912 Table (A)	1952 Table (B)
Jim Thorpe	USA 5412.925 p (2207 p)	
1. Hugo Wieslander	(11.2 - 6.79 - 12.89 - 1.87 - 52.2 - 15.6 - 36.98 - 3.25 - 45.70 - 4:40.1)	(5377 p)
2. Charles Lomberg	(11.8 - 6.42 - 12.11 - 1.75 - 53.6 - 17.2 - 36.29 - 3.10 - 50.40 - 4:45.0)	(5089 p)
3. Gösta Holmér	(11.8 - 6.87 - 11.67 - 1.80 - 55.0 - 17.6 - 35.35 - 3.25 - 41.83 - 5:12.2)	(5161 p)
4. James Donahue	(11.4 - 5.98 - 10.98 - 1.70 - 53.2 - 17.0 - 31.78 - 3.20 - 46.28 - 4:41.9)	(5113 p)
5. Eugene Mercer	(11.8 - 6.48 - 9.67 - 1.65 - 51.6 - 16.2 - 29.95 - 3.40 - 37.09 - 4:44.0)	(5385 p)
6. Woldemar Wickholm	(11.0 - 6.84 - 9.76 - 1.65 - 49.9 - 16.4 - 21.95 - 3.60 - 32.32 - 4:46.3)	(4979 p)
7. E. Rugelberg	(11.5 - 5.95 - 11.09 - 1.60 - 52.3 - 17.0 - 29.78 - 3.25 - 44.58 - 4:43.9)	(6682.425 (4499 p))

1920 (20/21 August) - 23 competitors. Löfvand of Norway won in the very last event, shooting to second the man who was to become one of America's most famous coaches. Points were awarded with reference to the Olympic records of 1912.

	1912 Table (B)	1952 Table (B)
1. Helge Löfvand	Norway 8804.35 p (5190 p)	
2. Brutus Hamilton	USA 6770.86 p (5073 p)	
3. Bertil Ohlson	Sweden 6579.80 p (4974 p)	
4. Gösta Holmér	Sweden 6533.15 p (4912 p)	

5. Evert Nilsson	Sweden	6434.53 p	(4671 p)
(12.2 - 5.67 - 11.39 - 1.75 - 55.7 - 20.0 - 34.77 - 3.40 - 49.28 - 4:45.6)			
6. Woldemar Wickholm	Finland	6406.46 p	(5002 p)
(11.6 - 6.12 - 11.44 - 1.60 - 52.4 - 16.8 - 32.30 - 3.00 - 42.76 - 4:45.6)			
7. Gene Vidal (USA) (4800 p); 8. E. Gyllenstein (Sweden) 6332.43 p (4768 p).			

1924 (11/12 July) - 36 competitors. Harold Osborn won with a world record total. He is the only decathlon champion in Olympic history to have won an individual title as well (the high jump, for which he also held the world record, on 7 July). However, his all-around performance was probably inferior to that of Jim Thorpe at Stockholm in 1912.

		1912 Table (B)	1952 Table
1. Harold Osborn	USA	7710.775 p (W. & O.R.)	(6153 p)
(11.2 - 6.92 - 11.435 - 1.97 - 53.2 - 16.0 - 34.51 - 3.50 - 46.69 - 4:50.0)			
2. Emerson Norton	USA	7350.895 p	(5738 p)
(11.6 - 6.92 - 13.04 - 1.92 - 53.0 - 16.6 - 33.11 - 3.80 - 42.09 - 5:38.0)			
3. Aleksander Kolmper	Estonia	7289.36 p	(5531 p)
(11.6 - 6.96 - 12.27 - 1.75 - 54.4 - 17.6 - 36.795 - 3.30 - 37.70 - 5:16.0)			
4. Anton Husari	Finland	7095.175 p	(5585 p)
(12.0 - 6.16 - 12.025 - 1.70 - 53.4 - 16.6 - 33.15 - 3.20 - 53.65 - 4:37.2)			
5. R. G. Sutherland	South Africa	6799.1425 p	(5150 p)
(11.6 - 6.67 - 10.965 - 1.80 - 56.0 - 16.6 - 30.93 - 3.30 - 51.015 - 5:19.0)			
6. Ernst Gersper	Switzerland	6743.53 p	(5167 p)
(11.4 - 6.46 - 10.355 - 1.70 - 53.4 - 16.8 - 33.91 - 3.40 - 44.82 - 5:08.2)			
7. Helge Jansson (Sweden) 6656.16 (4996); 8. H. Frieda (USA) 6618.30 (4871); 9. Paavo Yrjölä (Finland) 6548.525 (4856); 10. H. J. M. de Keyser (Holland) 6509.61 (4800).			

1925 (3/4 August) - 38 competitors. The Finnish duo Yrjölä-Järvinen won from Ken Fogarty, the USA champion (later to become famous as a coach and student of track), and Yrjölä set a new world record. It is curious to note that under the present (1952) scoring system, Matti Järvinen's elder brother would have placed first.

		1912 Table (B)	1952 Table
1. Paavo Yrjölä	Finland	8053.29 p (W. & O.R.)	(6286 p)
(11.8 - 6.72 - 14.11 - 1.87 - 53.2 - 16.6 - 42.09 - 3.30 - 55.70 - 4:44.0)			
2. Akiilles Järvinen	Finland	7931.50 p	(6379 p)
(11.2 - 6.87 - 13.64 - 1.75 - 51.4 - 15.6 - 36.95 - 3.30 - 55.58 - 4:52.4)			
3. Kenneth Doherty	USA	7706.65 p	(6039 p)
(11.6 - 6.61 - 11.85 - 1.80 - 52.0 - 15.8 - 38.72 - 3.30 - 56.56 - 4:54.0)			
4. James Stewart	USA	7624.135 p	(5925 p)
(11.2 - 6.61 - 13.04 - 1.87 - 52.8 - 16.6 - 40.90 - 3.30 - 48.07 - 5:17.0)			
5. Thomas Churchill	USA	7417.115 p	(5685 p)
(11.6 - 6.32 - 12.28 - 1.70 - 52.2 - 16.8 - 38.19 - 3.60 - 50.93 - 4:55.0)			
6. Helge Jansson	Sweden	7286.285 p	(5683 p)
(11.4 - 6.85 - 13.59 - 1.87 - 53.2 - 16.6 - 36.83 - 3.30 - 41.73 - 5:27.0)			
7. L. Vesely (Austria) 7274.850 (5768); 8. Albert Andersson (Sweden) 7109.635 (5515); 9. H. Lindblad (Sweden) 7071.425 (5348); 10. W. Ladewig (Germany) 6881.52 (5396).			

1932 (5/6 August) - 14 competitors. Bausch was only fifth at the end of the first day, but he used his favorite field events on the second day to grab the lead. And he won with a new world record. Aki Järvinen was second, same as four years before in Amsterdam. And exactly as before, under the present tables he would have been first!

		1912 Table (B)	1952 Table
1. James Bausch	USA	8862.23 p (W. & O.R.)	(6586 p)
(11.7 - 6.95 - 15.32 - 1.70 - 54.2 - 16.2 - 44.56 - 4.00 - 61.91 - 5:17.0)			
2. Akiilles Järvinen	Finland	8292.48 p	(6707 p)
(11.1 - 7.00 - 13.11 - 1.75 - 50.6 - 15.7 - 36.80 - 3.60 - 61.00 - 4:47.0)			
3. Wolrad Eberle	Germany	8030.80 p	(6361 p)
(11.4 - 6.77 - 13.22 - 1.65 - 50.8 - 16.7 - 41.34 - 3.50 - 57.49 - 4:34.4)			
4. Wilson Charles	USA	7985.00 p	(6449 p)
(11.2 - 7.24 - 12.56 - 1.85 - 51.2 - 16.2 - 38.71 - 3.40 - 47.72 - 4:39.8)			
5. Hans-Heinrich Stevert	Germany	7941.07 p	(6213 p)
(11.4 - 6.97 - 14.50 - 1.78 - 53.6 - 16.1 - 44.54 - 3.20 - 53.91 - 5:18.0)			
6. Paavo Yrjölä	Finland	7688.09 p	(5994 p)
(11.8 - 6.59 - 13.83 - 1.75 - 52.6 - 17.0 - 40.77 - 3.10 - 56.12 - 4:37.4)			
7. Clyde Coffman (USA) 7534.41 (5859); 8. Robert Tisdall (Ireland) 7327.17 (6085); 9. E. Wegner (Germany) 7179.93 (5762); 10. P. Bacsalmasi (Hungary) 7001.73 (5205); 11. H. Hart (South Africa) 6799.25 (5178); J. Dimza (Latvia), Z. Siedlecki (Poland), and H. Berra (Argentina) did not finish.			

1936 (7/8 August) - 21 competitors. Once again the winner came home with a new world record. Late in June in the USA, Morris had upped the world mark to 7880 (1934 scoring system). In Berlin he added 20 points to that total and was the winner in four of the ten events. His countrymen Clark and Parker made it a clean sweep for the USA. All the leading contestants in this great competition achieved new personal bests.

		1934 Table	1952 Table
1. Glenn Morris	USA	7900 p (W. & O.R.)	(7310 p)
(11.1 - 6.97 - 14.10 - 1.85 - 49.4 - 14.9 - 43.02 - 3.50 - 54.52 - 4:33.2)			
2. Robert Clark	USA	7601 p	(7002 p)
(10.9 - 7.62 - 12.68 - 1.80 - 50.0 - 15.7 - 39.39 - 3.70 - 51.12 - 4:44.4)			
3. Jack Parker	USA	7275 p	(6588 p)
(11.4 - 7.35 - 13.52 - 1.80 - 53.3 - 15.0 - 39.11 - 3.50 - 56.46 - 5:07.8)			
4. Erwin Huber	Germany	7087 p	(6369 p)
(11.5 - 6.89 - 12.70 - 1.70 - 52.3 - 15.8 - 35.46 - 3.80 - 56.45 - 4:35.2)			
5. Reindert Brasser	Holland	7046 p	(6264 p)
(11.6 - 6.69 - 13.49 - 1.90 - 51.5 - 16.2 - 39.45 - 3.40 - 55.75 - 5:06.0)			
6. Armin Guhl	Switzerland	7033 p	(6313 p)
(11.3 - 7.04 - 12.30 - 1.80 - 52.3 - 15.6 - 40.97 - 3.30 - 51.02 - 4:49.2)			
7. O. Bexell (Sweden) 7024 (6227); 8. H. Bonnet (Germany) 6939 (6133); 9. J. Plawczyk (Poland) 6871 (6068); 10. E. Natvig (Norway) 6759 (5897); 11. A. Reinikka (Finland) 6755 (5944); 12. P. Bacsalmasi (Hungary) 6395 (5492); 13. F. Dallenbach (Switzerland) 6311 (5504); 14. L. Doychev (Bulgaria) 6307 (5454); 15. Wenzel (Chile) 6058 (5172).			

1948 (5/6 August) - 35 competitors. A long-drawn event, under incredibly difficult conditions. Mathias, not yet 18, won with a total which was remarkable under the circumstances.

		1934 Table	1952 Table
1. Robert Mathias	USA	7139 p	(6306 p)
(11.2 - 6.615 - 13.04 - 1.86 - 51.7 - 15.7 - 44.00 - 3.50 - 50.32 - 5:11.0)			
2. Ignace Heinrich	France	6974 p	(6224 p)
(11.3 - 6.895 - 12.85 - 1.86 - 51.6 - 15.6 - 40.94 - 3.20 - 40.98 - 4:43.8)			
3. Floyd Simmons	USA	6950 p	(6265 p)
(11.2 - 6.725 - 12.80 - 1.86 - 51.9 - 15.2 - 32.73 - 3.40 - 51.99 - 4:58.0)			
4. Enrique Kistenmacher	Argentina	6929 p	(6236 p)
(10.9 - 7.08 - 12.67 - 1.70 - 50.5 - 16.3 - 41.11 - 3.20 - 45.06 - 4:49.6)			
5. Erik Peter Andersson	Sweden	6877 p	(6133 p)
(11.6 - 6.995 - 12.66 - 1.75 - 52.0 - 15.9 - 36.07 - 3.60 - 51.04 - 4:34.0)			
6. Peter Mullins	Australia	6730 p	(6016 p)
(11.2 - 6.645 - 12.75 - 1.83 - 53.2 - 15.2 - 33.94 - 3.40 - 51.32 - 5:17.6)			
7. P. Eriksson (Sweden) 6731 (5967); 8. I. Mondaschein (USA) 6715 (5949); 9. E. Adamczyk (Poland) 6712 (5940); 10. G. Holmvang (Norway) 6663 (5876); 11. P. Stavem (Norway) 6552 (5666); 12. Om. Clausen (Iceland) 6444 (5661).			
1952 (25/26 July) - 28 competitors. Mathias duplicated his victory of 1948, and by a huge margin. The no. 1 European, Ignace Heinrich, had to retire after six events because of an injury. The present scoring system was used for the first time.			

		1952 Table
1. Robert Mathias	USA	7887 p (WR)
(10.9 - 6.98 - 15.30 - 1.90 - 50.2 - 14.7 - 46.89 - 4.00 - 59.21 - 4:50.8)		
2. Milton Campbell	USA	6975 p

(10.7 - 6.74 - 13.89 - 1.85 - 50.9 - 14.5 - 40.50 - 3.30 - 54.54 - 5:07.2)		
3. Floyd Simmons	USA	6788 p
(11.5 - 7.06 - 13.18 - 1.92 - 51.1 - 15.0 - 37.77 - 3.60 - 54.69 - 4:53.4)		
4. Vladimir Volkov	USSR	6674 p
(11.4 - 7.09 - 12.62 - 1.75 - 51.2 - 15.8 - 38.04 - 3.80 - 56.68 - 4:33.2)		
5. Sepp Hipp	Germany	6449 p
(11.4 - 6.85 - 13.26 - 1.75 - 51.3 - 16.1 - 45.84 - 3.50 - 54.14 - 4:57.2)		
6. Goran Widenfelt	Sweden	6388 p
(11.4 - 6.76 - 11.61 - 1.94 - 51.3 - 16.1 - 39.53 - 3.50 - 49.39 - 4:38.6)		
7. K. Tannander (Sweden) 6308; 8. F. Schirmer (Germany) 6118; 9. G. Elliott (Great Britain) 6044; 10. Sergey Kuznetsov (USSR) 5937; 11. J. Frayer (France) 5772; 12. B. Triarte (Venezuela) 5770; 13. O. Reikko (Finland) 5725; 14. E. Landstrom (Finland) 5694; 15. O. Rebula (Yugoslavia) 5648; 16. M. Fernandes (Portugal) 5604; 17. H. Figueroa (Chile) 5592; 18. M. Wehrli (Switzerland) 5561; 19. R. Adams (Canada) 5530.		

1956 (29/30 November) - 15 competitors. World record holder Rafer Johnson, favoring an injured knee, was not at his best. Campbell, however, amassed the second highest total in history up to that time.

		1952 Table
1. Milton Campbell	USA	7937 p (OR)
(10.8 - 7.33 - 14.76 - 1.89 - 48.8 - 14.0 - 44.98 - 3.40 - 57.08 - 4:50.6)		
2. Rafer Johnson	USA	7587 p
(10.9 - 7.34 - 14.48 - 1.83 - 49.3 - 15.1 - 42.17 - 3.90 - 60.27 - 4:54.2)		
3. Vasily Kuznetsov	USSR	7465 p
(11.2 - 7.04 - 14.49 - 1.75 - 50.2 - 14.9 - 44.33 - 3.95 - 65.13 - 4:53.8)		
4. Uno Palu	USSR	6930 p
(11.5 - 6.65 - 13.39 - 1.89 - 50.8 - 15.4 - 40.38 - 3.60 - 61.59 - 4:35.6)		
5. Martin Lauer	Germany	6853 p
(11.1 - 6.83 - 12.86 - 1.83 - 48.2 - 14.7 - 39.38 - 3.10 - 50.66 - 4:43.8)		
6. Walter Meier	Germany	6713 p
(11.3 - 6.80 - 12.99 - 1.86 - 49.3 - 16.1 - 37.99 - 3.70 - 47.97 - 4:40.6)		
7. T. Lassenius (Finland) 6565; 8. Yang Chuan-kwang (Formosa) 6521; 9. P. Leane (Australia) 6427; 10. J. Cann (Australia) 6278; 11. I. Bruce (Australia); 12. R. Richards (USA) 5781 (9 events); 13. Y. Kutyenko (USSR) 5297 (8 events).		

1960 (5/6 September) - 30 competitors. Johnson, who had set a new world record in the AAU meet prior to the Games, was expected to get tough competition from Yang of Formosa and former record holder Kuznetsov. The latter, due to early season injury, was not in his 1959 form and never figured in the battle for first. The first two staged an epic battle which was not settled until the finish of the last event.

		1952 Table
1. Rafer Johnson	USA	8392 p (OR)
(10.9 - 7.35 - 15.51 - 1.85 - 48.3 - 15.3 - 48.49 - 4.10 - 69.76 - 4:49.7)		
2. Yang Chuan-kwang	Formosa	8334 p
(10.7 - 7.46 - 13.33 - 1.90 - 48.1 - 14.6 - 39.83 - 4.30 - 68.21 - 4:48.5)		
3. Vasily Kuznetsov	USSR	7809 p
(11.1 - 6.96 - 14.46 - 1.75 - 50.2 - 15.0 - 50.57 - 3.90 - 71.20 - 4:53.8)		
4. Yuriy Kutyenko	USSR	7567 p
(11.4 - 6.93 - 13.97 - 1.80 - 51.0 - 15.6 - 45.62 - 4.20 - 71.44 - 4:44.2)		
5. Evert Kamerbeek	Netherlands	7236 p
(11.3 - 7.21 - 13.76 - 1.80 - 51.1 - 14.9 - 44.31 - 3.80 - 49.90 - 4:43.6)		
6. Franco Sar	Italy	7195 p
(11.4 - 6.69 - 13.89 - 1.80 - 51.3 - 14.7 - 49.63 - 3.80 - 55.74 - 4:49.2)		
7. Markus Kahma (Finland) 7112; 8. Klaus Gregorenz (Germany) 7032; 9. Jose Brodnik (Yugoslavia) 6918; 10. Manfred Bock (Germany) 6894; 11. Fritz Vogelgang (Switzerland) 6767; 12. Seppo Santari (Finland) 6751; 13. Luciano Paccagnella (Italy) 6279.		

4x100 METER RELAY

1896, 1900, 1904, 1908: Event not held.
 1912 (9 July) - 8 teams. 1st Round (8 July): 6 heats (winners only qualified). 2nd Round (8 July): 3 semi-finals (winners only qualified). The first round was a ridiculous formality, Austria and France being the only victims. The first semi was won by the USA in 42.2, but they were disqualified for passing out of the zone, and Great Britain, second in 43.0, advanced to the final. The other semis were won by Sweden (42.5) and Germany (42.3). In the final Germany started on the inside; Britain and Sweden were next, in that order. Sweden had 1/2 meters lead at the end of the second leg but lost it completely in a poor pass, Great Britain moving into the lead. The German anchorman, Rau, ran a great final leg, moving from third to second and just failing to catch Applegarth by a decimeter. But Germany's second pass was out of the zone and they were disqualified.

1. Great Britain	42.4
(D. H. Jacobs, H. Macintosh, V. H. d'Arcy, W. R. Applegarth)	
2. Sweden	42.6
(I. Möller, C. Luth, T. Persson, K. Lindberg)	
Germany (O. Röhr, M. Hermann, E. Kern, R. Rau) finished second but was disqualified.	

1920 (22 August) - 13 teams. 1st Round (21 August): 3 heats (first and second qualifying). The final race was essentially between the USA (lane 6) and France (lane 3). But, as expected, the Americans led all the way and won by 4 meters.

1. USA	42 1/5 (WR)
(C. Paddock, J. V. Scholz, L. Murchison, M. Kirksey)	
2. France	42 3/5
(R. Tirard, R. Lorain, R. Mourlon, Ali Khan)	
3. Sweden	
(A. Holmström, W. Pettersson, S. Malm, M. Sandström)	
4. Denmark	
(P. Andersen, P. Andersen, A. Sörensen, M. Sörensen)	
5. Luxembourg	
(J. Colbach, P. Manner, J. Proess, A. Servais)	
6. Great Britain	
(W. A. Hill, H. M. Abrahams, V. H. A. d'Arcy, H. F. V. Edward)	

1924 (13 July) - 15 teams. 1st Round (12 July): 6 heats (first and second qualifying); 2nd round (13 July): 3 heats (first and second qualifying). In the first heat Great Britain bettered the world record with 42 flat. Holland matched that in the third heat, while the USA team pushed the mark down to 41 1/5 in the sixth heat. In the second round, the USA improved to 41 flat. In the final, from the start it was apparent there were only two teams in the race for first, Great Britain and the USA. In fact it was a close race until the end of the third leg. The British bungled the final pass and Leoney won for the USA by 1/2 meters.

1. USA	41 (WR)
(F. Hussey, L. Clarke, L. Murchison, A. Leoney)	
2. Great Britain	41 1/5
(H. M. Abrahams, W. Bangeley, L. C. Royle, W. P. Nichol)	
3. Holland	41 4/5
(J. Boot, H. Broos, J. de Vries, M. van den Berge)	
4. Hungary	42
(F. Gerő, L. Kuruczay, L. Muskát, G. Rózsahegyi)	
5. France	42 1/5
(M. Degrelle, A. Heise, R. Mourlon, A. Mourlon)	
Switzerland (H. Borner, H. Henni, J. Imbach, D. Moriaud) disqualified for passing out of the zone.	

1928 (5 August) - 13 teams. 1st Round (4 August): 3 heats (1st and 2nd qualifying). The American team won their heat in 41 1/5, indicating they would be very tough to

beat, even by the crack German quartet. In the final, there was little or nothing between the two teams until the final leg in which Russell gained on Kornig and gave the Americans a win by 1 1/2 meters.

1. USA 41 (=WR)
(F. Wykoff, J. Quinn, C. Borah, H. Russell)
2. Germany 41 1/5
(G. Lammers, R. Cortis, H. Kouben, H. Kormig)
3. Great Britain 41 4/5
(C. W. Gill, E. R. Smouha, W. Rangeley, J. E. London)
4. France
(A. Carbonney, G. Auvergne, A. Dufau, A. Mourlon)
5. Switzerland 42 3/5
(E. Goldsmith, W. Weibel, W. Teichopp, H. Niggel)

Canada (R. A. Adams, J. Fitzpatrick, G. Hester, P. Williams) dropped their baton and were disqualified.

1932 (7 August) - 8 teams. 1st Round (6 August): 2 heats (first three qualifying). The German team took the first heat in 41.2, but the Americans set a world record of 40.6 in the second heat. In the final Kiesel of the USA produced a 2 meters lead at the end of the first leg. The Americans continued to pull away and won by almost ten meters.

1. USA 40.0 (WR)
(R. Kiesel, E. Toppino, H. Dyer, F. Wykoff)
2. Germany 40.9
(H. Kormig, F. Hendrix, E. Borchmeyer, A. Jonath)
3. Italy 41.2
(G. Castelli, L. Facelli, R. Maregatti, E. Toetti)
4. Canada 41.3
(P. Williams, J. Brown, H. Wright, B. Pearson)
5. Japan 41.3
(T. Yoshio, C. Nambu, I. Anno, I. Nakajima)
6. Great Britain
(D. O. Finlay, S. C. Fuller, S. E. Englehart, E. L. Page)

1936 (9 August) - 15 teams. 1st Round (8 August): 3 heats (first two qualifying). The USA team equaled the world record (40.0) in the first heat. In the final the Americans drew the fourth lane. Owens gained a lead of at least 5 meters on his nearest opponent in the first leg. His teammates increased the lead on each leg. Wykoff (competing in the Olympic relay final for the third consecutive time) went home in 39.8 for a new world record. Italy was a surprise second. Holland was chasing Germany for third when Osendarp lost the baton 25 meters from home. He finished a shade ahead of Hornberger, but the Dutch were naturally disqualified.

1. USA 39.8 (WR)
(J. C. Owens, R. Metcalfe, F. Draper, F. Wykoff)
2. Italy 41.1
(O. Mariani, G. Caldana, E. Ragni, T. Gonnelli)
3. Germany 41.2
(W. Leichum, E. Borchmeyer, E. Gillmeister, G. Hornberger)
4. Argentina 42.2
(J. Lavenas, A. Sande, C. Hoffmeister, C. Beswick)
5. Canada 42.7
(S. Richardson, B. Humber, L. Orr, H. McPhee)

Holland (T. Boersma, W. van Beveren, C. Berger, M. Osendarp) finished third but was disqualified for dropping their baton.

1948 (7 August) - 15 teams. 1st Round (6 August): 3 heats (first two qualifying). The USA had the fastest time in the heats, 41.1. In the final, the Americans led throughout and crossed the finish line well ahead of Britain. The winning team was at first disqualified due to an allegedly faulty change-over between Ewell and Wright. But after a careful study of the official film, the Jury reinstated the USA team as winners of the event, said change-over having taken place within the 20 meter zone. Italy, third, won a medal for the third consecutive time.

1. USA 40.6
(N. Ewell, L. Wright, H. Dillard, M. Patton)
2. Great Britain 41.3
(J. Archer, J. A. Gregory, A. McCorquodale, K. J. Jones)
3. Italy 41.5
(E. Perucconi, A. Siddi, C. Monti, M. Tito)
4. Hungary 41.6
(F. Tisa, L. Bartha, G. Csányi, B. Goldoványi)
5. Canada 41.9
(D. McFarlane, J. V. O'Brien, D. A. Pettie, E. Haggis)
6. Holland 41.9
(J. Lammers, J. M. Meyer, G. Scholten, J. G. Zwaan)

1952 (27 July) - 22 teams. 1st Round (26 July): 4 heats (first three qualifying). 2nd Round (27 July): 2 semi-finals (first three qualifying). The USA ran 40.3 in the first round and 40.4 in the second, winning from France (40.8) and USSR (40.7), respectively. The other semi-final was won by Hungary in 40.9 from France (40.9). In the final the Russians led over the first two legs, mainly because of their good passes. Remigino cut the Russian lead considerably in the third leg, and Stanfield was off almost even with Sukharyev. The Olympic 200 meter champion pulled away and gave the USA another relay victory. Hungary passed Britain in the last leg to take third place.

1. USA 40.1
(D. Smith, H. Dillard, L. Remigino, A. Stanfield)
2. USSR 40.3
(B. Tokaryev, L. Kalyayev, L. Sanadze, V. Sukharyev)
3. Hungary 40.5
(L. Zarándi, G. Varasdi, G. Csányi, B. Goldoványi)
4. Great Britain 40.6
(E. McDonald-Bailey, W. Jack, J. A. Gregory, B. Shenton)
5. France 40.9
(A. Forthault, E. Bally, Y. Camus, R. Bonino)
6. Czechoslovakia 41.2
(F. Brož, J. David, M. Horčík, Z. Fospířil)

1956 (1 December) - 18 teams. 1st Round (30 November): 4 heats (first three qualifying). 2nd Round (1 December): 2 semi-finals (first three qualifying). The heats were won by the USA (40.5), Australia (40.6) from France (40.8) and Germany (40.8), USSR (40.7) from Italy (40.9), and Poland (40.9). The first semi-final was won by the USA in 40.3 from Poland (41.0), Italy (41.1), and France (41.3), while the second semi-final saw USSR first in 40.3 over Germany (40.5), Great Britain (40.6), Australia (40.8), and Pakistan (40.8). In the final the USA (lane 6) was out in front early. King ran magnificently in the second leg, but two worse-than-average changes caused Morrow to start with only a narrow lead against Konovalov. However, the double Olympic champion went home a safe winner in new world record time. The USSR team set a new European record in finishing second. Germany just nipped Italy for third.

1. USA 39.5 (WR)
(I. Murchison, L. King, T. Baker, B. Morrow)
2. USSR 39.8
(B. Tokaryev, V. Sukharyev, L. Bartenyev, Y. Konovalov)
3. Germany 40.3
(L. Knörzer, L. Pohl, H. Fütterer, M. Gemar)
4. Italy 40.3
(F. Galbiati, G. Ghiselli, L. Gnocchi, V. Lombardo)

5. Great Britain 40.6
(K. Box, E. Sandstrom, D. Segal, B. Shenton)
6. Poland 40.6
(M. Polk, J. Jarzembowski, E. Schmidt, Z. Baranowski)

1960 (8 September) - 19 teams. 1st Round (7 September): 4 heats, 3 qualify. 2nd Round (8 September): 2 heats, 3 qualify. In the first round the crack German quartet tied the world record (39.5) and clearly indicated they were out to challenge the supremacy of the USA. The latter, despite indifferent passing, won their heat in 39.7. The other heat winners were Great Britain (40.1) over USSR (40.2) and Italy (40.0) over Nigeria (40.1). The Germans won the first semi-final in 39.7. Second place Nigeria was disqualified for passing out of the zone and the other qualifying spots thus went to Venezuela (40.3) and Great Britain (40.5). The USA took the second semi-final, also in 39.7m, easily winning over Italy (40.2) and USSR (40.2). In the final the first pass by the USA was clearly out of the zone. The second man Norton put them in front only to lose ground with another bad pass. Anchorman Sime started two meters behind Lauer of Germany and finally overhauled him to hit the tape nearly a meter in front. But all was in vain, the USA was disqualified and the Germans were the victors, equalling their world record time of the heats. The USSR, with only fair sprinters but excellent passing, collected their third consecutive silver medal in this event.

1. Germany 39.5 (=WR)
(B. Cullmann, A. Hary, W. Mahlendorf, M. Lauer)
2. USSR 40.1
(G. Kozanov, L. Bartenyev, Y. Konovalov, E. Ozolin)
3. Great Britain 40.2
(P. Radford, D. Jones, D. Segal, N. Whitehead)
4. Italy 40.2
(A. Sardi, G. Cazzola, S. Giannone, L. Berruti)
5. Venezuela 40.7
(S. Bonas, L. Murad, N. Romero, S. Romero)

The USA (F. Budd, R. Norton, S. Johnson, D. Sime) was disqualified for passing out of the zone.

4x400 METER RELAY

1896, 1900, 1904, 1908: Event not held.

1912 (15 July) - 7 teams. 1st Round (14 July): 3 heats (winners only qualifying). Heat winners were: Great Britain 3:19.0, USA 3:23.3, and France 3:22.5. In the final the powerful Sheppard ran a good lead-off leg for the USA and handed the baton to Reidpath some meters in front of Poulard. The lead was increased steadily and the USA finally won by about 30 meters. Britain lost any chance they might have had of finishing second when their limping lead-off man lost considerable ground.

1. USA 3:16.6 (WR)
(M. Sheppard, E. Lindberg, J. E. Meredith, C. Reidpath)
2. France 3:20.7
(C. Poulard, P. Faillot, C. J. B. Rollot, R. Schurrer)
3. Great Britain 3:23.2
(G. Nicol, E. J. Henley, J. T. Soutter, C. W. Seedhouse)

1920 (23 August) - 6 teams. 1st Round (22 August): 2 heats (first three qualifying). The heats were a useless formality, since all six teams were certain to make the final, so nobody tried hard. Two incidents occurred in the first leg of the final: Schiller of the USA collided with Krokstrom of Sweden, and Dafel of South Africa similarly collided with Andre of France. The teams involved lost ground to the British, who finally won by a safe margin despite a good anchor leg by Rudd of South Africa.

1. Great Britain 3:22 1/5
(C. R. Griffiths, R. A. Lindsey, J. C. Ainsworth-Davis, G. M. Butler)
2. South Africa
(H. Dafel, C. W. Oldfield, J. K. Oosterlaak, B. G. D. Rudd)
3. France
(G. André, G. Féry, M. Delvart, J. Devaux)
4. USA
(G. Schiller, G. Brettnall, J. E. Meredith, F. Shea)
5. Sweden
(S. Krokstrom, S. Malm, E. Sundblad, N. Engdahl)
6. Belgium
(J. Rugeat, O. Corteyn, O. Smet, F. Morren)

1924 (13 July) - 7 teams. 1st Round (12 July): 3 heats (first two qualifying). In the first round only Finland was eliminated. In the final Toms of Great Britain had a two meter lead at the end of the first leg, with USA and Sweden following in that order. But Stevenson put the USA five meters in front of Sweden in the second leg with Britain third, another meter back. Butler ran a great anchor leg for Britain and was only one meter behind Helffrich with 200 meters to go. But he had run himself out and finally even had to relinquish the second spot to Sweden's Nile Engdahl.

1. USA 3:16 (WR)
(C. S. Cochrane, W. E. Stevenson, J. O. McDonald, A. Helffrich)
2. Sweden 3:17
(A. Svensson, E. Byléhn, G. Wejnarth, N. Engdahl)
3. Great Britain 3:17 2/5
(E. J. Toms, G. R. Renwick, R. M. Ripley, G. M. Butler)
4. Canada 3:22 4/5
(N. Aylwin, A. T. Christie, D. M. Johnston, W. Maynes)
5. France 3:23 2/5
(R. Fritz, G. Féry, F. Galtier, A. Favodon)
6. Italy 3:23
(G. Cominotto, A. Gargiullo, E. Maffiolini, L. Facelli)

1928 (5 August) - 16 teams. 1st Round (4 August): 3 heats (first two qualifying). Great Britain had the fastest time in the heats, 3:20 3/5. In the final the Americans had a three meter lead on Germany at the end of the first leg and increased it considerably in the second leg. But the third man, Alderman, lost ground, and Barbuti had to fight pretty hard to stave off Engelhard's attack in the final lap. Splits for the winning team were: Baird 48 2/5, Spencer 48, Alderman 49 2/5, Barbuti 48 2/5.

1. USA 3:14 1/5 (WR)
(G. Baird, E. Spencer, F. P. Alderman, R. Barbuti)
2. Germany 3:14 4/5
(O. Neumann, R. Krebs, H. Storz, H. Engelhard)
3. Canada 3:15 2/5
(A. Wilson, F. Edwards, S. Glover, J. Ball)
4. Sweden 3:15 4/5
(B. Kugelberg, B. von Wachenfeldt, E. Byléhn, S. Pettersson)
5. Great Britain 3:16 2/5
(R. Leigh-Wood, W. M. Craner, J. W. J. Rinkel, D. G. A. Lowe)
6. France 3:19 2/5
(G. Krotzoff, J. Jackson, G. Dupont, F. Feger)

1932 (7 August) - 7 teams. 1st Round (6 August): 2 heats (first three qualifying). The USA team set a world record of 3:11.8 in their heat. In the final the Americans were the leaders from the start. Carr started the anchor leg about a dozen meters in front of Rampling of Great Britain. The latter made a gallant effort and closed to about five meters, but he could not hold the pace and finally lost more than he had gained. Splits for the first two teams: USA-- Puqua 47.1, Ablowich 47.6, Warner

47.3, Carr 46.2, Great Britain -- Stoneley 48.8, Hampson 47.6, Burghley 46.7, Rampling 48.1.

- | | | |
|---|--------|------|
| 1. USA | 3:08.2 | (WR) |
| (I. Fuqua, E. Ablowich, K. Warner, W. Carr) | | |
| 2. Great Britain | 3:11.2 | |
| (C. H. Stoneley, T. Hampson, D. Burghley, G. L. Rampling) | | |
| 3. Canada | 3:12.8 | |
| (R. Lewis, J. Ball, P. Edwards, A. Wilson) | | |
| 4. Germany | 3:14.4 | |
| (J. Buchner, W. Nehb, A. Metzner, O. Peltzer) | | |
| 5. Japan | 3:14.6 | |
| (I. Nakajima, I. Masuda, S. Oki, T. Nishi) | | |
| 6. Italy | 3:17.8 | |
| (G. Carlini, G. Turba, M. De Negri, L. Facelli) | | |

1936 (9 August) - 12 teams. 1st Round (8 August): 3 heats (first two qualifying). Fastest time in the heats was 3:13.0 by the USA. In the final a great run by Rampling in the second leg put Britain in the lead. The USA team, not using men who placed in the 400 meter final, challenged bravely but in vain. Britain won by a wide margin with the second best mark on record. Rudolf Harbig just saved third for Germany from the attack of John Loaring.

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|--|--------|
| 1. Great Britain | 3:09.0 |
| (F. F. Wolff 49.2, G. L. Rampling 46.7, W. Roberts 46.4, A. G. Brown 46.7) | |
| 2. USA | 3:11.0 |
| (H. Cagle 48.7, R. Young 47.6, E. O'Brien 46.7, A. Fitch 48.0) | |
| 3. Germany | 3:11.8 |
| (H. Hamann 49.3, F. von Stulpnagel 48.3, H. Voight 46.6, H. Harbig 47.6) | |
| 4. Canada | 3:11.8 |
| (M. W. Limon 47.9, P. Edwards 48.5, W. Fritz 48.3, J. Loaring 47.1) | |
| 5. Sweden | 3:13.0 |
| (S. Strömberg, P. O. Edfeldt, O. Danielsson, B. von Wachenfeldt) | |
| 6. Hungary | 3:14.8 |
| (T. Ribenyi, Z. Zsitvai, J. Vadas, J. Kovacs) | |

1948 (7 August) - 16 teams. 1st Round (6 August): 3 heats (first two qualifying). Fastest time in the heats was 3:12.6 by the USA. In the final Harnden and Bourland gave the USA a big lead. In the third leg Wint tried to cut down Cochran's advantage but pulled up lame and had to withdraw. The rest of the race was anti-climactic. Italy's lead-off man, Rocca, pulled a muscle and was forced to stop by the severe pain.

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|---|--------|
| 1. USA | 3:10.4 |
| (A. Harnden 48.0, C. Bourland 47.3, R. Cochran 47.8, M. Whitfield 47.3) | |
| 2. France | 3:14.8 |
| (J. Kerbel, F. Schewetta, R. Chef'd'hôtel, J. J. Lunis) | |
| 3. Sweden | 3:15.3 |
| (K. Lundkvist, L. E. Wolfbrandt, P. Alnevik, R. Larsson) | |
| 4. Finland | 3:24.8 |
| (P. J. Suwanto, O. Talja, R. Holmberg, A. Storskrubb) | |

Jamaica (G. Rhoden, L. Laing, A. Wint, H. McKenley) and Italy (G. Rocca, O. Missoni, L. Paterlini, A. Sidi) did not finish.

1952 (27 July) - 18 teams. 1st Round (26 July): 3 heats (first two qualifying). Jamaica won the first heat in 3:12.1 from France (3:12.6) and Sweden (3:13.4); USA won the second in 3:11.5 from Great Britain (3:12.5) and Hungary (3:13.8); Germany won the third in 3:10.5 from Canada (3:11.2) and USSR (3:12.5). The final was an epic race between the two greatest teams in history (until 1960). The Jamaicans showed up with the same team that had been so unlucky four years earlier in London: in the meantime, all except possibly Wint had grown considerably in stature, figuratively speaking. The Americans built up a lead in the first two legs giving Jamaican McKenley a seemingly hopeless task in the third leg against the dependable Charley Moore, the Olympic 400 meter hurdle champion. But the Jamaican ran the race of his life, holding his form to the end after a terrific drive. He thus sent Rhoden off on his journey with a half meter lead on Whitfield. And Rhoden

managed to hold that lead to the end despite Whitfield's challenge in the stretch. Both teams shattered the world record. Germany, in third place, set a new European mark.

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|---|--------|------|
| 1. Jamaica | 3:03.9 | (WR) |
| (A. Wint 46.8, L. Laing 47.0, H. McKenley 44.6, G. Rhoden 45.5) | | |
| 2. USA | 3:04.0 | |
| (O. Matson 46.7, G. Cole 45.5, C. Moore 46.3, M. Whitfield 45.5) | | |
| 3. Germany | 3:06.6 | |
| (H. Geister 47.3, G. Steines 46.9, H. Ulzheimer 46.5, K. F. Haas 45.9) | | |
| 4. Canada | 3:09.3 | |
| (D. B. Clement 49.0, J. Hutchins 47.0, J. Carroll 46.0, J. Lavery 47.3) | | |
| 5. Great Britain | 3:10.0 | |
| (L. C. Lewis 47.9, A. Dick 47.4, T. L. Higgins 47.4, N. D. Stacey 47.3) | | |
| 6. France | 3:10.1 | |
| (J. P. Goudeau, R. Bart, J. Degats, J. P. Martin du Gard) | | |

1956 (1 December) - 15 teams. 1st Round (30 November): 3 heats (first two qualifying). Canada won the first heat in 3:10.5 from USA (3:10.5) and Czechoslovakia (3:10.8) with Finland fourth in a good 3:11.4. Germany won the second heat in 3:09.8 from Australia (3:10.3) and France (3:11.8). Great Britain won the third heat in 3:08.7 from Jamaica (3:10.9) and USSR (3:11.1). In the final the USA was in the lead from the start even though world record holder Lou Jones was not at his best. They won comfortably from a surprisingly good Australian team, who beat such renowned European favorites as those of Britain and Germany.

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| 1. USA | 3:04.7 |
| (L. Jones 47.1, J. W. Mashburn 46.4, C. Jenkins 45.5, T. Courtney 45.7) | |
| 2. Australia | 3:06.1 |
| (L. S. Gregory 47.2, D. Lean 46.3, G. Gipson 46.6, K. Gosper 46.0) | |
| 3. Great Britain | 3:07.2 |
| (J. E. Salisbury 47.6, M. K. V. Wheeler 46.8, F. P. Higgins 46.3, D. J. N. Johnson 46.5) | |
| 4. Germany | 3:08.1 |
| (J. Kühn 47.5, W. Oberste 47.3, M. Pörschke 47.0, K. F. Haas 46.3) | |
| 5. Canada | 3:10.2 |
| (L. Sloan, M. Cockburn, D. B. Clement, T. Tobacco) | |

Jamaica (K. Gardner, G. Kerr, Malcolm Spence, Melville Spence) finished sixth in 3:11.6 but was disqualified for cutting in midway in the second leg.

1960 (8 September) - 19 teams. 1st Round (7 September): 4 heats, three qualify. 2nd Round (7 September): 2 heats, three qualify. In the first round the heat winners were Germany (3:10.4), West Indies (3:09.1), Switzerland (3:10.7), and the USA (3:10.4). Fast non-qualifiers were Finland (3:11.7) and Czechoslovakia (3:11.2 - Trousil 45.4). South Africa won the first semi-final in 3:06.4 followed by Germany (3:07.4) and Great Britain (3:07.5). The fourth and fifth teams, Italy (3:07.7) and Canada (3:08.2), had faster times than the winner of the second semi-final. This last went to the USA in 3:08.4 followed by the West Indies (3:09.2) and Switzerland (3:09.7). In the final Yeman of the USA gave his team a two meter lead over the West Indies with Germany five meters further back in 4th place. Germany's Kinder, running the fastest leg of all, cut the US lead down to a scant meter, but veteran Glenn Davis held off Kaiser's challenge in the third leg and pulled away to give Otis Davis a solid six meter lead on Kaufmann. The latter closed the gap in the first part of the final lap, but Davis's quick move with 100 meters to go caught the German unable to give immediate response and he couldn't gain anything back in the stretch.

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| 1. USA | 3:02.2 | (WR) |
| (J. Yeman 46.2, E. Young 45.6, G. Davis 45.4, O. Davis 45.0) | | |
| 2. Germany | 3:02.7 | |
| (H. Reake 47.0, M. Kinder 44.9, J. Kaiser 45.9, C. Kaufmann 44.9) | | |
| 3. West Indies | 3:04.0 | |
| (Mal Spence 46.5, J. Wedderburn 46.4, K. Gardner 45.8, G. Kerr 45.4) | | |
| 4. South Africa | 3:05.0 | |
| (E. Jefferys 46.7, E. Davis 46.1, G. Day 46.5, M. Spence 45.6) | | |
| 5. Great Britain | 3:08.3 | |
| (M. Yardley 47.1, B. Jackson 47.1, J. Wrighton 47.6, R. Brightwell 46.5) | | |
| 6. Switzerland | 3:09.4 | |
| (R. Weber 48.3, E. Zaugg 46.8, H. Bruder 47.8, C. Waegli 46.5) | | |



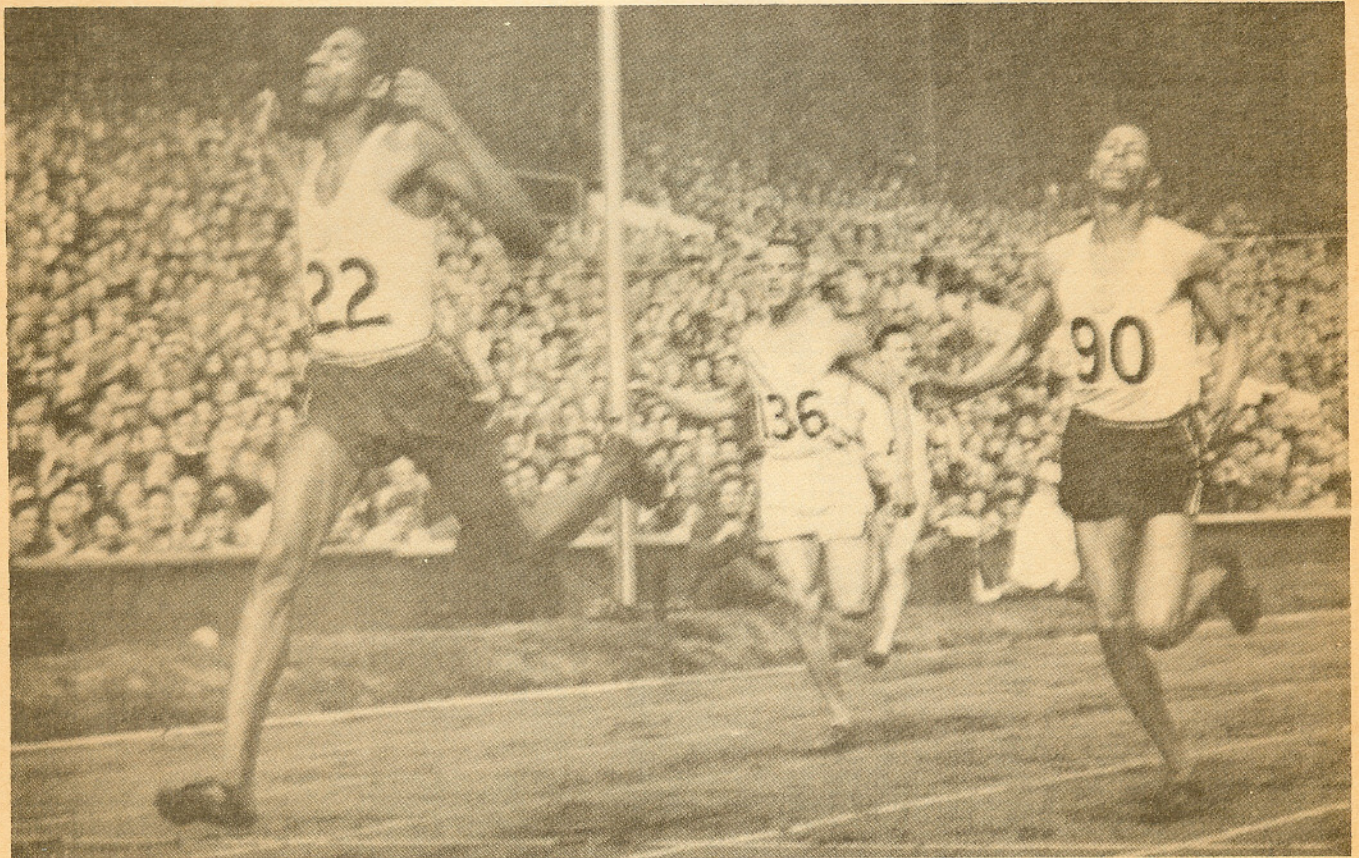
Horace Ashenfelter, USA, trails Vladimir Kazantsev, USSR, at last water jump in 1952 steeplechase but won by big margin in Olympic record 8:45.4.



Chuhei Nambu, Japan, winner of 1932 triple jump, third in long jump.



Lauri Lehtinen, Finland, left, edges Ralph Hill, USA, in 1932 5000 meters.



Arthur Wint, Jamaica, left, wins 1948 400 meters from countryman Herb McKenley, right, with Mal Whitfield, USA, third.

All Time World List

(as of Jan. 1, 1964)

In the following pages we give a list of the world's best performers (by mark) of all time. We have listed approximately 60 names in each of the Olympic events with shorter lists for other distances for which an IAAF record is recognized. Some remarks concerning the format may be in order.

- (i) Each name is followed by the nationality, the last two digits of the year of birth, mark, placing in event, location and date of performance.
- (ii) Marks in the running events converted from performances made at the corresponding English distance are indicated by the notation "C", the rule of conversion being:
200 meters = 220 yards minus 0.1
400 meters = 440 yards minus 0.3
800 meters = 880 yards minus 0.7
- (iii) Intermediate times (e.g. 1500 meter time during 1 mile race) are indicated "I".
- (iv) In the Long Jump and Triple Jump a placing denoted "(*)" indicates that the mark was the best non wind-aided jump on the occasion but was not used in the placing since the athlete had a better (wind-aided) mark during the competition.
- (v) A field event placing of "(q)" indicates the mark was made in a non-scoring qualifying round.
- (vi) We have included a list of supplementary performances for most events. These marks have been disqualified from the regular lists for the reason indicated.
- (vii) A schooled observer will no doubt guess that we have automated our lists via IBM punch cards. Thus it was not possible to include the umlauts, accents, graves, etc. which properly belong on some of the names. We apologize for this situation but feel that the reliability and speed of future publication of our lists is worth the sacrifice.
- (viii) The abbreviations for nationalities used in this list are in some cases different from those used in the Olympic section and in APTS Annuals. The following is the code used here:

A	AUSTRIA	J	JAPAN
ALG	ALGERIA	JAM	JAMAICA
ARG	ARGENTINA	KEN	KENYA
AUS	AUSTRALIA	MEX	MEXICO
B	BELGIUM	MOR	MOROCCO
EG	EUGLIA	N	NORWAY
BR	BRAZIL	NIG	NIGERIA
C	CUBA	NE	NETHERLANDS
CH	SWITZERLAND	NZ	NEW ZEALAND
CHA	CHAD	PAK	PAKISTAN
CND	CANADA	PAN	PANAMA
COM	CONGO	PL	POLAND
CS	CZECHOSLOVAKIA	PR	PUERTO RICO
D	GERMANY	R	RUMANIA
DK	DENMARK	RC	CHINA
E	SPAIN	RI	IRAQ
FIN	FINLAND	RHO	RHODESIA
F	FRANCE	S	SWEDEN
FOR	FORMOSA	SEN	SENEGAL
GB	GREAT BRITAIN	SF	FINLAND
GHA	GHANA	SU	SOVIET UNION
GR	GREECE	TD	TRINIDAD
H	HUNGARY	U	URUGUAY
I	ITALY	UG	UGANDA
IND	INDIA	USA	UNITED STATES
IS	ICELAND	VEN	VENEZUELA
		YU	YUGOSLAVIA
		ZA	SOUTH AFRICA

100 METERS (109.36 YARDS)

ARMIN HARY	D	37	10.0	(1)	ZURICH	21 JUN 60
HARRY JEROME	CND	40	10.0	(1)	SASKATOON	15 JUL 60
LLOYD LABEACH	PAN	23	10.1	(1)	GUAYAQUIL	7 OCT 50
WILLIE WILLIAMS	USA	31	10.1	(1)	BERLIN	3 AUG 56
IRA MURCHISON	USA	33	10.1	(1)	BERLIN	4 AUG 56
LEAMON KING	USA	36	10.1	(1)	ONTARIO CAL	20 OCT 56
RAY NORTON	USA	37	10.1	(1)	SAN JOSE	18 APR 59
CHARLES TIWELL	USA	37	10.1	(1)	HOUSTON	10 JUN 60
DAVID SIME	USA	36	10.1	(1)	WALNUT CAL	12 AUG 60
BOB HAYES	USA	42	10.1	(1)	HASSLEHOLM	17 AUG 62
CHARLES PADDOCK	USA	00	10.2	(1)	PASADENA	18 JUN 21
RALPH METCALFE	USA	10	10.2	(1)	CHICAGO	11 JUN 32
JESSE OWENS	USA	13	10.2	(1)	CHICAGO	20 JUN 36
HAROLD DAVIS	USA	21	10.2	(1)	COMPTON	6 JUN 41
NORWOOD EWELL	USA	18	10.2	(1)	EVANSTON	9 JUL 48
EMMANUEL McDONALD BAILEY	TD	20	10.2	(1)	BELGRADE	25 AUG 51
HECTOR HOGAN	AUS	31	10.2	(1)	SYDNEY	13 MAR 54
HEINZ FUTTERER	D	31	10.2	(1)	YOKOHAMA	31 OCT 54
BOBBY MORROW	USA	35	10.2	(1)	HOUSTON	19 MAY 56
THANE BAKER	USA	31	10.2	(2)	LOS ANGELES	29 JUN 56
MANFRED GERMAR	D	35	10.2	(1)	COLOGNE	31 JUL 57
JOSE TELLES DA CONCEICAO	BR	31	10.2	(1)	SAO PAULO	24 NOV 57
ED COLLYMORE	USA	38	10.2	(2)	MOSCOW	27 JUL 58
MIKE AGOSTINI	TD	35	10.2	(1)	COLOGNE	29 AUG 58
ABDOULAYE SEYE	F	34	10.2	(1)	PARIS	4 JUL 59
EDWARD JEFFERYS	ZA	36	10.2	(1)	BENONI	20 FEB 60
DAVID STYRON	USA	40	10.2	(2)	LAFAYETTE LA	9 APR 60
BILL WOODHOUSE	USA	36	10.2	(1)	ABILENE TEX	16 APR 60
JIMMY WEAVER	USA	36	10.2	(2)	ABILENE TEX	16 APR 60
DAVID JAMES	USA	35	10.2	(1)	ANKARA	22 APR 60
LIVIO BERRUTI	I	39	10.2	(1)	VERONA	26 MAY 60
PAUL WINDER	USA	37	10.2	(1)	BERKELEY	18 JUN 60
ENRIQUE FIGUEROLA	C	38	10.2	(1)	HAVANA	2 AUG 60
STONE JOHNSON	USA	40	10.2	(2)	WALNUT CAL	12 AUG 60
RAFAEL ROMERO	VEN	38	10.2	(1)	CARACAS	23 MAR 61
VILEM MANDLIK	CS	36	10.2	(1)	PRAGUE	23 JUN 61
MARIAN FOIK	PL	33	10.2	(1)	SZCZECIN	15 JUL 61
FRANK BUDD	USA	39	10.2	(1)	GOTTFROH	3 AUG 61
ANDRZEJ ZIELINSKI	PL	36	10.2	(2)	PRAGUE	2 JUN 62
ROGER SAYERS	USA	42	10.2	(1)	PALO ALTO	21 JUL 62
PETER GAMPER	D	40	10.2	(1)	PRAGUE	11 AUG 62
PAUL DRAYTON	USA	39	10.2	(2)	HASSLEHOLM	17 AUG 62
ANATOLIY RYEDKO	SU	40	10.2	(1)	ALMA ATA	22 SEP 62
GUSMAN KOSANOV	SU	35	10.2	(2)	ALMA ATA	22 SEP 62
EDVIN OZOLIN	SU	39	10.2	(1)	TASHKENT	14 OCT 62
ARQUIMEDES HERRERA	VEN		10.2	(1)	SAO PAULO	27 APR 63

MARKS MADE WITH ASSISTING WIND

BOB HAYES	USA	42	9.9	(1)	WALNUT CAL	27 APR 63
HENRY CARR	USA	42	10.0	(2)	WALNUT CAL	27 APR 63
JOHN GILBERT	USA	42	10.0	(3)	WALNUT CAL	27 APR 63
ARQUIMEDES HERRERA	VEN		10.0	(1)	CALI	28 JUN 63
DAVID STYRON	USA	40	10.1	(1)	BATON ROUGE	7 MAY 60

MARIAN FOIK	PL	33	10.1	(1)	PALERMO	7 OCT 61
HEINZ SCHUMANN	D	36	10.1	(1)	BREMEN	26 AUG 62
PETER WAGNER	D	40	10.1	(1)	LEIPZIG	16 MAY 63
JOE SATOW	BR		10.1	(1)	CALI	28 JUN 63
ENRIQUE FIGUEROLA	C	38	10.1	(1)	PRAGUE	26 JUL 63
JOSE XAVIER DE ALMEIDA	BR	04	10.2	(1)	RIO DE JANEIRO	23 NOV 34
EULACE PEACOCK	USA	14	10.2	(1)	LINCOLN	4 JUL 35
BEN JOHNSON	USA	14	10.2	(1)	COLOMBES	22 AUG 37
TAKAYOSHI YOSHIOKA	J	09	10.2	(1)	OSAKA	11 SEP 37
CLYDE JEFFREY	USA	18	10.2	(1T)	LINCOLN	4 JUL 39
MOZELLE ELLERBE	USA	13	10.2	(1T)	LINCOLN	4 JUL 39
ADELIO MARQUEZ	ARG	24	10.2	(1)	BUENOS AIRES	27 NOV 43
JUAN LOPEZ TESTA	U		10.2	(1)	BUENOS AIRES	14 OCT 47
LINDY REMIGINO	USA	31	10.2	(1)	OSLO	31 JUL 52
ABDUL KHALIQ	PAK	33	10.2	(1)	RAWALPINDI	FEB 59
MARTIN LAUER	D	37	10.2	(1)	DUSSELDORF	29 AUG 59
BOB MANNING	USA	38	10.2	(1)	DAKAR	26 MAR 60
VADIM ARKHIPCHUK	SU	37	10.2	(1)	SEVASTOPOL	4 APR 60
FRANTISEK MIKLUSCAK	CS	35	10.2	(1)	KOSICE	29 MAY 60
GEORGE SHORT	CND	41	10.2	(1)	SASKATOON	15 JUL 60
LOUZO KISS	H	32	10.2	(1)	TATABANYA	23 JUL 60
BOUCHAIB EL MAACH	MOR	43	10.2	(1)	CASABLANCA	26 AUG 61
JERZY JUSKOWIAK	PL	39	10.2	(2)	LODZ	1 SEP 62
ERIC BIGBY	AUS		10.2	(1)	BRISBANE	5 JAN 63
GARY HOLDSWORTH	AUS	41	10.2	(1)	MELBOURNE	25 FEB 63
SERAPHINO ANTAO	KEN	37	10.2	(2)	MELBOURNE	25 FEB 63
FORREST BEATY	USA	44	10.2	(4)	WALNUT CAL	27 APR 63
BASSIROU DOUMBIA	SEN		10.2	(1)	DAKAR	30 MAY 63
PETER WALLACH	D	38	10.2	(2)	LEIPZIG	16 MAY 63
DIETER ENDERLEIN	D	44	10.2	(1)	SAARBRUCKEN	19 MAY 63
TIMO-JAAKKO VIRKKALA	SF	43	10.2	(1)	PATTIJOKI	30 JUN 63
ALFRED HEBAU	D	40	10.2	(2)	BREMEN	28 SEP 63

DOWNHILL COURSE

EMIL KETTERER	D	83	10.1	(1)	PRAGUE	JUN 10
HEINZ ERBSTOSSER	D	40	10.2	(1)	UNTERSCHONAU	14 OCT 62

DOUBTFUL TIMING

JOHN MOON	USA	38	10.0	(1)	SAN ANTONIO	15 JUN 63
CHARLES PARKER	USA	26	10.2	(1)	KYOTO	46
JACK PARRINGTON	CND	33	10.2	(1)	TORONTO	21 JUL 56
ABDUL KHALIQ	PAK	33	10.2	(1)	ABBOTTABAD	7 OCT 56
LEONID BARTENYEV	SU	33	10.2	(1)	KIEV	25 JUN 60
NIKOLAY POLITIKO	SU	37	10.2	(1)	CAIRO	30 JUN 60

UNKNOWN IRREGULARITY

EDDIE TOLAN	USA	08	10.2	(1)	VANCOUVER	1 JUL 30
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200 METERS (218.72 YARDS) - FULL TURN C = 220 Y TIME LESS 0.1

HENRY CARR	USA	42	20.2 C	(1)	TEMPE ARIZ	23 MAR 63
PETER RADFORD	GB	39	20.4 C	(1)	WOLVERHAMPTON	28 MAY 60
PAUL DRAYTON	USA	39	20.4 C	(1)	WALNUT CAL	23 JUN 62
ROBERT HAYES	USA	42	20.4 C	(1)	CORAL GABLES	2 MAR 63
JAMES CARLTON	USA	29	20.5 C	(1)	SYDNEY	16 JAN 32
ANDY STANFIELD	USA	27	20.5 C	(1)	PHILADELPHIA	26 MAY 51
RAY NORTON	USA	37	20.5 C	(1)	BERKELEY	19 MAR 60
STONE JOHNSON	USA	40	20.5 C	(1)	PALO ALTO	2 JUL 60
LIVIO BERRUTI	I	39	20.5 C	(1)	ROME	3 SEP 60
ADOLPH PLUMMER	USA	38	20.5 C	(1)	COMPTON	7 JUN 63
LARRY QUESTAD	USA	43	20.5 C	(2)	ALBUQUERQUE	15 JUN 63
THANE BAKER	USA	31	20.6 C	(1)	RIVERSIDE CAL	9 JUN 56
BOBBY MORROW	USA	35	20.6 C	(1)	BERKELEY	16 JUN 56
ED COLLYMORE	USA	38	20.6 C	(1)	BERKELEY	14 JUN 58
MANFRED GERMAR	D	35	20.6 C	(1)	WUPPERTAL	1 OCT 58
BILL WOODHOUSE	USA	36	20.6 C	(1)	ABILENE	5 MAY 59
SANTIAGO PLAZA	MEX	38	20.6 C	(1)	MEXICO CITY	5 JUN 60
SERAPHINO ANTAO	KEN	37	20.6 C	(1)	NAIROBI	2 JUL 60
MARIAN FOIK	PL	33	20.6 C	(1)	LODZ	31 JUL 60
LESTER CARNEY	USA	34	20.6 C	(2)	ROME	3 SEP 60
STEVE HAAS	USA	41	20.6 C	(1)	LOS ANGELES	14 APR 62
HOMER JONES	USA	41	20.6 C	(1)	HOUSTON	12 MAY 62
HARRY JEROME	CND	40	20.6 C	(1)	EUGENE ORE	15 JUN 62
JESSE OWENS	USA	13	20.7 C	(1)	BERLIN	5 AUG 36
MELVIN PATTON	USA	24	20.7 C	(1)	EVANSTON	10 JUL 48
NORWOOD EWELL	USA	18	20.7 C	(2)	EVANSTON	10 JUL 48
LLOYD LABEACH	PAN	23	20.7 C	(1)	GOTEBORG	11 AUG 50
ROD RICHARD	USA	32	20.7 C	(1)	MEXICO CITY	16 MAR 55
ORLANDO HAZLEY	USA	33	20.7 C	(1)	STILLWATER	8 MAY 58
MILKHA SINGH	IND	35	20.7 C	(1)	LAHORE	31 JAN 60
ABDOULAYE SEYE	F	34	20.7 C	(1)	ZURICH	21 JUN 60
TED WOODS	USA	40	20.7 C	(1)	WALNUT CAL	12 AUG 60
EDWARD JEFFERYS	ZA	36	20.7 C	(1)	BENONI	4 FEB 61
ABDUL AMU	NIG	33	20.7 C	(1)	YABA	15 APR 61
FRANK BUDD	USA	39	20.7 C	(1)	PHILADELPHIA	17 JUN 61
ANDRZEJ ZIELINSKI	PL	36	20.7 C	(1)	WARSAW	10 JUN 62
NATE ADAMS	USA	41	20.7 C	(2)	EUGENE ORE	15 JUN 62
ROGER SAYERS	USA	42	20.7 C	(2)	WALNUT CAL	23 JUN 62
OVE JONSSON	S	40	20.7 C	(1)	ZURICH	10 JUL 62
SERGIO OTTOLINA	I	42	20.7 C	(2)	ZURICH	10 JUL 62
LAUS JAMES	USA	35	20.7 C	(2)	LAUSANNE	21 JUL 62
PETER LAENG	CH	42	20.7 C	(2)	ZURICH	4 AUG 62
DICK CORTESE	USA	42	20.7 C	(2)	TEMPE ARIZ	23 MAR 63
Tom HESTER	USA	44	20.7 C	(3)	TEMPE ARIZ	23 MAR 63
BOUCHAIB EL MAACH	MOR	43	20.7 C	(1)	DENVER	24 APR 63
DICK BURNS	USA	42	20.7 C	(1)	BOULDER COLO	4 MAY 63
BILL HARVEY	USA	42	20.7 C	(1)	POCATELLO	4 MAY 63
JIM WOOD	USA		20.7 C	(1)		63
DON WEBSTER	USA	44	20.7 C	(2)	ST LOUIS	22 JUN 63
DWIGHT MIDDLETON	USA	43	20.7 C	(3)	ST LOUIS	22 JUN 63
JOCELYN DELECOUR	F	35	20.7 C	(1)	ZURICH	2 JUL 63
ALFRED HEBAU	D	40	20.7 C	(1)	AUGSBURG	11 AUG 63

MARKS MADE WITH ASSISTING WIND

SERAPHINO ANTAO	KEN	37	20.0 C	(1)	NAIROBI	22 SEP 62
ANDY STANFIELD	USA	27	20.3 C	(1)	GEORGETOWN BG	12 APR 50
PAUL DRAYTON	USA	39	20.3 C	(1T)	ST LOUIS	22 JUN 60
THANE BAKER	USA	31	20.4 C	(1)	LINCOLN	19 JUN 51

RAY KNAUB	USA 40	20.4 C	(1)	LINCOLN NEB	12 MAY 62
BOBBY MORROW	USA 35	20.5 C	(1)	ABILENE	3 JUN 55
JOHN MOON	USA 38	20.5 C	(3)	ST LOUIS	22 JUN 63
DON WEBSTER	USA 44	20.5 C	(4)	ST LOUIS	22 JUN 63
EDWARD JEFFRIES	ZA 36	20.6 C	(1)	BOKSBURG	14 OCT 59
JOHN LEWIS	USA 40	20.6 C	(1)	ABILENE TEX	28 APR 62

BOB MORELAND	USA	20.6 C	(1)	MINNEAPOLIS	17 MAY 63
ANDRZEJ ZIELINSKI	PL 36	20.6 C	(1)	BYDGOSZCZ	16 JUN 63
EARL YOUNG	USA 41	20.6 C	(6)	ST LOUIS	22 JUN 63
BRUCE LAND	USA 36	20.7 C	(1)	ABILENE TEX	30 APR 60
VADIM ARKHIPCHUK	SU 37	20.7 C	(1)	BYELAYA TSEKOV	25 JUL 60
DAVID JONES	GB 40	20.7 C	(1)	LONDON	20 MAY 61
DALE ALEXANDER	USA 40	20.7 C	(2)	LINCOLN NEB	12 MAY 62

NO FLASH					
FRANK BUDD	USA 39	20.4 C	(1)	HANOVER NH	20 MAY 61
J W MASHBURN	USA 33	20.5 C	(1)	STILLWATER OKLA	24 APR 56

DOWNHILL COURSE					
GORDON DAY	ZA 36	20.6 C	(1)	EAST LONDON	17 DEC 57
TREVOR FINLAY	ZA 33	20.7 C	(2)	EAST LONDON	17 DEC 57

DOUBTFUL TIMING					
JOHN LUXON	ZA 38	20.6 C	(1)	WINDHOEK	23 APR 60

MADE ON OVERSIZE OVALS OR AROUND LESS THAN A FULL TURN					
MANFRED GERMAR	D 35	20.4	(1)	COLOGNE	31 JUL 57
ABDOULAYE SEYE	F 34	20.4	(1)	COLOGNE	16 SEP 60
ARMIN HARY	D 37	20.5	(1)	MANNHEIM	1 JUN 60
RALPH METCALFE	USA 10	20.6	(1)	BUDAPEST	12 AUG 33
ART BRAGG	USA 30	20.6	(1)	COLOGNE	29 JUL 53
HEINZ FUTTERER	D 31	20.6	(1)	COLOGNE	4 SEP 55
JOHN LUXON	ZA 38	20.6 C	(1)	BLOEMFONTEIN	3 MAY 58
MIKE AGOSTINI	TD 35	20.6	(1)	COLOGNE	29 AUG 58
ARDALION IGNATYEV	SU 30	20.7	(1)	KIEV	14 JUL 56
KARL FRIEDRICH HAAS	D 31	20.7	(1)	COLOGNE	14 OCT 56
EDWARD JEFFRIES	ZA 36	20.7 C	(2)	BLOEMFONTEIN	3 MAY 58
WILTON JACKSON	TD 35	20.7 C	(1)	PENAL	22 MAR 59
STEVE ROBBINS	USA 41	20.7 C	(1)	TUCSON	26 MAR 63
WIND ASSISTED					
HERB MCKENLEY	JAM 22	20.6	(1)	ESKILSTUNA	8 SEP 50

MARK MADE OVER 199.60 METERS					
CHARLES TIDWELL	USA 37	20.2	(1)	ABILENE TEX	16 APR 60

400 METERS (437.44 YARDS) C = 440 Y TIME LESS 0.3

ADOLPH PLUMMER	USA 38	44.6 C	(1)	TEMPE ARIZ	25 MAY 63
OTIS DAVIS	USA 32	44.9 C	(1)	ROME	6 SEP 60
CARL KAUFMANN	D 36	44.9	(2)	ROME	6 SEP 60
LOUIS JONES	USA 32	45.2	(1)	LOS ANGELES	30 JUN 56
ULIS WILLIAMS	USA 41	45.3 C	(2)	TEMPE ARIZ	25 MAY 63
GLENN DAVIS	USA 34	45.4 C	(1)	BERKELEY	14 JUN 58
HENRY CARR	USA 42	45.4	(1)	HANNOVER	31 JUL 63
JIM LEA	USA 32	45.5 C	(1)	MODESTO	26 MAY 56
EDDIE SOUTHERN	USA 38	45.5 C	(1)	BAKERSFIELD	21 JUN 58
MALCOLM SPENCE	ZA 37	45.5	(3)	ROME	6 SEP 60
MILKHA SINGH	IND 35	45.6	(4)	ROME	6 SEP 60
ROBBIE BRIGHTWELL	GB 39	45.6 C	(1)	LONDON	14 JUL 62
HERB MCKENLEY	JAM 22	45.7 C	(1)	BERKELEY	5 JUN 48
TED WOODS	USA 40	45.7	(1)	BERKELEY	18 JUN 60
GEORGE KERR	JAM 37	45.7 C	(1)	KINGSTON	1 JUL 60
EARL YOUNG	USA 41	45.7	(2)	WALNUT CAL	12 AUG 60
ADRIAN METCALFE	GB 42	45.7	(1)	DORTMUND	2 SEP 61
OLLAN CASSELL	USA 36	45.7 C	(1)	FT HOOD TEX	19 MAY 62
PETER LAENG	CH 42	45.7	(1)	ZURICH	10 JUL 62
BOB TOBLER	USA 42	45.7 C	(1)	LOGAN UTAH	18 MAY 63
REX CAWLEY	USA 40	45.7 C	(1)	ALBUQUERQUE	14 JUN 63
GEORGE RHODEN	JAM 26	45.8	(1)	ESKILSTUNA	22 AUG 50
TOM COURTNEY	USA 33	45.8	(1)	BAKERSFIELD	23 JUN 56
CHARLES JENKINS	USA 34	45.8 C	(2)	BAKERSFIELD	21 JUN 58
GORDON DAY	ZA 36	45.8 C	(2)	BLOEMFONTEIN	18 APR 60
MANFRED KINDER	D 38	45.8	(2)	BERLIN	24 JUL 60
KEITH THOMASSEN	USA 36	45.8 C	(1)	WALNUT CAL	29 APR 61
MALVIN WHITEFIELD	USA 24	45.9 I	(1)	ESKILSTUNA	16 AUG 53
J W MASHBURN	USA 33	45.9 C	(2)	MODESTO	26 MAY 56
MIKE LARRABEE	USA 33	45.9 I	(1)	COMPTON	5 JUN 59
CHARLES CARLSON	USA 36	45.9	(1)	COLOGNE	1 JUL 59
ABDOULAYE SEYE	F 34	45.9	(1)	LONDON	1 AUG 60
BILL CROTHERS	CND 40	45.9 C	(2)	WALNUT CAL	29 APR 61
DAVE MILLS	USA 39	45.9 C	(1)	LAFAYETTE IND	19 MAY 62
RAY SADDLER	USA 42	45.9 C	(2)	WALNUT CAL	23 JUN 62
RON FREEMAN	USA 40	45.9 C	(3)	TEMPE ARIZ	25 MAY 63
RUDOLF HARBIG	D 13	46.0	(1)	FRANKFURT M	12 AUG 39
GROVER KLEMMER	USA 21	46.0	(1)	PHILADELPHIA	29 JUN 41
ARDALION IGNATYEV	SU 30	46.0	(1)	MOSCOW	25 JUN 55
GERHARDUS POTGIETER	ZA 37	46.0 C	(1)	PORT ELIZABETH	19 DEC 59
VIC HALL	USA 37	46.0 C	(4)	MODESTO CAL	28 MAY 60
JACK YERMAN	USA 39	46.0	(1)	PALO ALTO	2 JUL 60
WALT JOHNSON	USA 39	46.0 C	(1)	ST LOUIS	3 JUN 61
CHARLES STRONG	USA 40	46.0 C	(2)	LAWRENCE KANS	19 MAY 62
DAVE ARCHIBALD	USA 43	46.0 C	(1)	PALO ALTO	9 JUN 62
JERZY KOWALSKI	PL 37	46.0	(1)	LODZ	2 SEP 62
ELZIE HIGGINBOTTOM	USA 41	46.0 C	(3)	ALBUQUERQUE	14 JUN 63
JURGEN KALFELDER	D 40	46.0	(1)	AUGSBURG	11 AUG 63
BEN EASTMAN	USA 11	46.1 C	(1)	PALO ALTO	26 MAY 32
ARCHIE WILLIAMS	USA 15	46.1	(1)	CHICAGO	19 JUN 36
HUBERT KERNS	USA 20	46.1	(2)	PHILADELPHIA	29 JUN 41
CLIFF BOURLAND	USA 21	46.1	(3)	PHILADELPHIA	29 JUN 41
VOITTO HELLSTEN	SF 32	46.1	(2)	MELBOURNE	29 NOV 56
NICK ELLIS	USA 38	46.1 C	(1)	BALTIMORE	11 JUN 60
JERZY KOWALSKI	PL 37	46.1	(1)	LODZ	31 JUL 60
FREDERICK OWUSU	GHA 36	46.1 C	(1)	ACCRA	8 APR 61
NORMAN MONROE	USA 39	46.1 C	(4)	PHILADELPHIA	17 JUN 61
HANS JOACHIM RESKE	D 40	46.1	(1)	HAMBURG	29 JUL 62
LESTER MILBURN	USA 39	46.1 C	(3)	ST LOUIS	22 JUN 63
ANDRZEJ BADENSKI	PL 43	46.1	(1)	LUDWIGSBURG	20 JUL 63

MADE ON STRAIGHTAWAY BOARD TRACK

HERB MCKENLEY	JAM 22	44.7 C	(1)	LONG BRANCH NJ	23 AUG 47
ROBERT TYLER	USA 23	45.8 C	(1)	ASBURY PARK NJ	14 JUN 42
JOHN BORICAN	USA 13	45.8 C	(2)	ASBURY PARK NJ	14 JUN 42

800 METERS (874.89 YARDS) C = 880 Y TIME LESS 0.7

PETER SNELL	NZ 38	1 44.3 I	(1)	CHRISTCHURCH	3 FEB 62
ROGER MOENS	B 30	1 45.7	(1)	OSLO	3 AUG 55
THOMAS COURTNEY	USA 33	1 45.8	(1)	OSLO	9 AUG 57
AUDUN BOYSEN	N 29	1 45.9	(2)	OSLO	3 AUG 55
BILL CROTHERS	CND 40	1 46.1 C	(1)	ST LOUIS	22 JUN 63
PAUL SCHMIDT	D 31	1 46.2	(1)	COLOGNE	20 SEP 59
JERRY SIEBERT	USA 38	1 46.3 C	(1)	PALO ALTO	9 JUN 62
GEORGE KERR	JAM 37	1 46.4	(1)	BERKELEY	18 JUN 60
MANFRED MATUSCHEWSKI	D 39	1 46.4	(1)	ERFURT	30 JUL 63
DONALD BOWDEN	USA 36	1 46.5 C	(1)	AUSTIN	15 JUN 57
STEFAN LEWANDOWSKI	PL 30	1 46.5	(2)	COLOGNE	20 SEP 59
RUDOLF HARBIG	D 13	1 46.6	(1)	MILAN	15 JUL 39
DEREK JOHNSON	GB 33	1 46.6	(2)	OSLO	9 AUG 57
HERBERT ELLIOTT	USA 38	1 46.6 C	(1)	LONDON	4 AUG 58
ERNE CUNLIFFE	USA 37	1 46.6 I	(1)	FRESNO CAL	2 APR 60
JIM DUPREE	USA 36	1 46.6 C	(2)	ST LOUIS	22 JUN 63
ARNOLD SOWELL	USA 35	1 46.7	(1)	BERKELEY	16 JUN 56
ZBIGNIEW MAKOMASKI	PL 31	1 46.7	(1)	WARSAW	2 AUG 58
THOMAS MURPHY	USA 35	1 46.7	(1)	PALO ALTO	2 JUL 60
LONNIE SPURRIER	USA 32	1 46.8 C	(1)	BERKELEY	26 MAR 55
SIEGFRIED VALENTIN	D 36	1 46.8	(1)	POTSDAM	30 JUL 60
NOEL CARROLL	EIR 41	1 46.8 C	(1)	LOS ANGELES	17 MAY 63
MORGAN GROTH	USA 43	1 46.8 C	(3)	ST LOUIS	22 JUN 63
TADEUSZ KAZMIERSKI	PL 34	1 46.9	(3)	WARSAW	2 AUG 58
STEVE HAAS	USA 41	1 46.9 C	(4)	ST LOUIS	22 JUN 63
HERBERT MISSALLA	D 35	1 47.0	(2)	BREMEN	26 AUG 58
BRIAN HEWSON	GB 33	1 47.0	(1)	COLOMBES	13 SEP 58
MICHAEL RAWSON	GB 34	1 47.0	(2)	COLOMBES	13 SEP 58
PETER ADAM	D 36	1 47.0	(3)	COLOGNE	20 SEP 59
JOHN REILLY	USA 41	1 47.0 C	(3)	WALNUT CAL	23 JUN 62
LAJOS SZENTGALI	H 32	1 47.1	(1)	BERN	28 AUG 54
RON DELANY	EIR 35	1 47.1 C	(2)	AUSTIN	15 JUN 57
ANTHONY BLUE	USA 36	1 47.1 C	(1)	BRISBANE	26 MAR 60
JORG BALKE	D 36	1 47.1	(3)	ERFURT	7 AUG 60
BEN TUCKER	USA 43	1 47.1 C	(2)	PALO ALTO	9 JUN 62
MICHEL JAZY	F 36	1 47.1	(1)	LIMOUX	13 OCT 62
KEVIN HOGAN	USA 41	1 47.1 C	(2)	LOS ANGELES	17 MAY 63
JOHN BOUTLER	GB 40	1 47.1 C	(1)	LONDON	12 JUN 63
JACK YERMAN	USA 39	1 47.2 C	(4)	WALNUT CAL	23 JUN 62
LUCIEN DEMUYNCK	B 31	1 47.3	(2)	BERN	28 AUG 54
CHRISTIAN WAGLI	CH 34	1 47.3	(2)	COLOGNE	15 JUN 60
NORM HOFFMAN	USA 40	1 47.3 C	(1)	ALBUQUERQUE	15 JUN 63
BILL TIDWELL	USA 32	1 47.4 C	(3)	BOULDER COLO	25 JUN 55
KARL HEINZ KRUSE	D 34	1 47.4	(4)	ERFURT	7 AUG 60
VASILY SAVINKOV	SU 37	1 47.4	(3)	MOSCOW	15 JUL 61
GARY PHILPOTT	NZ	1 47.4 C	(4)	DUBLIN	17 JUL 61
BILL FRAZIER	USA 42	1 47.4 C	(5)	WALNUT CAL	23 JUN 62
VALERIY BULISHEV	SU 39	1 47.4	(1)	KIEV	24 JUN 62
BILL CORNELL	GB 39	1 47.4 C	(5)	ST LOUIS	22 JUN 63
GUNNAR NIELSEN	DK 28	1 47.5 I	(1)	COPENHAGEN	4 AUG 55
STANISLAV JUNGWIRTH	CS 30	1 47.5	(1)	BRATISLAVA	18 MAY 57
JAMES PATERSON	GB 34	1 47.5	(2)	BORDEAUX	29 JUN 57
DAN WAERN	S 33	1 47.5	(1)	BORAS	25 AUG 61
DYROL BURLESON	USA 40	1 47.5 C	(1)	BERKELEY	24 MAR 62
GREG PELSTER	USA 41	1 47.5 C	(6)	ST LOUIS	22 JUN 63
LANG STANLEY	USA 31	1 47.6	(1)	KINGSTON	11 JUL 55
DAVE SCURLOCK	USA 35	1 47.6 C	(3)	AUSTIN	15 JUN 57
LOWELL JANZEN	USA 35	1 47.6 C	(4)	AUSTIN	15 JUN 57
JOHN BORK	USA 39	1 47.6 C	(1)	PHILADELPHIA	17 JUN 61
MADE ON BANKED BOARD TRACK					
JOHN WOODRUFF	USA 15	1 47.0 I	(1)	HANOVER NH	14 MAR 40

HERB ELLIOTT	AUS 38	3 35.6	(1)	ROME	6 SEP 60
MICHEL JAZY	F 36	3 37.8	(1)	COLOMBES	28 JUL 63
STANISLAV JUNGWIRTH	CS 30	3 38.1	(1)	STARA BOLESNAV	12 JUL 57
DAN WAERN	S 33	3 38.6	(2)	GOTEBORG	18 SEP 60
SIEGFRIED VALENTIN	D 36	3 38.7	(1)	POTSDAM	27 AUG 60
MICHEL BERNARD	F 31	3 38.7	(2)	COLOMBES	28 JUL 63
MURRAY HALBERG	NZ 33	3 38.8	(2)	OSLO	5 SEP 58
ISTVAN ROZSAVOLGYI	H 29	3 38.8	(1)	BUDAPEST	30 JUL 60
PETER SNELL	NZ 38	3 39.3 I	(1)	WANGANUI	27 JAN 62
CARY WEISIGER	USA 38	3 39.3 I	(1)	COMPTON	7 JUN 63
JURGEN MAY	D 42	3 39.3	(2)	VARNA	9 OCT 63
JIM BEATTY	USA 34	3 39.4	(1)	OSLO	9 AUG 62
ARNE HAMARSLAND	N 33	3 39.8	(3)	OSLO	5 SEP 58
SIEGFRIED HERRMANN	D 32	3 39.8	(3)	VARNA	9 OCT 63
WITOLD BARAN	PL 39	3 40.0	(1)	WALCZ	10 AUG 61
OLAVI SALSOLA	SF 33	3 40.2	(1)	TURKU	11 JUL 57
OLAVI SALONEN	SF 33	3 40.2	(2)	TURKU	11 JUL 57
JIM GRELLER	USA 36	3 40.2	(2)	OSLO	9 AUG 62
OLAVI VUORISALO	SF 33	3 40.3	(3)	TURKU	11 JUL 57
ZOLTAN VAMOS	R 36	3 40.5	(1)	PRAGUE	18 JUN 60
SANDOR IHAROS	H 30	3 40.8	(1)	HELSINKI	28 JUL 55
LASZLO TABORI	H 31	3 40.8	(1)	OSLO	6 SEP 55
GUNNAR NIELSEN	DK 28	3 40.8	(2)	OSLO	6 SEP 55
DYROL BURLESON	USA 40	3 40.9	(6)	ROME	6 SEP 60
STEFAN LEWANDOWSKI	PL 30	3 41.0	(2)	GOTEBORG	8 SEP 59
IVAN BYELTSKIY	SU 36	3 41.0	(2)	PALO ALTO	22 JUL 62
JONAS PIPEY	SU 35	3 41.1	(1)	MOSCOW	4 AUG 57
LAJOS KOVACS	H 36	3 41.1	(3)	BUDAPEST	5 AUG 58
BRIAN HEWSON	GB 33	3 41.1	(2)	STOCKHOLM	22 AUG 58
VASILY SAVINKOV	SU 37	3 41.1	(1)	MOSCOW	13 AUG 62
INGVAR ERICSSON	S 27	3 41.2	(1)	GOTEBORG	30 SEP 56
RON DELANY	EIR 35	3 41.2	(1)	MELBOURNE	1 DEC 56
KEITH FORMAN	USA 41	3 41.2	(3)	PALO ALTO	22 JUL 62
HARALD NORPOTH	D 42	3 41.2	(1)	HAMBURG	20 SEP 62
TOM OHARA	D 42	3 41.3	(2)	MOSCOW	21 JUL 63
ROGER MOENS	B 30	3 41.4	(1)	ANTWERP	19 JUN 60
WILLIAM DELLINGER	USA 34	3 41.5	(3)	BUDAPEST	5 AUG 58
HANS GRODZTZKI	D 36	3 41.6	(3)</		

KARL HEINZ KRUSE	D	34	3 41.7	(2)	POTSDAM	27 AUG 60	ALBERT THOMAS	AUS	35	13 51.4	(1)	MELBOURNE	15 DEC 63
JEAN WADOUX	F	42	3 41.7	(3)	COLOMBES	28 JUL 63	CHRIS CHATAWAY	GB	31	13 51.6	(1)	LONDON	13 OCT 54
JOHN LANDY	AUS	30	3 41.8	(1)	TURKU	21 JUN 54	ZDZISLAW KRZYSZKOWIAK	PL	29	13 51.6	(1)	TULA	25 JUN 60
PETER PARSCHE	H	36	3 41.8	(3)	BUDAPEST	25 JUN 60							
KARL EYERKAUFER	D	40	3 41.8	(1)	ROME	23 JUN 62	JOHN ANDERSON	GB	36	13 51.6	(2)	BUDAPEST	3 OCT 63
DEREK IBBOTSON	GB	32	3 41.9	(1)	LONDON	19 JUL 57	RON CLARKE	AUS	37	13 51.6	(2)	MELBOURNE	15 DEC 63
BOB SEAMAN	USA	35	3 41.9	(3)	LONDON	18 AUG 62	MIKLOS SZABO	H	28	13 51.8	(1)	MOSCOW	4 AUG 57
STANLEY TAYLOR	GB	37	3 41.9	(4)	LONDON	18 AUG 62	MATTI HUTTUNEN	SF	30	13 51.8	(1)	HELSINKI	23 JUN 59
KLAUS RICHTZENHAIN	D	34	3 42.0	(2)	MELBOURNE	1 DEC 56	DAVID POWER	AUS	28	13 51.8	(5)	ROME	2 SEP 60
MERVYN LINCOLN	AUS	33	3 42.0	(1)	MELBOURNE	23 MAR 57	MIROSLAV JUREK	CS	35	13 52.2	(2)	GOTEBORG	28 AUG 58

ZBIGNIEW ORYWAL	PL	30	3 42.0	(5)	TURKU	29 AUG 58	HORST FLOSBACH	D	36	13 52.4	(2)	SOLINGEN	6 JUL 61
ULF BERTIL LUNDH	N	32	3 42.1	(7)	GOTEBORG	28 AUG 58	REIJO HOYKINPURI	SF	33	13 52.6	(2)	HELSINKI	23 JUN 59
ROGER BANNISTER	GB	29	3 42.2	(2)	VANCOUVER	7 AUG 54	LASZLO TABORI	DP	31	13 52.6	(1)	LONDON	30 JUL 60
MICHAEL BLAGROVE	GB	34	3 42.2	(2)	COLOMBES	14 SEP 58	ALEKSEY DESYATICHKOV	SU	32	13 52.6	(2)	MOSCOW	13 AUG 60
TOMAS SALINGER	CS	38	3 42.2	(3)	BELGRADE	16 SEP 62							
VOLKER TULZER	A	40	3 42.2	(3)	HALLE	23 JUN 63	NYANDIKA MAIYORO	KEN	30	13 52.8	(6)	ROME	2 SEP 60
GIANFRANCO BALARDI	I	35	3 42.3	(5)	STOCKHOLM	22 AUG 58	BRUCE TULLOH	GB	35	13 52.8	(1)	BUDAPEST	8 JUL 61
ERICH NIEPHAGEN	D	39	3 42.3	(4)	LEIPZIG	3 AUG 63	ALEKSANDR ARTINYUK	SU	35	13 53.0	(2)	MOSCOW	14 AUG 59
ROGER VERHEUEN	B	27	3 42.4	(2)	OSLO	7 AUG 61	PAT CLOHESSY	AUS	33	13 53.2	(2)	COMPTON	7 JUN 63
MORGAN GROTH	USA	43	3 42.4	(1)	HANNOVER	1 AUG 63	BORIS YEFIMOV	SU	35	13 53.2	(4)	MOSCOW	15 AUG 63

3000 METER STEEPLECHASE (1 MILE 1520.83 YDS)

GASTON ROELANTS	B	37	8 22.0	(1)	LOUVAIN	7 SEP 63	LUDEWIG MULLER	D	32	13 53.6	(3)	WARSAW	1 OCT 60
ZDZISLAW KRZYSZKOWIAK	PL	29	8 30.4	(1)	WALCZ	10 AUG 61	ROBERT BOGEY	F	35	13 53.6	(3)	BELGRADE	13 SEP 62
GRIGORIY TARAN	SU	37	8 31.2	(1)	KIEV	28 MAY 61							
JERZY CHROMIK	PL	31	8 32.0	(1)	WARSAW	2 AUG 58	LAJOS MECSEAR	H	42	13 53.6	(2)	BUDAPEST	3 OCT 63
NIKOLAY SOKOLOV	SU	30	8 32.4	(2)	TULA	26 JUN 60	PETER CLARK	GB	33	13 53.8	(1)	COLOMBES	13 SEP 58
HERMANN BUHL	D	35	8 34.0	(1)	MOSCOW	3 JUL 60	JOSEF TOMAS	CS	34	13 54.0	(3)	MOSCOW	2 JUL 63
JOZSEF MACSAR	H	38	8 34.0	(1)	BUDAPEST	1 OCT 61	BELA SZEKERES	H	38	13 54.0	(4)	MOSCOW	2 JUL 63
EDUARD OSTIPOV	SU	38	8 34.4	(1)	MOSCOW	3 JUL 63	ALLAN LAWRENCE	AUS	30	13 54.2	(3)	MOSCOW	4 AUG 57
MATVEY DMITRIYEV	SU	34	8 34.8	(1)	KIEV	7 SEP 63	DEREK IBBOTSON	GB	32	13 54.4	(3)	MELBOURNE	28 NOV 56
MAURICE HERRIOTT	GB	39	8 35.4	(2)	BUDAPEST	2 OCT 63	MARIAN JOCHMAN	PL	35	13 54.6	(2)	WARSAW	1 AUG 58

SANDOR ROZSNYOI	H	30	8 35.6	(1)	BUDAPEST	16 SEP 56	FRANK SALVAT	GB	34	13 54.8	(2)	LONDON	1 AUG 60
SEMYON RZHIGHCHIN	SU	33	8 35.6	(1)	TALLINN	21 JUL 58	JOSZEF MACSAR	H	38	13 55.4	(2)	BUDAPEST	8 SEP 61
VLADIMIR YEVDOKIMOV	SU	34	8 35.8	(1)	KIEV	17 JUN 62	PETR HELLMICH	CS	39	13 55.4	(6)	MOSCOW	2 JUL 63
ALEKSEY KONOV	SU	38	8 36.2	(1)	MOSCOW	11 AUG 62							
KESTUTIS ORENTAS	SU	39	8 36.2	(2)	KIEV	7 SEP 63							
HANS HUNEKE	D	34	8 37.4	(1)	KASSEL	3 AUG 58							
ZOLTAN VAMOS	R	36	8 37.6	(2)	BELGRADE	16 SEP 62							
GEORGE YOUNG	USA	37	8 38.0	(2)	MOSCOW	16 JUL 61							
SLAVKO SPAN	YU	38	8 38.6	(2)	MOSCOW	3 JUL 63							
LAZAR NARODITSKIY	SU	37	8 39.0	(2)	KIEV	28 MAY 61							

ESKO SIREN	SF	38	8 39.4	(1)	BUDAPEST	8 JUL 62	MURRAY HALBERG	NZ	33	28 48.0	(1)	AUCKLAND	28 MAR 60
MIKLOS FAZEKAS	H	33	8 39.6	(2)	BUDAPEST	8 JUL 62	ROBERT BOGEY	F	35	28 48.2	(1)	MOSCOW	3 JUL 63
RAINER DORNER	D	37	8 39.6	(2)	CELJE	22 JUL 62	LEONID IVANOV	SU	37	28 48.6	(2)	MOSCOW	3 JUL 63
LAGE TEDENBY	S	37	8 39.8	(1)	HALSINGBORG	30 AUG 61							
BENGT PERSSON	S	38	8 39.8	(3)	HELSINKI	17 JUL 63							
BOHUMIR ZHANAL	CS	31	8 39.8	(2)	KIEV	15 SEP 63	BAXY TRUOX	USA	35	28 50.2	(6)	ROME	8 SEP 60
SERGEY PONOMAREV	SU	31	8 40.6	(2)	TALLINN	21 JUL 58	MURRAY MAGEE	NZ	34	28 50.8	(1)	HELSINKI	6 JUL 61
ATTILA SIMON	H	39	8 40.6	(1)	BUDAPEST	26 JUN 60	ZDZISLAW KRZYSZKOWIAK	PL	29	28 52.4	(2)	MELBOURNE	23 NOV 56
ADOLF ALEKSIEJUNAS	SU	37	8 40.6	(4)	MOSCOW	11 AUG 63	DON TAYLOR	GB	36	28 52.4	(1)	LONDON	23 AUG 63
LASZLO JEZENSZKY	H	27	8 40.8	(1)	BUDAPEST	16 JUL 56	JOHN HERRIMAN	GB	36	28 52.6	(8)	ROME	8 SEP 60

GYULA VARGA	H	34	8 40.8	(1)	BUDAPEST	7 SEP 58	ALLAN LAWRENCE	AUS	30	28 53.6	(3)	MELBOURNE	23 NOV 56
PHIL COLEMAN	USA	31	8 40.8	(3)	WARSAW	2 AUG 58	EMIL ZATOPEK	CS	22	28 54.2	(1)	BRUSSELS	1 JUN 54
VLADIMIR KOMAROV	SU	37	8 40.8	(5)	MOSCOW	11 AUG 63	MAMO WOLDE	ETH	28	28 55.6	(1)	BERLIN	9 JUN 62
CHRIS BRASHER	GB	28	8 41.2	(1)	MELBOURNE	29 NOV 56	BASIL HEATLEY	GB	33	28 55.8	(1)	LONDON	13 SEP 63
GUNNAR TJORNEBO	S	27	8 41.2	(2)	HALSINGBORG	30 AUG 61							
ERNIE POMFRET	GB	41	8 41.6	(4)	VOLGOGRAD	29 SEP 63	ALEKSANDR ARTINYUK	SU	35	28 58.0	(1)	MOSCOW	3 JUL 60
FRED DORING	D	33	8 41.8	(2)	JENA	1 SEP 63	YEVGENIY ZHUKOV	SU	30	28 58.6	(2)	STOCKHOLM	19 AUG 58
EDUARD SIROMOLOTOV	SU	38	8 42.0	(7)	MOSCOW	11 AUG 63	ABEGE BIKILA	ETH	32	29 00.8	(2)	BERLIN	9 JUN 62
VLASTIMIL BRILICA	CS	28	8 42.2	(2)	BUDAPEST	7 SEP 58	MELVYN BATTY	GB	40	29 01.0	(2)	LONDON	13 SEP 63
FRIEDRICH JANKE	D	31	8 42.2	(1)	POTSDAM	5 OCT 61	BRUCE TULLOH	GB	35	29 01.4	(1)	OSLO	3 JUL 62
ERNEST LARSEN	N	26	8 42.4	(1)	TRONDHEIM	5 SEP 56	FRIEDRICH JANKE	D	31	29 01.6	(2)	BELGRADE	12 SEP 62
ILKA AUER	SF	30	8 42.4	(3)	BUDAPEST	20 OCT 56	MARTIN HYMAN	GB	33	29 02.0	(1)	LONDON	19 SEP 61
GERHART HECKER	H	33	8 42.4	(3)	BUDAPEST	7 SEP 58	ROY FOWLER	GB	34	29 02.0	(3)	BELGRADE	12 SEP 62
GEMNADII RYEPIN	SU	30	8 42.4	(5)	MOSCOW	17 JUL 60	NIKOLAY PUDOV	SU	30	29 02.2	(3)	STOCKHOLM	19 AUG 58
CHARLES JONES	USA	34	8 42.4	(1)	BERLIN	5 AUG 61	STANLEY ELDON	GB	36	29 02.8	(4)	STOCKHOLM	19 AUG 58
YURIY KARTASHOV	SU	34	8 42.6	(5)	MOSCOW	11 AUG 62							
HENRICH MISERSKY	D	40	8 42.6	(1)	POTSDAM	7 SEP 63	YURIY ZAKHAROV	SU	33	29 03.0	(2)	MOSCOW	2 JUL 61
EDWARD SZKLARCZYK	PL	41	8 43.0	(2)	MOSCOW	15 SEP 63	STANISLAW OZOG	PL	33	29 03.2	(5)	STOCKHOLM	19 AUG 58
VASILIIY VLAŠENKO	SU	28	8 43.2	(4)	TALLINN	21 JUL 58	GEORGE KNIGHT	GB	33	29 06.4	(1)	WARSAW	7 SEP 57
TREVOR VINCENT	AUS	38	8 43.4	(1)	PERTH	24 NOV 62	LEMBIT VIRKUS	SU	32	29 06.4	(1)	MOSCOW	25 AUG 58

BORIS BANTLYE	SU	36	8 43.4	(3)	KIEV	7 SEP 63	YURIY NIKITIN	SU	37	29 07.0	(2)	MOSCOW	11 AUG 62
PAT TRAYNOR	USA	41	8 43.6	(1)	WARSAW	27 JUL 63	BORIS YEFIMOV	SU	35	29 07.2	(2)	MOSCOW	16 AUG 61
OLE ELLEFSAETHER	N	39	8 43.8	(1)	OSLO	26 JUN 62	GASTON ROELANTS	B	37	29 07.2	(1)	PARDUBICE	24 SEP 63
LUDEWIG MULLER	D	32	8 44.0	(1)	WARSAW	2 OCT 60	FRANC CERVAN	YU	36	29 07.6	(7)	BELGRADE	12 SEP 62
JOHN DISLEY	GB	28	8 44.2	(1)	MOSCOW	11 SEP 55	FAIZ KHUZIN	SU	34	29 08.0	(3)	MOSCOW	16 AUG 61
OLAVI RINTENPAA	SF	24	8 44.4	(1)	HELSINKI	2 JUL 53							
HEINZ LAUFER	D	25	8 44.4	(4)	MELBOURNE	29 NOV 56	GERHARD HONICKE	D	30	29 08.6	(2)	SCHWEINFURT	17 JUL 60
DIETER HARTMANN	D	38	8 44.6	(1)	POTSDAM	7 SEP 63	JERZY CHROMIK	PL	31	29 10.0	(1)	WARSAW	9 SEP 56

FAULTY WATER JUMP							ALAN MIMOUN	F	21	29 13.4	(2)	WARSAW	9 SEP 56
PENTTI KARVONEN	SF	31	8 41.4	(1)	DORTMUND	19 SEP 54	MICHAEL BULLIVANT	GB	34	29 13.4	(8)	BELGRADE	12 SEP 62

5000 METERS (3 MILES 188.06 YARDS)

VLADIMIR KUTS	SU	27	13 35.0	(1)	ROME	13 OCT 57	KOKICHI TSUBURAYA	J	40	29 13.8	(3)	KITA-KYUSHU	10 NOV 63
MURRAY HALBERG	NZ	33	13 35.2	(1)	STOCKHOLM	25 JUL 61	ARERE ANENTIA	KEN	31	29 14.0	(3)	HELSINKI	6 JUL 61
GORDON PIRIE	GB	31	13 36.8	(1)	BERGEN	19 JUN 56	IVAN CHERNYAVSKIY	SU	30	29 14.6	(1)	KIEV	2 OCT 55
PYOTR BOLOTNIKOV	SU	30	13 38.2	(1)	KIEV	7 OCT 60	GORDON PIRIE	GB	31	29 15.2	(10)	ROME	8 SEP 60
BARRY MAGEE	NZ	34	13 39.2	(2)	STOCKHOLM	25 JUL 61	PETER KUBICKI	D	38	29 15.4	(2)	FRANKFURT M	14 OCT 62
SANDOR IHAROS	H	30	13 40.6	(1)	BUDAPEST	23 OCT 55	MIKLOS SZABO	H	28	29 15.8	(3)	LONDON	7 AUG 61
FRIEDRICH JANKE	D	31	13 42.4	(1)	BERLIN	5 SEP 59	HUBERT PARNAKIVI	SU	32	29 17.4	(5)	MOSCOW	7 JUL 58
BRUCE KIDD	CND	43	13 43.8	(1)	COMPTON	2 JUN 62	JANOS SOVAK	H	32	29 18.8	(2)	BUDAPEST	14 JUL 63
KAZIMIERZ ZIMNY	PL	35	13 44.4	(2)	BERLIN	5 SEP 59	XAVIER HOGER	D	30	29 19.0	(1)	HELSINKI	17 JUN 60
HANS GRODOTZKI	D	36	13 44.6	(2)	ROME	2 SEP 60	ANATOLIY SKRIPNIK	SU	37	29 19.8	(2)	YALTA	28 SEP 63

JIM BEATTY	USA	34	13 45.0	(1)	TURKU	24 AUG 62	MARTIN LAUER	D	37	13.2	(1)	ZURICH	7 JUL 59
GASTON ROELANTS	B	37	13 45.6	(1)	TORHOUT	9 SEP 63	LEE CALHOUN	USA	33	13.2	(1)	BERN	21 AUG 60
SIEGFRIED HERRMANN	D	32	13 46.2	(1)	BUCHAREST	12 OCT 63	JERRY TARR	USA	39	13.3	(1)	EUGENE ORE	19 MAY 62
JOZSEF KOVACS	H	26	13 47.6	(1)	BUDAPEST	21 AUG 59	JACK DAVIS	USA	31	13.4	(1)	BAKERSFIELD	22 JUN 56
STANLEY ELDON	GB	36	13 47.8	(1)	TURKU	15 SEP 59	WILLIE MAY	USA	37	13.4	(1)	WALNUT CAL	12 AUG 60
YURIY TYURIN	SU	37	13 48.2	(1)	MOSCOW	15 AUG 63	MILTON CAMPBELL	USA	33	13.4	(1)	COMPTON	31 MAY 57
SVEN-OLUF LARSSON	S	38	13 49.2	(1)	STOCKHOLM	9 JUL 63	ELIAS GILBERT	USA	36	13.4	(2)	COMPTON	31 MAY 57
LEONID IVANOV	SU	37	13 49.2	(2)	MOSCOW	15 AUG 63	HAYES JONES	USA	38	13.4	(2)	WALNUT CAL	22 JUN 62
VALENTIN SAMOILOV	SU	37	13 49.4	(3)	MOSCOW	15 AUG 63	RICHARD ATTLESEY	USA	29	13.5	(1)	HELSINKI	10 JUL 50
MAX TRUOX	USA	35	13 49.6	(2)	COMPTON	2 JUN 62	BLAINE LINDGREN	USA	38	13.5	(2)	ST LOUIS	21 JUN 63

HARRISON DILLARD	USA 23	13.6 Y	(1)	LAWRENCE	17 APR 48	CHARLES MOORE	USA 29	50.7	(1)	LOS ANGELES	27 JUN 52
FRAN WASHINGTON	USA 36	13.6 Y	(2)	NEW YORK	24 JUN 61	IGOR ILIN	SU 28	50.7	(1)	KIEV	28 JUL 56
FORREST TOWNS	USA 14	13.7	(1)	OSLO	27 AUG 36	TOM WYATT	USA	50.7 C	(6)	ALBUQUERQUE	15 JUN 63
FRED WOLCOTT	USA 17	13.7	(1)	PHILADELPHIA	29 JUN 41	GEORGIY CHEVICHALOV	SU 35	50.7	(2)	MOSCOW	2 JUL 61
CHARLES COBB	USA 36	13.7	(1)	QUANTICO VA	11 JUN 60	KIMARU SONGOK	KEN	50.7 C	(1)	NAKURU	25 AUG 62
JOEL SHANKLE	USA 33	13.7 Y	(2)	SANGER CAL	9 JUN 56	JOHAN SWART	ZA 36	50.7 C	(2)	BLOEMFONTEIN	23 OCT 63
DON STYRON	USA 40	13.7 Y	(2)	MODESTO CAL	27 MAY 61	JUSSI RINTAMAKI	SF 35	50.8	(5)	ROME	2 SEP 60
RALPH BYSTON	USA 39	13.7 Y	(1)	SIoux FALLS SD	3 JUN 61	JAY LUCK	USA 40	50.8 C	(4)	WALNUT CAL	22 JUN 62
RUSS ROGERS	USA 39	13.7 Y	(1)	SIoux FALLS	1 JUN 63	LAWSON SMART	USA 39	50.9 C	(3)	NEW YORK	24 JUN 61
CRAIG DIXON	USA 26	13.8	(1)	FRESNO	25 JUN 49	BORIS KRIJUNOV	SU 35	50.9	(2)	MOSCOW	13 AUG 62
ROBERT MATHIAS	USA 30	13.8	(1)	ZURICH	12 AUG 52	PER-OVE TROLLSAS	S 33	51.0	(1)	STOCKHOLM	21 AUG 58
CHARLES PRATT	USA 33	13.8	(1)	COMPTON	6 JUN 56	THOMAS FARRELL	GB 32	51.0	(1)	LONDON	15 JUN 60
RAFER JOHNSON	USA 35	13.8	(2)	BERKELEY	16 JUN 56	BRUNO GALLIKER	CH 31	51.0	(1)	ROME	31 AUG 60
KEITH GARDNER	JAM 29	13.8	(1)	GOTEBOURG	28 AUG 58	CHRISTOPHER SURETY	GB 37	51.0	(2)	DORTMUND	2 SEP 61
STANKO LORGER	YU 31	13.8	(1)	CELJE	6 SEP 58	BILLY HARDIN	USA 42	51.0 C	(1)	HOUSTON	8 JUN 63
RAY CUNNINGHAM	USA 40	13.8	(3)	HOUSTON	10 JUN 60	ROY COCHRAN	USA 19	51.1	(1)	LONDON	31 JUL 48
CHOU LIEN-LI	RC 36	13.8	(1)	CANTON	13 NOV 60	MORENO MARTINI	I 35	51.1	(1)	ROME	11 OCT 59
VALENTIN CHISTYAKOV	SU 39	13.8	(1)	ZAGREB	10 JUN 61	BOBBY STATEN	USA 38	51.1 C	(2)	PHILADELPHIA	17 JUN 61
BOYCE GATEWOOD	USA 17	13.8 Y	(2)	AUSTIN	3 MAY 40	KEN ROCHE	USA 41	51.1 C	(1)	SYDNEY	19 MAR 62
BILLY ANDERSON	USA 29	13.8 Y	(2)	COMPTON	3 JUN 49	KEIKI IJIMA	J 38	51.1 C	(1)	FUJISAWA	13 JUL 62
WILLARD THOMSON	USA 32	13.8 Y	(1)	EVANSTON ILL	14 MAY 55	BILL WASHINGTON	USA 40	51.1 C	(1)	DEJ MOINES	26 APR 63
FRANCIS WASHINGTON	USA 36	13.8 Y	(1)	BALTIMORE	10 MAY 58	FRANCIS WASHINGTON	USA 36	51.2 C	(1)	SAN DIEGO	7 JUN 58
DAVID EDSTROM	USA 38	13.8 Y	(1)	EUGENE ORE	30 APR 60	MARTIN LAUER	D 37	51.2	(2)	COLOGNE	29 AUG 58
JIM BALL	USA 33	13.8 Y	(1)	SUNNYVALE CAL	20 MAY 61	ALEKSEY KLYENIN	SU 36	51.2	(1)	MOSCOW	5 JUL 59
BOB PIERCE	USA 41	13.8 Y	(2)	COMPTON	2 JUN 61	ROY THOMPSON	USA 35	51.2	(3)	BAKERSFIELD	24 JUN 60
BEN MCRAE	USA 39	13.8 Y	(1)	NEW YORK	24 JUN 61	BARTONJO ROTICH	KEN 37	51.2	(2)	ROME	31 AUG 60
BARNEY ALLEN	USA 39	13.8 Y	(5)	NEW YORK	24 JUN 61	JOHN BETHEA	USA 42	51.2 C	(1)	BALTIMORE	6 MAY 63
STEVE CORTRIGHT	USA 42	13.8 Y	(1)	ALBUQUERQUE	13 JUN 63	RAY HILBURN	USA	51.2 C	(1)	ABILENE	18 MAY 63
JOE BASTISTE	USA 19	13.9	(2)	PHILADELPHIA	29 JUN 41	BOGDAN GIERAJEWSKI	PL 37	51.2	(2)	MOSCOW	15 SEP 63
WILLIAM PORTER	USA 26	13.9	(1)	EVANSTON	10 JUL 48	JOACHIM SINGER	D 42	51.2	(2)	MOSCOW	15 SEP 63
JAMES GEHROES	USA 25	13.9	(2)	COLLEGE PARK M	24 JUN 50	VALERIY BRUMEL	SU 42	228	7 5 3/4 (1)	MOSCOW	21 JUL 63
WILLIAM CURTIS	USA 33	13.9	(1)	CORPUS CHRISTI	2 JUN 56	JOHN THOMAS	USA 41	223	7 3 3/4 (1)	PALO ALTO	1 JUL 60
JACOBUS SWART	ZA 31	13.9	(3)	COLOGNE	9 JUL 58	NI CHIH-CHIN	RC 42	220	7 2 5/8 (1)	PEKING	17 AUG 63
GUNTHER BRAND	D 37	13.9	(4)	COLOGNE	9 JUL 58	ANTHONY SNEAZWELL	AUS 42	220	7 2 5/8 (1)	TOKYO	14 OCT 63
REX CAWLEY	USA 40	13.9	(1)	OSLO	31 JUL 59	JOE FAUST	USA 42	216.5	7 1 1/4 (1)	NORWALK CAL	19 APR 62
JAMES BALL	USA 33	13.9	(3)	PHILADELPHIA	30 APR 60	ROBERT SHAVLAKDZE	SU 33	216	7 1 (1)	ROME	1 SEP 60
JIM JOHNSON	USA 38	13.9	(1)	BERKELEY	17 JUN 60	VIKTOR BOLSHOV	SU 39	206	7 1 (1)	GROZNYI	28 OCT 61
GIOVANNI CORNACCHIA	I 39	13.9	(1)	GORIZIA	5 AUG 62	STIG PETERSSON	S 35	216	7 1 (1)	STOCKHOLM	23 AUG 62
ALEKSANDR KONTARYEV	SU 38	13.9	(1)	LENINGRAD	23 MAR 63	CHARLES DUMAS	USA 37	215	7 5/8 (1)	LOS ANGELES	29 JUN 56
KLAUS WILLIMCZIK	D 40	13.9	(1)	BERLIN	30 JUN 63	GENE JOHNSON	USA 41	215	7 5/8 (2)	MOSCOW	21 JUL 63
MARCEL DURIEZ	F 40	13.9	(1)	BERN	4 JUL 63	COLIN RIDGWAY	AUS 39	214.5	7 1/2 (2)	LAREDO	10 MAR 62
MICHEL CHARDEL	F 32	13.9	(1)	LE HAVRE	8 SEP 63	LEW HOYT	USA 43	214.5	7 1/2 (1)	LOS ANGELES	23 FEB 63
VIKTOR BALIKHIN	SU 38	13.9	(1)	YALTA	2 OCT 63	BOB AVANT	USA 39	213	7 (1)	WALNUT CAL	29 APR 61
MICHAEL PARKER	GB 38	13.9	(1)	BUDAPEST	2 OCT 63	BOB GARDNER	USA 35	213	7 (1)	NASHVILLE	15 MAY 62
GHULAM RAZIO	PAK 32	13.9	(1)	RAWALPINDI	21 DEC 63	OTIS BURRELL	USA 44	213	7 (2)	WALNUT CAL	18 MAY 63
EDWARD DUGGER	USA 19	13.9 Y	(1)	MINNEAPOLIS	22 JUN 40	JOHN RAMBO	USA 43	213	7 (1)	WALNUT CAL	18 MAY 63
CHARLES HLAD	USA 20	13.9 Y	(1)	MEMPHIS	10 MAY 42	PAUL STUBER	USA 41	213	7 (2)	ST LOUIS	22 JUN 63
LLOYD DUFF	USA 24	13.9 Y	(1)	ST COLL PA	1 MAY 48	GERD DUHRKOP	D 42	213	6 11 7/8 (1)	POTSDAM	4 AUG 62
WILLIAM FLEMING	USA 27	13.9 Y	(1)	NEW ORLEANS	1 JAN 50	EDWARD CZERNIK	PL 40	213	6 11 7/8 (1)	ZIELONA GORA	7 OCT 62
YANG CHUAN KWANG	FOR 33	13.9 Y	(1)	WALNUT CAL	18 MAR 60	WALTER DAVIS	USA 31	212.5	6 11 5/8 (1)	DAYTON	27 JUN 53
DAVE ODEGARD	USA 39	13.9 Y	(1)	DES MOINES	30 APR 60	YURIY STYEPANOV	SU 32	212	6 11 1/2 (1)	MOSCOW	28 JUL 58
CARL BROWN	USA 36	13.9 Y	(1)	BALTIMORE	14 MAY 60	RICKARD DAHL	S 33	212	6 11 1/2 (1)	STOCKHOLM	24 AUG 58
WALT ARLT	USA 37	13.9 Y	(1)	EUGENE ORE	30 MAY 60	IGOR KASHKAROV	SU 33	212	6 11 1/2 (1)	WARSAW	27 JUN 59
BRIAN POLKINGHORNE	USA 41	13.9 Y	(1)	EUGENE	6 APR 63	KJELL-AKE NILSSON	S 42	212	6 11 1/2 (1)	KARLSTAD	3 SEP 63
JOHN PTHEA	USA 42	13.9 Y	(2)	QUANTICO VA	4 MAY 63	ERNIE SHELTON	USA 32	211.5	6 11 1/4 (1)	LOS ANGELES	10 JUN 55
CHARLES MOSELEY	USA 41	13.9 Y	(1)	BIRMINGHAM	18 MAY 63	FLOYD SMITH	USA 35	211.5	6 11 1/4 (1)	CHICAGO	23 JUN 57
BOB GREEN	USA 42	13.9 Y	(1)	HOUSTON	8 JUN 63	BENGT NILSSON	S 34	211	6 11 1/8 (1)	GOTEBOURG	19 SEP 54
GARRY DOLBOW	USA 40	13.9 Y	(3)	ST LOUIS	21 JUN 63	ED COSTA	USA 40	211	6 11 1/8 (1)	PROVO	23 APR 60
MARKS MADE WITH ASSISTING WIND						HENRIK HLEBAN	SF 39	211	6 11 1/8 (1)	SAARIJARVI	23 JUN 63
CLYDE SCOTT	USA 24	13.7	(1)	MINNEAPOLIS	19 JUN 48	VIKTOR SLABCHUK	SU 37	211	6 11 1/8 (1)	KIEV	15 SEP 63
WILLARD THOMSON	USA 32	13.7 Y	(1)	EVANSTON ILL	14 MAY 55	IDRISI MAHAMAT	CHA 42	211	6 11 1/8 (1)	FT ARCHAMBAULT	OCT 63
CHARLES PRATT	USA 33	13.7 Y	(1)	FT HOOD TEX	15 JUN 57	CORNEL PORUMB	R 39	211	6 11 1/8 (1)	PLEOSTI	9 JUN 63
RAY CUNNINGHAM	USA 40	13.7 Y	(1)	HOUSTON	13 MAY 61	LEES STEERS	USA 17	210.5	6 11 (1)	LOS ANGELES	17 JUN 41
BEN MCRAE	USA 39	13.7 Y	(1)	IOWA CITY	20 MAY 61	HENRY WYBORNEY	USA 40	210.5	6 11 (1)	EUGENE	2 APR 60
WILLIAM PORTER	USA 26	13.8	(2)	MINNEAPOLIS	19 JUN 48	PERCY HOBSON	AUS 42	210.5	6 11 (1)	PERTH	24 NOV 62
ED ROBERTS	USA 34	13.8 Y	(1)	TULSA	12 MAY 56	ROGER OLSEN	USA 42	210.5	6 11 (3T)	ST LOUIS	22 JUN 63
MEL RENFRO	USA 41	13.8 Y	(2)	EUGENE	16 JUN 62	DON STEWART	USA 37	210.5	6 10 7/8 (1)	AUSTIN	11 MAY 57
BO FORSSANDER	S 42	13.9	(1)	KOJAVE	7 AUG 61	TEODORO FLORES PALACIOS	GUA	210.5	6 10 7/8 (1)	QUEZALTENANGO	26 FEB 60
PETE OWENS	USA 20	13.9 Y	(1)	AUSTIN	5 APR 41	CHARLES PORTER	AUS 36	210	6 10 3/4 (2)	MELBOURNE	23 NOV 56
EDDIE SOUTHERN	USA 38	13.9 Y	(1)	DALLAS	18 APR 57	JIRI LANSKY	CS 33	210	6 10 3/4 (2)	STOCKHOLM	24 AUG 58
DICK DURHAM	USA 39	13.9 Y	(?)	LAFAYETTE LA	9 APR 60	BORIS RIBAK	SU 34	210	6 10 3/4 (1)	ODESSA	18 JUL 59
DAVE ODEGARD	USA 39	13.9 Y	(2)	UOWA CITY	20 MAY 61	EERO SALMINEN	SF 33	210	6 10 3/4 (1)	HELSINKI	16 AUG 59
RON MOORE	USA 40	13.9 Y	(1)	BALTIMORE	27 MAY 61	VASILY KHOROSHILOV	SU 39	210	6 10 3/4 (1)	YALTA	11 OCT 59
BOB JOHNSON	USA 41	13.9 Y	(1)	FAYETTEVILLE	11 MAY 63	BORIS INYAKHIN	JU 40	210	6 10 3/4 (1)	LENINGRAD	28 MAR 61
DOUBTFUL TIMING						PETER RIEBENSAMH	D 38	210	6 10 3/4 (1)	BREMERHAVEN	17 SEP 61
BRIAN POLKINGHORNE	USA 41	13.8 Y	(1)	LOS ANGELES	14 JUL 62	KUNIYOSHI SUGIOKA	J 42	210	6 10 3/4 (1)	CHORZOW	21 JUN 62
400 METER HURDLES (437.44 YARDS)						HENRI ELENDE	CON 41	210	6 10 3/4 (1)	BRAZZAVILLE	15 MAR 63
GERHARDUS POTGIETER	ZA 37	49.0 C	(1)	BLOEMFONTEIN	16 APR 60	GENNADIY YEFIMOV	SU 37	210	6 10 3/4 (1)	KIEV	7 SEP 63
GLENN DAVIS	USA 34	49.2	(1)	BUDAPEST	6 AUG 58	BERTIL HOLMGREN	S 33	209.5	6 10 1/2 (1)	DALLAS	10 MAY 58
SALVATORE MORALE	I 38	49.2	(1)	BELGRADE	14 SEP 62	PHIL FEHLEN	USA 35	209.5	6 10 1/2 (2)	PALO ALTO	9 DEC 61
REX CAWLEY	USA 40	49.3 C	(1)	ALBUQUERQUE	15 JUN 63	HANS ALBERTSSON	S 40	209.5	6 10 1/2 (1)	SEATTLE	23 APR 62
CLIFTON CUSHMAN	USA 38	49.6	(2)	ROME	2 SEP 60	ROY HICKS	USA 42	209.5	6 10 1/2 (1)	CORPUS CHRISTI	23 MAR 63
EDDIE SOUTHERN	USA 38	49.7	(2)	LOS ANGELES	29 JUN 56	WILLIAM STEWART	USA 21	209	6 10 3/4 (1)	PROVO	26 APR 41
DICK HOWARD	USA 35	49.7	(3)	ROME	2 SEP 60	MELVIN WALKER	USA 14	209	6 10 1/4 (1)	MALMO	12 AUG 37
DON STYRON	USA 40	49.8 C	(3)	ALBUQUERQUE	18 JUN 60	NORMAN GRUNDY	USA 39	209	6 10 1/4 (1)	LOS ANGELES	19 MAR 60
HELMUT JANZ	D 34	49.9	(4)	ROME	2 SEP 60	KANG CHU-PEI	RC 39	209	6 10 1/4 (1)	PEKING	20 AUG 60
JERRY TARR	USA 39	50.0 C	(1)	EUGENE ORE	16 JUN 62	DJORDJE MATJAN	YU 39	209	6 10 1/4 (1)	LJUBLJANA	12 AUG 61
RON WHITNEY	USA 42	50.0 C	(2)	ALBUQUERQUE	15 JUN 63	PIOTR SOBOTTA	PL 40	209	6 10 1/4 (1)	CRACOW	3 JUN 62
FERDINAND HAAS	D 40	50.0	(2)	AUGSBURG	11 AUG 63	LEONID GLAZKOV	SU 37	209	6 10 1/4 (1)	KIEV	24 JUN 62
JIM ALLEN	USA 41	50.1	(2)	HANNOVER	1 AUG 63	VASILY KHOROSHILOV	SU 39	209	6 10 1/4 (3)	MOSCOW	11 AUG 62
JOSH CULBREATH	USA 32	50.2	(1)	OSLO	9 AUG 57	TERRY LLEWELLYN	USA 42	209	6 10 1/4 (1)	EUGENE	27 APR 63
WILLIE ATTERBERRY	USA 34	50.2 C	(1)	WALNUT CAL	22 JUN 62	VALDMIR SITKIN	SU 34	209	6 10 1/4 (1)	KIEV	12 MAY 63
JUAN DYRZKA	ARG 41	50.2	(1)	Sao PAULO	1 MAY 63	VALERIY SKVORTSOV	SU 45	209	6 10 1/4 (1)	ZHITOMIR	31 AUG 63
DAVID LEAN	AUS 35	50.3 C	(2)	CARDIFF	22 JUL 58	MAURO BOGLIATTO	I 43	209	6 10 1/4 (2)	PORTO ALEGRE	8 SEP 63
JORG NEUMANN	D 41	50.3	(2)	BELGRADE	14 SEP 62	EUGEN DUCU	R 42	209	6 10 1/4 ()		63
YURIY LITUYEV	SU 25	50.4	(1)	BUDAPEST	20 SEP 53	MADE WITH A BUILT-UP SHOE					
ROBERTO FRINOLLI	I 40	50.4	(1)	BRUSSELS	25 AUG 63	YURIY STYEPANOV	SU 32	206	7 1 (1)	LENINGRAD	13 JUL 57
ANATOLIY YULIN	SU 29	50.5	(1)	BERN	29 AUG 54	VALDMIR SITKIN	SU 34	215	7 5/8 (1)	ODESSA	29 SEP 57
AUBREY LEWIS	USA 35	50.5	(1)	COLOGNE	31 JUL 57	IGOR KASHKAROV	SU 33	214	7 1/4 (1)	MOSCOW	8 AUG 57
DIXON FARMER	USA 41	50.5 C	(1)	PHILADELPHIA	17 JUN 61						
TIM MILLER	USA 43	50.5 C	(4)	ALBUQUERQUE	15 JUN 63						
JOHN COOPER	GB 40	50.5	(1)	VOLGOGRAD	29 SEP 63						
JOHN HARDIN	USA 10	50.6	(1)	STOCKHOLM	26 JUL 34						
RUSS ROGERS	USA 39	50.6	(1)	ZURICH	10 JUL 62						
VASILY ANISIMOV	SU 38	50.6	(1)	MOSCOW	13 AUG 62						
CHRIS STAUFFER	USA 41	50.6 C	(1)	ALBUQUERQUE	14 JUN 63						

MADE FROM BOARD TAKEOFF

GEORGE DENNIS	USA 34	210.5	6	11	(2)	NEW YORK	21 FEB 59
KEN WIESNER	USA 25	210	6	10	3/4 (1)	CHICAGO	28 MAR 53
HERMAN WYATT	USA 31	209	6	10	1/4 (1)	BOSTON	29 JAN 55
PHIL REAVIS	USA 36	209	6	10	1/4 (1)	CHICAGO	14 MAR 58
LEANDER DURLLEY	USA 43	209	6	10	1/4 (1)	KANSAS CITY	9 FEB 63

MADE IN EXTRA TRIAL

CHARLES DUMAS	USA 37	215	7	3/4 (1)		LOS ANGELES	1 NOV 56
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POLE VAULT

JOHN PENNEL	USA 40	5.20	17	3/4 (1)		CORAL GABLES	24 AUG 63
BRIAN STERNBERG	USA 43	5.08	16	8	(1)	COMPTON	7 JUN 63
RON MORRIS	USA 35	5.02	16	5	3/4 (1)	MIKKELI	25 AUG 63
PENTTI NIKULA	SF 39	5.00	16	5	(1)	PORI	5 MAY 63
YANG CHUAN KWANG	FOR 33	5.00	16	5	(1)	BREMERHAVEN	20 JUL 63
JOHN UELSES	USA 37	4.95	16	3	(2)	WARSAW	26 JUL 63
DON MEYERS	USA 40	4.94	16	2	1/2 (1)	FORT COLLINS	25 MAY 63
DAVE TORK	USA 34	4.93	16	2	(1)	WALNUT CAL	28 APR 62
WOLFGANG REINHARDT	D 43	4.92	16	1	3/4 (1)	AUGSBURG	10 AUG 63
WARREN BRATTLOF	USA 43	4.91	16	1	1/4 (1)	HOUSTON	8 JUN 63

FRED HANSEN	USA 40	4.90	16	1	(1)	AUSTIN	6 APR 63
GERALD PRATT	USA 41	4.89	16	1	1/2 (1)	HOUSTON	23 MAR 63
JOHN ROSE	USA 41	4.89	16	1	1/2 (2)	LOS ANGELES	17 MAY 63
ROLANDO CRUZ	PR 39	4.89	16	1	2 (4)	ST LOUIS	21 JUN 63
MAURICE HOUVIN	F 34	4.87	15	11	3/4 (1)	COLOMBES	28 JUL 63
MANFRED PREUSSGER	D 32	4.85	15	11	(1)	JENA	1 SEP 63
RUDOLF TOMASEK	CS 37	4.85	15	11	(1)	KIEV	15 SEP 63
GEORGE DAVIES	USA 40	4.83	15	10	1/4 (1)	BOULDER	20 MAY 61
KAUKO NYSTROM	SF 33	4.83	15	10	1/4 (1)	MANTTA	23 JUL 63
BOB GUTOWSKI	USA 35	4.82	15	9	3/4 (1)	AUSTIN	15 JUN 57

DICK PLYMALE	USA 42	4.82	15	9	3/4 (1)	WEST POINT	19 MAY 62
JOHN CRAMER	USA 41	4.82	15	9	3/4 (3)	ALBUQUERQUE	15 JUN 63
BOB WATSON	CND	4.82	15	9	3/4 (5)	ALBUQUERQUE	15 JUN 63
DON BRAGG	USA 35	4.80	15	9	1/4 (1)	PALO ALTO	2 JUL 60
JANUSZ GRONOWSKI	PL 35	4.80	15	9	(2)	LAHTI	1 MAY 63
MEL HEIN	USA 41	4.80	15	9	(2)	BERKELEY	25 MAY 63
MIKE FLANAGAN	USA 41	4.80	15	9	(4)	MODESTO	25 MAY 63
TAISTO LAITINEN	SF 33	4.80	15	9	(1)	OULU	21 AUG 63
RISTO ANKIO	SF 37	4.80	15	9	(2)	MIKKELI	25 AUG 63
PETER LAUFER	D 36	4.80	15	9	(2)	JENA	1 SEP 63

CORN BELITZA	USA 40	4.78	15	8	1/4 (4)	WALNUT CAL	23 JUN 62
CORNELIUS WARMERDAM	USA 15	4.77	15	7	3/4 (1)	MODESTO	23 MAY 42
JEFF CHASE	USA 40	4.75	15	7	(1)	PALO ALTO	2 MAR 63
HENRY WADSWORTH	USA 37	4.75	15	7	(2)	SAO PAULO	27 APR 63
ROMAN LESSEK	YU 37	4.75	15	7	(1)	NAPLES	28 SEP 63
DIMITR KHLEBAROV	BG 34	4.73	15	6	1/4 (1)	BYDGOSZCZ	22 SEP 63
WOLFGANG NORDWIG	D 43	4.73	15	6	1/4 (1)	JENA	31 OCT 63
DEXTER ELKINS	USA 40	4.72	15	6	(1)	DALLAS	2 FEB 62
PER OLOF JONASSON	SF 34	4.72	15	5	3/4 (2)	HELSINKI	23 AUG 63
REINER SCHMELZ	D 40	4.72	15	5	3/4 (2)	BERLIN	30 JUN 63

ROGER OLANDER	USA	4.71	15	5	1/2 (1)	MANHATTAN KANS	16 MAR 63
BOB RICHARDS	USA 26	4.70	15	5	(1)	SANTA ANA CAL	27 OCT 56
AUBREY DOOLEY	USA 38	4.70	15	5	(1)	NORMAN OKLA	19 MAY 59
JIM GRAHAM	USA 35	4.70	15	5	(1)	NORMAN OKLA	19 MAY 59
JOE HARRIS	USA 38	4.70	15	5	(1)	BATON ROUGE	28 APR 62
BAYLUS BENNETT	USA 40	4.70	15	5	(1)	AUSTIN	3 MAY 62
PRESTON HOLINGER	USA	4.70	15	5	(1)	STILLWATER OKLA	23 APR 63
GUNTHER MALCHER	D 34	4.70	15	5	(1)	POTSDAM	1 JUL 63
WLODZIMIERZ SOKOLOWSKI	PL 42	4.70	15	5	(3)	WARSAW	26 JUL 63
GENNADIY BLIZNYETSOV	SU 41	4.70	15	5	(1)	MOSCOW	13 AUG 63

HERVE D ENCAUSSE	F 43	4.70	15	5	(1)	CHAMBERY	15 SEP 63
KLAUS LEHNERTZ	D 38	4.70	15	5	(1)	BREMEN	28 SEP 63
PAVEL JINDRA	CS 44	4.70	15	5	(2)	PRAGUE	10 OCT 63
J D MARTIN	USA 39	4.67	15	4	(1)	AMES IA	21 MAY 60
DICK GEAR	USA 38	4.67	15	4	(1)	PHILADELPHIA	17 JUN 61
JIM BREWER	USA 38	4.67	15	4	(1)	PHILADELPHIA	17 JUN 61
AULIS KAIRENTO	SF 43	4.67	15	4	(1)	KUOPIO	10 JUL 63
WLODZIMIERZ OSINSKI	PL 42	4.67	15	4	(1)	POZNAN	13 OCT 63

CROSS BAR ILLEGALLY PLACED

PENTTI NIKULA	SF 39	5.01	16	5	1/4 (1)	KAUHAWA	21 JUN 63
J D MARTIN	USA 39	4.82	15	9	3/4 (1)	NOR IAN OKLA	12 APR 60

MADE FROM BOARD RUNWAY

PENTTI NIKULA	SF 39	5.10	16	8	3/4 (1)	PAIJULAHTI	2 FEB 63
DAVE TORK	USA 34	4.93	16	2	1/4 (1)	TORONTO	25 JAN 63
ROLANDO CRUZ	PR 39	4.90	16	1	(1)	NEW YORK	9 MAR 63
JOHN BELITZA	USA 40	4.89	16	1	1/2 (1)	BOSTON	26 JAN 63
DON BRAGG	USA 35	4.81	15	9	1/2 (1)	PHILADELPHIA	13 FEB 59
CORNELIUS WARMERDAM	USA 15	4.78	15	8	1/2 (1)	CHICAGO	20 MAR 43
HENRY WADSWORTH	USA 37	4.76	15	7	1/2 (1)	BALTIMORE	9 FEB 63
J D MARTIN	USA 39	4.75	15	7	1/4 (1)	KANSAS CITY	27 FEB 60
DEXTER ELKINS	USA 40	4.73	15	6	1/2 (1)	HOUSTON	12 JAN 62
BOB RICHARDS	USA 26	4.72	15	6	(1)	NEW YORK	9 FEB 57
MICK BALLER	USA 40	4.72	15	6	(1)	MILWAUKEE	9 MAR 63
AULIS KAIRENTO	SF 43	4.70	15	5	(3)	PAIJULAHTI	2 FEB 63

BROAD JUMP

IGOR TER OVANESYAN	SU 38	8.31	27	3	1/4 (1)	ERIVAN	10 JUN 62
RALPH BOSTON	USA 39	8.28	27	2	(1)	MOSCOW	16 JUL 61
JESSE OWENS	USA 13	8.13	26	8	1/4 (1)	ANN ARBOR	25 MAY 35
IRVIN ROBERSON	USA 35	8.11	26	7	1/4 (2)	ROME	2 SEP 60
GREG BELL	USA 30	8.10	26	7	(1)	AUSTIN	14 JUN 57
WILLIE STEELE	USA 23	8.07	26	6	(1)	SALT LAKE CITY	21 JUN 47
PENTTI ESKOLA	SF 38	8.04	26	4	1/2 (1)	HELSINKI	4 JUL 63
ROY RANGE	USA 33	8.03	26	4	1/4 (1)	MEXICO CITY	14 MAR 55
DARRELL HORN	USA 39	8.02	26	4	(2)	ST LOUIS	21 JUN 63
JOHN BENNETT	USA 30	8.01	26	3	1/2 (2)	MEXICO CITY	14 MAR 55

GEORGE BROWN	USA 31	8.00	26	3	1/4 (1)	FRESNO	10 MAY 52
EULACE PEACOCK	USA 14	8.00	26	3	(1)	LINCOLN	4 JUL 35
MIKE HERMAN	D 37	8.00	26	3	(1)	EUGENE	8 JUL 60
MANFRED STEINBACH	D 33	8.00	26	3	(4)	ROME	2 SEP 60
JOEL WISSER	USA 35	7.99	26	2	1/2 (1)	MODESTO	30 MAY 59
HENK VILSER	NL 32	7.98	26	2	1/4 (1)	BUCHAREST	17 SEP 56
CHUHEI NAMBU	J 04	7.98	26	2	1/4 (1)	TOKYO	27 OCT 31
BILL MILLER	USA 41	7.97	26	2	(*)	ALBUQUERQUE	13 JUN 63
ERNIE SHELBY	USA 37	7.95	26	1	1/4 (1)	BAKERSFIELD	22 JUN 56

ANTHONY WATSON	USA 41	7.95	26	1	1/4 (2)	NEW YORK	24 JUN 61
SILVIO CATOR	RH 00	7.93	26	1	1/2 (1)	COLOMBES	9 SEP 28
PAUL WARFIELD	USA 42	7.92	26	(2)		EUGENE	16 JUN 62
ROBERT CLARK	USA 13	7.91	25	11	1/2 (1)	MILWAUKEE	26 JUN 36
ALI BRAKCHI	ALG 34	7.91	25	11	1/2 (1)	DAKAR	18 APR 63
MEL RENFORC	USA 41	7.90	25	11	1/4 (3)	EUGENE	15 JUN 62
LUZ LONG	D 13	7.90	25	11	(1)	BERLIN	1 AUG 37
EDWARD HAMM	USA 06	7.90	25	11	(1)	CAMBRIDGE	7 JUL 28
LORENZO WRIGHT	USA 26	7.90	25	11	(1)	DETROIT	5 MAY 48
ANTANAS VAUPSAS	SU 36	7.90	25	11	(1)	ERIVAN	28 OCT 62
LEONID BARKOVSKIY	SU 40	7.90	25	11	(4)	MOSCOW	20 JUL 63

DEHART HUBBARD	USA 03	7.89	25	10	3/4 (1)	CHICAGO	13 JUN 25
RAINER STENIUS	SF 43	7.89	25	10	3/4 (1)	TURKU	13 JUN 63
KERMIT KING	USA 11	7.88	25	10	1/4 (1)	EMPORIA KANS	4 MAY 37
NEVILLE PRICE	ZA 29	7.87	25	10	(1)	BLOEMFONTEIN	3 DEC 55
CLIFTON MAYFIELD	USA 42	7.87	25	10	(1)	GRANVILLE O	16 MAR 63
CHARLIE MAYS	USA 41	7.87	25	10	(3)	ST LOUIS	21 JUN 63
MEREDITH GOURDINE	USA 29	7.87	25	9	3/4 (1)	PHILADELPHIA	25 MAY 51
DAN MOORE	USA 40	7.86	25	9	1/2 (4)	EUGENE	15 JUN 62
JIM HOLLAND	USA 24	7.85	25	9	(1)	COLLEGE PARK MD	24 JUN 50
ANDY STANFIELD	USA 27	7.85	25	9	(2)	PHILADELPHIA	25 MAY 51

STEVE ANDERSON	USA 36	7.85	25	9	(2)	EUGENE	8 JUL 60
MANFRED MOLZBERGER	D 36	7.84	25	8	3/4 (1)	FREIBURG	21 AUG 60
ARY FACANHA DE SA	BR 28	7.84	25	8	3/4 (3)	MEXICO CITY	14 MAR 55
ALBERT OLSON	USA 12	7.84	25	8	3/4 (2)	BERKELEY	22 JUN 35
DMITRIY BONDARENKO	SU 36	7.84	25	8	3/4 (1)	KISLOVODSK	6 MAY 61
JOZEF SCHMIDT	PL 35	7.84	25	8	3/4 (1)	SPALA	14 JUL 63
KAZIMIERZ KROPIDLOWSKI	PL 31	7.82	25	8	(1)	GDANSK	23 AUG 59
IRA DAVIS	USA 36	7.82	25	8	(1)	PHILADELPHIA	24 MAY 58
JEROME BIFFLE	USA 28	7.81	25	7	3/4 (1)	BOULDER	1 APR 50
GODFREY MOORE	USA 39	7.81	25	7	3/4 (4)	ST LOUIS	21 JUN 63

HENRY GRABOWSKI	PL 29	7.81	25	7	1/2 (1)	BYDGOSZCZ	19 JUL 58
ANRE ASTALA	SF 39	7.81	25	7	1/2 (2)	KAUHAWA	21 JUN 63
WOLFGANG KLEIN	D 41	7.81	25	7	1/2 (3)	HANNOVER	31 JUL 63
BILLY BROWN	USA 18	7.80	25	7	(1)	AUSTIN	5 APR 41
DEL BLANKS	USA 41	7.80	25	7	(1)	PROVO	27 MAY 61
REVAZ KVACHAKIDZE	SU 38	7.79	25	6	3/4 (1)	CHARKOV	24 JUL 60
HEINZ AUGA	D 33	7.79	25	6	3/4 (1)	LEIPZIG	11 JUL 59
KLAUS BEER	D 42	7.79	25	6	3/4 (1)	BERLIN	9 OCT 62

SLOPING RUNWAY

MICHAEL AHEY	GHA 40	8.17	26	9	3/4 (1)	KAMPALA	6 OCT 62
CHARLES MAYS	USA 41	8.00	26	3	(1)	PATERSON NJ	8 JUL 62
PAUL ODHAMBO	KEN 37	7.81	25	7	1/2 (1)	KAMPALA	31 AUG 63

PIT 1 INCH LOWER THAN TAKE-OFF BOARD

DEHART HUBBARD	USA 03	7.98	26	2	1/4 (1)	CINCINNATI	17 SEP 27
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MADE WITH ASSISTING WIND

PHIL SHINNICK	USA 43	8.33	27	4	(1)	MODESTO	25 MAY 63
RALPH BOSTON	USA 39	8.30	27	2	3/4 (2)	MODESTO	25 MAY 63
PENTTI ESKOLA	SF 38	8.15	26	9	(1)	KAUHAWA	21 JUN 63
MANFRED STEINBACH	D 33	8.14	26	8	1/2 (1)	BERLIN	24 JUL 60
CLIFTON MAYFIELD	USA 42	8.10	26	7	(1)	ALBUQUERQUE	13 JUN 63
MICHAEL AHEY	GHA 40	8.05	26	5	(1)	PERTH	26 NOV 62
BILL MILLER	USA 41	8.04	26	4	3/4 (2)	ALBUQUERQUE	13 JUN 63
ERNIE SHELBY	USA 37	8.01	26	3	1/2 (1)	AUSTIN	28 MAR 58
PAUL WARFIELD	PL 42	7.98	26	2	1/4 (3)	ALBUQUERQUE	15 JUN 63
JOZEF SCHMIDT	USA 35	7.96	26	1	1/2 (1)	BYDGOSZCZ	16 JUN 63

GODFREY MOORE	USA 39	7.93	26	1	1/2 (1)	SAN ANTONIO	15 JUN 63
CHARLES MAYS	USA 41	7.92	26	1	1/4 (3)	SIOUX FALLS SD	1 JUN 63
CHARLES MOSELEY	USA 41	7.87	25	10	(4)	ALBUQUERQUE	13 JUN 63
BILL JACKSON	USA 39	7.85					

KENT FLOERKE	USA	36	16.11	52	10	1/4	(2)	BAKERSFIELD	25 JUN 60
MAHONEY SAMUELS	JA	40	16.11	52	10	1/4	(1)	KINGSTON	12 APR 61
ENZO CAVALLI	I	37	16.10	52	10		(2)	WARSAW	14 JUN 59
ERIC BATTISTA	F	33	16.06	52	8	1/4	(1)	PARIS	6 SEP 61
HIROSHI SHIBATA	J	35	16.05	52	8		()	KITA-KYUSHU	15 SEP 63
MNFRED HINZE	D	33	16.04	52	7	1/2	(1)	LEIPZIG	13 AUG 59
FREDERICK ALSOP	GB	38	16.02	52	7		(3)	PERTH	29 NOV 62
VIKTOR KOBELYEV	SU	36	16.01	52	6	1/4	(1)	ODESSA	15 SEP 59
DODDY PATARINSKI	BG	33	16.01	52	6	1/4	(2)	SOPIA	29 JUN 63
NAOTO TAJIMA	J	12	16.00	52	6		(1)	BERLIN	6 AUG 36
DMITRIY YEFREMOV	SU	37	16.00	52	6		(1)	ODESSA	3 OCT 57
YEVGENIY CHEN	SU	34	16.00	52	6		(1)	SOPIA	25 MAY 58

HELIO COUTINHO DA SILVA	BR	23	15.99	52	5	1/2	(1)	RIO DE JANEIRO	18 NOV 51
ANATOLIY SHVYETS	SU	35	15.99	52	5	1/2	(1)	YALTA	23 SEP 63
ALVIS ANDREWS	USA	34	15.98	52	5	1/4	(1)	MODESTO	30 MAY 59
BORIS VOSTROUKHOV	SU	34	15.98	52	5	1/4	(3)	KIEV	19 OCT 60
KLAUS NEUMANN	D	42	15.98	52	5	1/4	(2)	VARNA	6 OCT 63
VLASTIMIL KALECKY	CS	30	15.98	52	5	1/4	(1)	HRADEC KRALOVE	13 JUL 63
BILL SHARPE	USA	32	15.97	52	4	3/4	(1)	NEW YORK	25 JUN 61
KARL THIERFELDER	D	33	15.97	52	4	3/4	(1)	PRAGUE	11 AUG 62
ARSENITIY TYERKEL	SU	33	15.95	52	4		(1)	MOSCOW	2 JUN 57
GENNADIY SHASTITKO	SU	39	15.95	52	4		(1)	YALTA	2 OCT 63

MADE WITH ASSISTING WIND

RYSZARD MALCHERCZYK	PL	34	16.71	54	10		(1)	PALERMO	8 OCT 61
MAHONEY SAMUELS	JAM	40	16.59	54	5	1/4	(1)	FRESNO	11 MAY 63
JOHN BAGULLEY	AUS	40	16.46	54			(1)	PERTH	24 FEB 62
JAN JASKOLSKI	PL	39	16.33	53	7		(2)	WARSAW	27 JUL 63
GRAHAM BOASE	AUS	42	16.32	53	6	1/2	(1)	ADELAIDE	25 MAR 63
IAN TOMLINSON	AUS	36	16.29	53	5	1/2	(2)	PERTH	24 FEB 62
ANDRZEJ PULAWSKI	PL	40	16.21	53	2	1/4	(2)	WARSAW	9 JUN 62
ENZO CAVALLI	I	37	16.17	53	3/4	(2)		PALERMO	8 OCT 61
TOMO OTA	J	36	16.14	52	11	1/2	(2)	TOBATA CITY	21 MAY 61

SHOT PUT

DALLAS LONG	USA	40	20.08	65	10	1/2	(1)	LOS ANGELES	18 MAY 62
BILL NIEDER	USA	33	20.06	65	10		(1)	WALNUT CAL	12 AUG 60
GARY GUBNER	USA	42	19.80	64	11	3/4	(1)	NEW YORK	16 FEB 62
ARTHUR ROWE	GB	36	19.56	64	2		(1)	MANSFIELD	7 AUG 61
VILMOS VARJU	H	37	19.42	63	8	1/2	(1)	PECS	23 JUN 63
PARRY O BRIEN	USA	32	19.33	63	5		(1)	TEMPE ARIZ	2 APR 60
ALFRED SOSGORNIK	PL	33	19.24	63	1	1/2	(1)	ELBLAG	12 MAY 63
DAVE DAVIS	USA	37	19.20	63			(1)	LONG BEACH	15 JUN 63
ZSIGMOND NAGY	H	37	19.16	62	10	1/4	(1)	ATHENS	25 JUL 62
VIKTOR LIPSNIS	SU	33	18.93	62	1	1/2	(3)	PALO ALTO	21 JUL 62

VARTAN OVSEPYAN	SU	32	18.88	61	11	1/4	(1)	ERIVAN	28 NOV 60
DAVE STEEN	CND	42	18.88	61	11	1/4	(2)	ALBUQUERQUE	15 JUN 63
SILVANO MECONI	I	32	18.82	61	9		(1)	SCHIO	10 AUG 60
VLADYSLAW KOMAR	PL	40	18.81	61	8	1/2	(1)	CRACOW	23 JUN 63
JAY SILVESTER	USA	37	18.73	61	5	1/2	(1)	WARSAW	29 JUL 61
ADOLFAS VARANAUSKAS	SU	34	18.71	61	4	3/4	(1)	MOSCOW	9 AUG 63
BORIS GEORGIVAS	SU	37	18.65	61	2	1/4	(1)	KIEV	6 SEP 63
JOHN MCGRATH	USA	42	18.65	61	2	1/4	(1)	LOS ANGELES	4 MAY 63
NIKOLAY KARASYOV	SU	39	18.63	61	1	1/2	(2)	MOSCOW	14 SEP 63
MARTYN LUCKING	GB	38	18.62	61	1	1/4	(1)	PADDINGTON	2 OCT 62

RUDOLF LANGER	D	39	18.62	61	1		(2)	MAGDEBURG	18 SEP 63
CHARLES BUTT	USA	33	18.53	60	9	1/2	(2)	WALNUT CAL	13 JUN 59
JIRI SKOBLA	CS	30	18.52	60	9	1/4	(1)	BUCHAREST	13 OCT 63
MICHAEL LINDSAY	GB	38	18.50	60	8	1/2	(1)	PADDINGTON	2 JUL 63
BILLY JOE	USA	40	18.44	60	6		(2)	VILLANOVA	26 MAY 62
RANDY MATSON	USA	45	18.44	60	6		(1)	HOUSTON	8 JUN 63
HANNES BOTHA	ZA	36	18.38	60	3	1/4	(1)	QUEENSTOWN	21 APR 62
KEN BANTUM	USA	35	18.30	60	1	1/2	(1)	BERKELEY	15 JUN 56
DAVE MAGGARD	USA	40	18.29	60			(5)	MODESTO	25 MAY 63
DIETER URBACH	D	35	18.28	59	11	3/4	(1)	MUNICH	11 OCT 61

JERRY WINTERS	USA	37	18.27	59	11	1/4	(5)	PALO ALTO	1 JUL 60
DON CASTLE	USA	43	18.26	59	11		(1)	SAN JOSE	3 MAY 63
HEINFRIED BIRLENBACH	D	40	18.25	59	10	1/2	(1)	BREMEN	29 SEP 63
EUGENIUSZ KWIAKOWSKI	PL	32	18.24	59	10	1/4	(1)	BYDGOSZCZ	5 MAY 63
AL WILLIAMS	USA	39	18.23	59	10		(1)	ATLANTA	25 MAY 63
CLARK BRANSON	USA	39	18.21	59	9		(2)	PALO ALTO	27 MAY 61
DICK CRANE	USA	38	18.21	59	9		(1)	BRUSSELS	24 AUG 63
STAN LAMPERT	USA	28	18.13	59	5	3/4	(1)	ASBURY PARK NJ	1 MAY 54
DAVE OWEN	USA	36	18.13	59	5	3/4	(1)	AUSTIN	15 JUN 57
DAVE PRICE	USA	43	18.10	59	4	1/2	(1)	ST LOUIS	1 JUN 63

DANNY ROBERTS	USA	41	18.08	59	3	3/4	(1)	AUSTIN	6 APR 63
DON SMITH	USA	40	18.06	59	3		(1)	LAWRENCE	16 FEB 62
PETAR BARISIC	YU	36	18.05	59	2	3/4	(1)	OSIJEK	14 NOV 63
MILJKA JOCOVIC	YU	37	18.03	59	1	3/4	(1)	VELENJE	2 SEP 63
GEORGIOS TSAKANIKAS	GR	34	18.02	59	1	1/2	(2)	ATHENS	14 AUG 61
BOB HUMPHREYS	USA	36	18.01	59	1	1/4	(1)	LONG BEACH	4 MAY 63
TOM JONES	USA	31	18.01	59	1		(1)	ATHENS O	21 MAY 55
JAROSLAV SMID	CS	34	18.01	59	1		(1)	KARLOVY VARY	19 OCT 63
HERMANN LINGNAU	D	36	18.00	59	3/4	(3)		STUTTGART	19 JUL 61
SEPPO SIMOLA	SF	36	18.00	59	3/4	(1)		TURKU	17 AUG 63

PIERRE COLNARD	F	29	17.96	58	11		(1)	COLOMBES	28 JUL 63
VLADIMIR SHEVCHENKO	SU	37	17.96	58	11		(1)	COLOMBES	11 JUN 63
JIM FUCHS	USA	27	17.95	58	10	3/4	(1)	ESKILSTUNA	22 AUG 50
JAROSLAV PLIHAL	CS	36	17.95	58	10	3/4	(1)	PRAGUE	17 MAY 61
JOHN FRY	USA	39	17.94	58	10	1/2	(1)	WACO TEX	25 MAR 61
DIETER DENKE	D	39	17.94	58	10	1/4	(1)	LEIPZIG	10 JUN 62
DICK INMAN	USA	42	17.93	58	10		(1)	LAWRENCE	19 MAY 62
JARMO KUNNAS	SF	37	17.93	58	10		(1)	HELSINKI	1 SEP 62
GEORGE WOODS	USA	43	17.92	58	9	3/4	(1)	CARBONDALE ILL	18 MAY 63
REIN SPRENK	SU	38	17.90	58	8	3/4	(1)	TALLINN	28 MAY 60

MADE IN EXTRA TRIAL

PARRY O'BRIEN	USA	32	19.52	64		1/2	()	WALNUT CAL	13 JUN 59
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MADE IN EXHIBITION

DAVE DAVIS	USA	37	19.77	64	10	1/2	()	LOS ANGELES	9 APR 60
ARTHUR ROWE	GB	36	19.66	64	6		()	DINNINGTON	25 JUN 60

MADE IN UNSANCTIONED MEET

PARRY O'BRIEN	USA	32	19.52	63	8		(1)	WALNUT CAL	16 JUN 59
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DISCUS THROW

ALFRED OERTER	USA	36	62.62	205	5.5	(1)	WALNUT CAL	27 APR 63
JAY SILVESTER	USA	37	62.37	204	7.5	(1)	MAINZ	26 JUN 63
RINK BABKA	USA	36	62.10	203	9	(1)	LONG BEACH	4 MAY 63
BOB HUMPHREYS	USA	36	62.00	203	5	(1)	LONG BEACH	14 JUL 62
VLADIMIR TRUSENYOV	SU	31	61.64	202	2.5	(1)	LENINGRAD	4 JUN 62
UDVIG DANEK	CS	37	60.97	200	0.5	(1)	PRAGUE	8 SEP 63
JOZSEF SZECSENYI	H	32	60.66	199		(1)	TATABANYA	19 AUG 62
EDMUND PIATKOWSKI	PL	36	60.47	198	4.5	(1)	LODZ	16 AUG 61
KIM BUKHANTSEV	SU	31	59.47	195	1.5	(1)	LESELIDZE	1 MAY 62
FORTUNE GORDIEN	USA	22	59.28	194	6	(1)	PASADENA	22 AUG 53

JENS REIMERS	D	41	59.03	193	8	(1)	AUGSBURG	16 JUN 63
JIRI ZEMBA	CS	39	58.95	193	5	(2)	BRNO	29 SEP 63
DAVE WEILL	USA	41	58.88	193	2	(1)	BERKELEY	4 MAY 63
VIKTOR KOMPANYEVETS	SU	37	58.76	192	9.5	(2)	TATABANYA	19 AUG 62
VYTAUTAS JARAS	SU	40	58.73	192	8	(1)	BATUMI	10 OCT 62
RICHARD COCHRAN	USA	38	58.36	191	5.5	(2)	LONG BEACH	5 AUG 60
LOTHAR MILDE	D	34	58.32	191	4	(1)	MERSEBURG	19 OCT 62
ELFRANCO MALAN	ZA	34	58.31	191	3.5	(1)	QUEENSTOWN	23 APR 62
JACK ELLIS	USA	30	58.28	191	2.5	(1)	NEW BRITAIN CONN	24 AUG 57
GLENN PASSEY	USA	39	58.15	190	9.5	(1)	TUCSON	7 APR 62

JIM WADE	USA	40	58.08	190	6.5	(1)	WALNUT CAL	23 APR 60
KEES KOCH	NL	36	58.05	190	5.5	(1)	ROTTERDAM	20 MAY 62
SIM INESS	USA	30	57.93	190	0.5	(1)	LINCOLN	20 JUN 53
ALGIMANTAS BALTUSNIKAS	SU	34	57.93	190	0.5	(1)	TBILISI	3 OCT 61
PENITTI REPO	SF	30	57.67	189	2.5	(1)	SEINAJOKI	15 SEP 63
ZENON BEGIER	PL	35	57.43	188	5	(1)	BYDGOSZCZ	28 SEP 63
PARRY O BRIEN	USA	32	57.32	188	0.5	(1)	LOS ANGELES	25 AUG 61
LES MILLS	NZ	34	57.13	187	5	(1)	MODESTO	18 MAY 63

S IDOR ECKSCHMIDT	H	38	65.61	215	3	(2)	BUDAPEST	8 SEP 62
CONSTANTIN DRAGULESCU	R		65.55	215	0.5	(1)	BUCHAREST	21 OCT 63
VIKTOR MIGUNKO	SU	36	65.53	215		(0)	TASKHENT	14 OCT 62
ZVONKO BEZJAK	YU	35	65.38	214	6	(1)	ZAGREB	7 AUG 60
STANISLAV NYENASHEV	SU	34	65.30	214	3	(1)	CHERNOVTSI	11 NOV 61
MANFRED LOSCH	D	38	65.30	214	3	(1)	LEIPZIG	2 OCT 63
RAJMUND NIWINSKI	PL	40	65.25	214	1	(1)	WALBRZYCH	11 JUL 62
JOHN LAWLOR	EIR	34	65.18	213	10	(3)	BAKERSFIELD	24 JUN 60
MICHAEL ELLIS	GB	36	64.95	213	1	(1)	LOUGHBOROUGH	4 JUN 59
YURIY ALEKSEYEV	SU	32	64.85	212	9	(1)	ODESSA	22 SEP 63
ODDVAR KROGH	N	37	64.83	212	8.5	(1)	MOSS	21 AUG 63
ANATOLIY SHUPLYAKOV	SU	38	64.80	212	7	(1)	SMOLYENSK	17 JUN 62
JAROSLAV REHAN	CS	39	64.75	212	5	(1)	PRAGUE	16 SEP 63
MADIS AINSO	SU	37	64.74	212	4.5	(1)	ALMA ATA	3 OCT 62
IGOR ZAKHAROV	SU	35	64.54	211	9	(1)	LENINGRAD	8 JUL 62
PYOTR FONOTOV	SU	37	64.41	211	3.5	(1)	LUGANSK	10 AUG LO
JOSEF MALEK	CS	33	64.40	211	3.5	(1)	PRAGUE	9 SEP 61
NIKOLAJ DOBRIVYECHER	SU	37	64.40	211	3.5	(3)	TATABANYA	19 AUG 62
JUZSEF CSERMAK	H	32	64.23	210	8.5	(1)	BUDAPEST	15 MAY 60
VITALIJ BEZUGLIY	SU	36	64.09	210	3	(0)	TASKHENT	14 OCT 62
VITALIY YEGOROV	SU	31	64.01	210		(1)	KIEV	8 AUG 58
HANS FAHSL	D	41	63.94	209	9	(1)	HELSINKI	26 AUG 61
HELMUT BAUMANN	D	40	63.91	209	8	(2)	POTSDAM	30 JUN 63
KRESIMIR RACIC	YU	32	63.89	209	7.5	(2)	ATHENS	23 SEP 60
SVERRE STRANDLI	N	25	63.88	209	7	(1)	TRONDHEIM	8 OCT 62
ED BAGDONAS	USA	37	63.81	209	4	(3)	WALNUT CAL	12 AUG 60
HOWARD PAYNE	RHO	31	63.65	208	10	(1)	LONDON	28 SEP 62
YURIY SHIBALOV	SU	25	63.62	208	8.5	(2)	NALCHIK	19 APR 59
HERMAN KHVATKOV	SU	30	63.55	208	6	(1)	KRYEMENCHUG	10 MAY 62
KAREL KUNST	CS	37	63.52	208	4.5	(1)	OSTRAVA	20 MAY 62
JUZEF GLIBOWSKI	PL	40	63.41	208	0.5	(1)	OSTROWIEC	5 OCT 63
KLAUS PETER	D	40	63.35	207	10	(1)	POTSDAM	27 AUG 60
VIKTOR KOMPANYEYETS	SU	37	63.30	207	8	(1)	KEIV	25 AUG 63
MUHAMMAD IQBAL	PAK	27	63.11	207	0.5	(1)	LAHORE	31 JAN 60

JAVELIN THROW

CARLO LIEVORE	I	37	86.74	284	7	(1)	MILAN	1 JUN 61
PAULI NEVALA	SF	40	86.33	283	2.5	(1)	HELSINKI	16 JUN 63
ALBERT CANTELLO	USA	31	86.04	282	3.5	(1)	COMPTON	5 JUN 59
JANIS LUSIS	SU	39	86.04	282	3.5	(1)	TASKHENT	14 OCT 62
EGIL DANIELSEN	N	33	85.71	281	2.5	(1)	MELBOURNE	26 NOV 56
VLADIMIR KUZNETSOV	SU	31	85.64	280	11.5	(1)	BAKU	23 SEP 62
JANUSZ SIDLO	PL	33	85.56	280	8.5	(1)	BERLIN	5 SEP 59
VIKTOR TSBULENKO	SU	30	84.64	277	8	(1)	ROME	8 SEP 60
WILLY RASMUSSEN	N	37	84.18	276	2	(1)	OSLO	14 AUG 61
TERJE PEDERSEN	N	43	83.90	275	3	(1)	OSLO	12 AUG 63
SOINI NIKKINEN	SF	23	83.56	274	1.5	(1)	KUHMOINEN	24 JUN 56
BILL ALLEY	USA	37	83.48	273	10.5	(1)	HOUSTON	10 JUN 60
JAN KOPYTO	PL	34	83.37	273	6	(1)	WARSAW	13 OCT 57
MICHEL MACQUET	F	32	83.36	273	6	(1)	MANTES LA JOLIE	11 MAY 61
KNUT FREDRIKSSON	S	30	82.96	272	2	(1)	GOTEBORG	2 JUL 59
ROLF HERINGS	D	40	82.48	270	7	(1)	COLOGNE	22 SEP 61
FRANKLIN HELD	USA	27	82.30	270		(1)	PASADENA	22 SEP 56
CHARLES VALLMANN	SU	33	82.26	269	10.5	(1)	TARTU	7 AUG 60
HERMANN SALOMON	D	38	82.19	269	7.5	(1)	AUGSBURG	11 AUG 63
LARRY STUART	USA	37	81.46	267	3	(2)	LOS ANGELES	30 MAR 63
BILL MILLER	USA	30	81.29	266	8.5	(1)	PASADENA	21 AUG 54
MARIAN MACHOWINA	PL	36	81.27	266	7.5	(1)	LODZ	2 SEP 62
ALEXANDRU BIZIM	R	34	81.21	266	5	(1)	OSLO	27 AUG 63
MART PAAMA	SU	38	81.01	265	9.5	(2)	TBILISI	5 OCT 61
NICK BIRKS	AUS	38	81.01	265	9.5	(1)	ADELAIDE	24 FEB 62
GLENN WINNINGHAM	USA	40	80.82	265	2	(1)	FT HOOD TEX	17 MAY 62
HEINRICH ZAMETZER	D	37	80.74	264	10.5	(1)	AUGSBURG	7 SEP 63
GIOVANNI LIEVORE	I	32	80.72	264	10	(1)	ROME	12 OCT 58
FRANK COVELLI	USA	37	80.71	264	9.5	(1)	HANNOVER	1 AUG 63
JOZEF GLOGOWSKI	PL	40	80.68	264	8.5	(1)	SPALA	14 JUL 63
PAAVO NIEMELA	SF	36	80.33	263	6.5	(2)	TURKU	18 AUG 63
GERGELY KULCSAR	H	34	80.29	263	5	(1)	BUDAPEST	1 JUN 63
HEINER WIL	D	26	80.22	263	2	(1)	COLOGNE	14 OCT 56
KLAUS FROST	D	33	80.09	262	9	(1)	HEILBRONN	25 MAY 57
HORST BADE	D	38	79.92	262	2.5	(1)	CELJE	22 JUL 62
JAN SIKORSKY	USA	39	79.84	261	3.5	(1)	COMPTON	2 JUN 62
OLAVI KAUKANEN	SF	26	79.63	261	3	(1)	TAMPERE	27 JUL 59
WALTER KRUGER	D	32	79.61	261	2	(2)	BERLIN	5 SEP 59
GARY STENLUND	USA	40	79.54	260	11.5	(2)	FRESNO	11 MAY 63
IVAN SIVOPLYASOV	SU	31	79.49	260	9.5	(4)	TBILISI	5 OCT 61
ED RED	USA	42	79.44	260	7.5	(1)	LAFAYETTE LA	13 APR 63
CHRISTIAN MONNERT	F	43	79.41	260	6.5	(1)	CHAMBERY	15 SEP 63
ERKKI AHVENIEMI	SF	32	79.33	260	3	(2)	WARSAW	15 JUN 58
JOHN MCSORLEY	GB	41	79.25	260		(1)	LONDON	14 JUL 62
JOHN GREASLEY	GB	42	79.25	260		(1)	LONDON	14 SEP 63
MIKKO PAANANEN	SF	30	79.22	259	11	(1)	OULLU	11 SEP 60
CY YOUNG	USA	28	79.16	259	8.5	(1)	PALO ALTO	28 APR 56
VAINO KUISMA	SF	34	79.15	259	8	(1)	KARHULA	30 AUG 61
WLADYSLAW NIKICIUK	PL	40	79.12	259	7	(1)	CRACOW	12 JUL 59
MANFRED STOLLE	D	37	79.04	259	3.5	(1)	WARSAW	15 OCT 61
TOIVO HYHTIAINEN	SF	25	78.98	259	1.5	(1)	HELSINKI	27 MAY 54
ALFREDAS ZABLOVSKIS	SU	35	78.90	258	10	(2)	KAUNAS	15 AUG 60
ANTTI SEPPALA	SF	32	78.84	258	8	(1)	PORI	21 AUG 60
ERICH AHRNDT	D	25	78.80	258	6.5	(1)	SCHWERIN	18 OCT 59
ZIGFRIDS GRAUDULIS	SU	33	78.77	258	5	(1)	RIGA	4 AUG 61
GHEORGHE POPESCU	R	34	78.76	258	4.5	(2)	BUCHAREST	11 AUG 62
VEIKKO LAINE	SF	34	78.75	258	4.5	(1)	TURKU	4 OCT 59
YRJO NIKKANEN	SF	14	78.70	258	2.5	(1)	KOTVA	16 OCT 38
RON ULRICH	USA	37	78.64	258		(1)	LONG BEACH	8 JUN 63
JOHN FROMM	USA	36	78.36	257	1	(1)	BERKELEY	14 JUN 58

MADE IN UNSANCTIONED MEET ON SLOPING FIELD

BILL ALLEY	USA	37	86.46	283	8	(1)	WEST CHESTER PA	9 JUL 60
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MADE ON SLOPING FIELD

MICHEL MACQUET	F	32	83.42	273	8.5	(1)	ATHENS	21 OCT 61
IMPLEMENT 2 CM SHORT								
MANFRED STOLLE	D	37	80.13	262	11	(1)	RATHENOW	22 OCT 61

MADE IN EXTRA TRIAL

JORMA KINNUNEN	SF	41	79.43	260	7	(1)	AANEKOSKI	14 AUG 63
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100 YARDS (91.44 METERS)

ROBERT HAYES	USA	42	9.1	(1)	ST LOUIS	21 JUN 63
FRANK BUDD	USA	39	9.2	(1)	NEW YORK	24 JUN 61
HARRY JEROME	CND	40	9.2	(1)	VANCOUVER	25 AUG 62
MELVIN PATTON	USA	24	9.3	(1)	FRESNO	15 MAY 48
HECTOR HOGAN	AUS	31	9.3	(1)	SYDNEY	13 MAR 54
JAMES GOLLIDAY	USA	31	9.3	(1)	EVANSTON	14 MAY 55
LEAMON KING	USA	36	9.3	(1)	FRESNO	12 MAY 56
DAVID SIME	USA	36	9.3	(1)	RALEIGH	19 MAY 56
BOBBY MORROW	USA	35	9.3	(1)	AUSTIN	14 JUN 57
IRA MURCHISON	USA	33	9.3	(2)	AUSTIN	14 JUN 57
RAY NORTON	USA	37	9.3	(1)	SAN JOSE	12 APR 58
BILL WOODHOUSE	USA	36	9.3	(1)	ABILENE	5 MAY 59
ROSCOE COOK	JAM	39	9.3	(1)	MODESTO	30 MAY 59
DENNIS JOHNSON	USA	39	9.3	(1)	SAN JOSE CAL	11 MAR 61
PAUL DRAYTON	USA	39	9.3	(2)	NEW YORK	24 JUN 61
DAVID JAMES	USA	35	9.3	(3)	NEW YORK	24 JUN 61
STONE JOHNSON	USA	40	9.3	(1)	HOUSTON	21 JUN 62
JOE THORNTON	USA	39	9.3	(1)	PETERSBURG VA	19 MAY 62
SERAPHINO ANTAO	KEN	37	9.3	(1)	NAIROBI	22 SEP 62
DENNIS RICHARDSON	USA	40	9.3	(1)	ABILENE TEX	27 MAR 63
GARY RAY	USA	41	9.3	(1)	BIRMINGHAM	18 MAY 63
HENRY CARR	USA	42	9.3	(1)	TEMPER ARIZ	25 MAY 63
GEORGE SIMPSON	USA	08	9.4	(1)	CHICAGO	8 JUN 29
FRANK WYKOFF	USA	09	9.4	(1)	LOS ANGELES	10 MAY 59
HUBERT MEIER	USA	08	9.4	(1)	LINCOLN	24 MAY 30
DANIEL JOUBERT	ZA	09	9.4	(1)	GRAHAMSTOWN	16 MAY 31
JESSE OWENS	USA	13	9.4	(1)	CHICAGO	17 JUN 33
RALPH METCALFE	USA	10	9.4	(1)	CHICAGO	12 MAY 34
GEORGE ANDERSON	USA	16	9.4	(1)	FRESNO	16 MAR 40
CLYDE JEFFREY	USA	18	9.4	(1)	LONG BEACH	16 MAR 40
HAROLD DAVIS	USA	21	9.4	(1)	FRESNO	16 MAY 42
LYDD LABEAUCH	PAN	23	9.4	(1)	LONG BEACH	13 MAR 48
WENDELL BELFIELD	USA	28	9.4	(1)	ATLANTA	15 MAY 48
HARRISON DILLARD	USA	23	9.4	(1)	GEORGETOWN BG	16 APR 49
MIKE AGOSTINI	TD	35	9.4	(1)	KINGSTON	15 APR 53
THANE BAKER	USA	31	9.4	(1)	KANSAS CITY	30 MAY 53
JAMES JACKSON	USA	35	9.4	(1)	BERKELEY	22 MAY 54
ARTHUR BRAGG	USA	30	9.4	(1)	ST LOUIS	18 JUN 54
LARRY MCBRIDE	USA	32	9.4	(1)	LAFAYETTE LA	16 APR 55
HARRY NASH	USA	33	9.4	(1)	MADISON WIS	21 MAY 55
BOBBY GREEN	USA	28	9.4	(1)	SAN ANTONIO	13 JUN 55
ED WATERS	USA	35	9.4	(1)	BALTIMORE	12 MAY 56
KEN KAVE	USA	33	9.4	(2)	BALTIMORE	12 MAY 56
OLLAN CASSELL	USA	36	9.4	(1)	CLARKSVILLE	11 MAY 57
HAYES JONES	USA	38	9.4	(1)	CHARLESTON ILL	24 MAY 57
WILLIE WHITE	USA	38	9.4	(1)	MODESTO	25 MAY 57
PAUL WILLIAMS	USA	35	9.4	(1)	SHEPPARD AFB	13 JUN 57
EUGENE WHITE	USA	37	9.4	(1)	TALLAHASSEE	29 MAR 58
JOHN MOON	USA	38	9.4	(1)	MONTGOMERY ALA	19 APR 58
JOHN LUXON	ZA	38	9.4	(1)	BLOEMFONTEIN	3 MAY 58
DEE GIVENS	USA	27	9.4	(1)	STILLWATER	3 MAY 58
KEITH GARDNER	JAM	29	9.4	(1)	CARDIFF	19 JUL 58
DAVE STYRON	USA	40	9.4	(1)	RUSTON LA	17 MAR 59
SIDNEY GARDON	USA	39	9.4	(1)	ODESSA TEX	21 MAR 59
CHARLES TIDWELL	USA	37	9.4	(1)	NORMAN OKLA	16 MAY 59
ORLANDO HAZLEY	USA	33	9.4	(2)	NORMAN OKLA	16 MAY 59
BOB POYNTER	USA	37	9.4	(4)	MODESTO	30 MAY 59
JIMMY OMAGBEMI	NIG	30	9.4	(1)	LEVERKUSEN	30 MAY 59
ARMIN HARY	D	37	9.4	(2)	LEVERKUSEN	30 MAY 59
PETER RADFORD	GB	39	9.4	(1)	WOLVERHAMPTON	30 MAY 59
LARRY DUNN	USA	40	9.4	(1)	TEMPE ARIZ	7 MAY 60
RALPH ALSIPAUGH	USA	39	9.4	(1)	FORT WORTH	14 MAY 60
DOUG SMITH	USA	39	9.4	(1)	FRESNO	14 MAY 60
FRED MCCOY	USA	37	9.4	(1)	FT COLLINS COLO	28 MAY 60
BOB BROWN	USA	36	9.4	(1)	QUANTICO VA	15 APR 61
JACK HIGGINS	USA					

STEVE ROBBINS	USA 41	9.4	(2)	TEMPE ARIZ	25 MAY 63	HOMER JONES	USA 41	20.5	(1)	LAREDO TEX	10 MAR 62
ZSIBGTU	UG	9.4	(1)	MWIRI	13 JUL 63	R L LASATER	USA 41	20.5	(1)	BEAUMONT TEX	11 MAY 62
						BILL COWINGS	USA 42	20.5	(2)	MODESTO CAL	26 MAY 62
MADE IN UNSANCTIONED MEET											
JAMES RECTOR	USA 84	9.4	(1)	CHARLOTTESVILLE	9 MAY 08	JERRY WILLIAMS	USA 45	20.5	(1)	RICHMOND CAL	3 MAY 63
CHARLES PADDOCK	USA 00	9.4	(1)	MAUI TH	APR 22	EDWIN ROBERTS	TD 42	20.5	(1)	RALEIGH NC	18 MAY 63
						BUREN SIMMONS	USA 38	20.5	(1)	LONG BEACH	18 MAY 63
MARKS MADE WITH ASSISTING WIND											
MELVIN PATTON	USA 24	9.1	(1)	LOS ANGELES	7 MAY 49	RALPH METCALFE	USA 10	19.8	(1)	TORONTO	3 SEP 32
BOBBY MORROW	USA 35	9.1	(1)	ABILENE	4 JUN 55	BILL WOODHOUSE	USA 36	19.9	(1)	ABILENE	18 APR 59
BILL WOODHOUSE	USA 36	9.1	(1)	ABILENE	18 APR 59	TIM RUSSELL	USA 43	19.9	(1)	LONG BEACH	15 MAR 53
CARLTON TERRY	USA 20	9.2	(1)	COLLEGE STATION	2 MAY 41	CHARLES PARKER	USA 26	20.0	(1)	LAREDO	11 MAR 50
TELFORD NEELY	USA 25	9.2	(1)	BATON ROUGE	30 APR 49	BOBBY MORROW	USA 35	20.0	(1)	ABILENE	26 MAR 57
DEAN SMITH	USA 32	9.2	(1)	COLLEGE STATION	19 APR 55	IRA DAVIS	USA 36	20.0	(1)	WEST CHESTER PA	9 MAY 58
BOBBY WILDEN	USA 35	9.2	(1)	FAYETTEVILLE	12 MAY 56	RAY NORTON	USA 37	20.0	(1)	SANGER CAL	7 JUN 58
CHARLIE CAMPBELL	USA 36	9.2	(1)	POCATELLO	22 MAY 59	RALPH ALSPAUGH	USA 39	20.0	(1)	HOUSTON	13 MAY 61
BRUCE LAND	USA 36	9.2	(1)	ABILENE TEX	13 APR 60	HENRY CARR	USA 42	20.0	(1)	DETROIT	18 MAY 61
STONE JOHNSON	USA 40	9.2	(1)	HOUSTON	25 MAR 61	ADOLPH PLUMMER	USA 38	20.0	(1)	ABILENE TEX	14 APR 62
RALPH ALSPAUGH	USA 39	9.2	(1)	HOUSTON	13 MAY 61	ANTHONY WATSON	USA 41	20.0	(1)	LAWRENCE KANS	18 MAY 62
R L LASATER	USA 41	9.2	(1)	COMMERCE TEX	31 MAR 62	ODELL BARRY	USA 41	20.0	(1)	FINDLAY O	19 MAY 62
SERAPHINO ANTAD	KEN 37	9.2	(1)	DUBLIN	18 JUN 62	GERALD ARLINE	USA	20.1	(1)	FORT LAUDERDALE	27 APR 63
ODELL BARRY	USA 41	9.2	(1)	HILLSDALE MICH	2 MAY 63	JOHN MOON	USA 38	20.1 C	(1)	SAN ANTONIO	15 JUN 63
JOHN HOUSE	USA	9.2	(1)	VAN NUYS CAL	11 MAY 63	HAROLD DAVIS	USA 21	20.2	(1)	FRESNO	17 MAY 41
JOHN GILBERT	USA 42	9.2	(2)	ST LOUIS	21 JUN 63	HERB MCKENLEY	JAM 22	20.2	(1)	CHAMPAIGN ILL	24 MAY 50
D NIEL JOUBERT	ZA 09	9.3	(1)	GRAHAMSTOWN	30 MAY 31	DICK STOLPE	USA 25	20.2	(2)	LAREDO TEX	11 MAY 47
JE F OWENS	USA 13	9.3	(1)	MADISON WIS	16 MAY 36	BILL KEMP	USA 41	20.2	(2)	HOUSTON	13 MAY 61
FRED RAMSDALE	USA 16	9.3	(2)	COLLEGE STATION	2 MAY 41	DENNIS RICHARDSON	USA 40	20.2	(1)	ABILENE TEX	14 APR 62
LARRY MCBRIDE	USA 32	9.3	(2)	LAWRENCE	23 APR 55	BILLY FOSTER	USA 43	20.2	(1)	FAYETTEVILLE	11 MAY 63
BOBBY GREEN	USA 28	9.3	(1)	FT HOOD TEX	16 MAY 55	BERNIE RIVERS	USA	20.2	(1)	GARY	18 MAY 63
KEN KAVE	USA 33	9.3	(1)	LINCOLN U PA	14 APR 56	PAUL BIENZ	USA 26	20.3	(1)	TUSCALOOSA ALA	7 MAY 49
THANE BAKER	USA 31	9.3	(1)	COLUMBUS	21 APR 56	BOBBY WILDEN	USA 35	20.3	(2)	LAREDO	9 MAY 57
KEN CHRISTENSEN	USA 33	9.3	(1)	MISSOULA	18 MAY 57	PRESTON GRIFFIN	USA 39	20.3	(1)	MANHATTAN BCH	3 MAY 57
WILLIE WILLIAMS	USA 31	9.3	(1)	FT HOOD TEX	14 JUN 57	WILLIE WILLIAMS	USA 31	20.3	(1)	FORT HOOD TEX	15 JUN 57
ORLANDO HAZLEY	USA 33	9.3	(1)	FAYETTEVILLE	5 APR 58	EARL YOUNG	USA 41	20.3	(1)	LAREDO TEX	11 MAR 61
MICHAEL AGOSTINI	TD 35	9.3	(1)	HAMILTON NZ	11 APR 59	ROY SMALLY	USA 40	20.3	(3)	HOUSTON	13 MAY 61
SIDNEY GARTON	USA 39	9.3	(1)	COMMERCE TEX	2 MAY 59	ALVIN WASHINGTON	USA 43	20.3	(1)	NEW HARTFORD NY	10 JUN 61
CHARLES TIDWELL	USA 37	9.3	(1)	LINCOLN	13 JUN 59	MAC HUNTER	USA 42	20.3	(1)	CORAL GABLES	7 APR 62
JOHN LEWIS	USA 40	9.3	(2)	ABILENE TEX	13 APR 60	RALPH TURNER	USA 42	20.3	(1)	LONG BEACH CAL	7 APR 62
PETER RADFORD	GB 39	9.3	(1)	WOLVERHAMPTON	28 MAY 60	DOUG SMITH	USA 39	20.3	(2)	LONG BEACH CAL	7 APR 62
DONALD BURSTILL	AUS 40	9.3	(1)	SYDNEY	13 NOV 60	LARRY MCCUE	USA 40	20.3	(3)	ABILENE TEX	14 APR 62
DAVE STYRON	USA 40	9.3	(1)	CARBONDALE ILL	14 APR 61	DALE ALEXANDER	USA 40	20.3	(2)	LAWRENCE KANS	18 MAY 62
BILL MILLER	USA 41	9.3	(2)	DENTON TEX	15 APR 61	TED WOODS	USA 40	20.3	(2)	LAWRENCE KANS	19 MAY 62
RICHARD BOTHMER	USA 39	9.3	(1)	WICHITA	13 MAY 61	VERNUS RAGSDALE	USA 42	20.3	(1)	SAN DIEGO	26 MAY 62
FRED SCHAEFER	USA 39	9.3	(2)	COMMERCE TEX	31 MAR 62	BOBBY POYNTER	USA 37	20.3 C	(2)	SAN ANTONIO	15 JUN 63
LARRY DUNN	USA 40	9.3	(1)	SANTA BARBARA	31 MAR 62	JOE BLAGG	USA 16	20.4	(1)	COLLEGE STATION	2 MAY 41
NATE ADAMS	USA 41	9.3	(1)	COLUMBUS	21 APR 62	EUGENE CARTER	USA 28	20.4	(1)	ABILENE	23 MAR 49
ZEAK WILLIAMS	USA 44	9.3	(1)	ALBUQUERQUE	12 MAY 62	CHARLES THOMAS	USA 32	20.4	(1)	DALLAS	10 MAY 52
DOUG SMITH	USA 39	9.3	(2)	FRESNO CAL	12 MAY 62	DEAN SMITH	USA 32	20.4	(1)	COLLEGE STATION	19 APR 55
MICHAEL CLEARY	AUS 40	9.3	(1)	GERALDTON	17 NOV 62	ORLANDO HAZLEY	USA 33	20.4	(1)	BIG SPRINGS TEX	16 MAR 57
GARY HODSWORTH	AUS 41	9.3	(2)	MELBOURNE	25 FEB 63	TAYLOR JONES	USA 39	20.4	(1)	HOUSTON	2 MAY 59
TIM RUSSELL	USA 43	9.3	(1)	LONG BEACH	23 APR 63	BASIL INCE	JAM 33	20.4	(1)	DURHAM NH	9 MAY 59
LARRY QUESTAD	USA 43	9.3	(1)	ST LOUIS	21 JUN 63	PAUL COLLINS	USA 37	20.4	(1)	DENVER	16 MAY 59
WILLIE WILLIAMS	USA 40	9.3	(4)	ST LOUIS	21 JUN 63	BILLY HOLLIS	USA 38	20.4	(1)	WACO TEX	5 MAY 60
PAUL WINDER	USA 37	9.3	(6)	ST LOUIS	21 JUN 63	GENE GIVENS	USA 38	20.4	(1)	CAMBRIDGE MASS	21 MAY 60
						DICK CORTESE	USA 42	20.4	(1)	LONG BEACH	16 MAR 63
						JIM LOVE	USA	20.4	(1)	COMMERCE TEX	28 MAR 63
						JERRY WILLIAMS	USA 45	20.4	(1)	RICHMOND CAL	3 MAY 63
						JIM CHILDS	USA	20.4	(1)	ALBUQUERQUE	11 MAY 63
MADE WITH ROLLING START											
JOHN LEWIS	USA 40	9.2	(1)	DENTON TEX	15 APR 61	JOHN HOUSE	USA	20.4	(1)	VAN NUYS CAL	11 MAY 63
DENNIS JOHNSON	JAM 39	9.2	(1)	WALNUT CAL	29 APR 61						
220 YARDS (201.17 METERS)- STRAIGHTAWAY											
DAVID SIME	USA 36	20.0	(1)	SANGER CAL	9 JUN 56	DOUBTFUL TIMING					
FRANK BUDD	USA 39	20.0	(1)	VILLANOVA PA	12 MAY 62	BILL DEL VECCHIO	USA	20.2	(1)		13 JUL 63
MIKE AGOSTINI	TD 35	20.1	(1)	BAKERSFIELD	17 MAR 56	DAVID SEGAL	GB 37	20.3	(1)	CORAL GABLES	30 MAR 60
RAY NORTON	USA 37	20.1	(1)	SAN JOSE CAL	2 APR 60	NO FLASH					
ROBERT HAYES	USA 42	20.1	(1)	ATLANTA	13 MAY 61	SIDNEY GARTON	USA 39	19.6	(1)	COMMERCE TEX	2 MAY 59
HENRY CARR	USA 42	20.1	(1)	TEMPE ARIZ	5 MAY 62	FRED SCHAEFER	USA 39	20.1	(2)	COMMERCE TEX	2 MAY 59
PAUL DRAYTON	USA 39	20.1	(2)	VILLANOVA PA	12 MAY 62	200 METER HURDLES (218.72 YARDS) - FULL TURN					
MELVIN PATTON	USA 24	20.2	(1)	LOS ANGELES	7 MAY 49	C = 220 Y TIME LESS 0.1					
EDWARD JEFFERYS	ZA 36	20.2	(1)	VALHALLA	30 MAR 60	MARTIN LAUER	D 37	22.5	(1)	ZURICH	7 JUL 59
DAVE STYRON	USA 40	20.2	(1)	LOGAN UTAH	13 MAY 61	GLENN DAVIS	USA 34	22.5	(1)	BERN	20 AUG 60
FORREST BEATY	USA 44	20.2	(1)	ONTARIO CAL	27 MAY 61	CHARLES TIDWELL	USA 37	22.6 C	(1)	BERKELEY	14 JUN 58
BILL HARVEY	USA 42	20.2	(1)	LOGAN UTAH	18 MAY 63	ELIAS GILBERT	USA 36	22.7 C	(1)	SAN DIEGO	8 JUN 57
JESSE OWENS	USA 13	20.3	(1)	ANN ARBOR	25 MAY 35	HAYES JONES	USA 38	22.7	(2)	BOULDER COLO	20 JUN 59
LLOYD LABEACH	PAN 23	20.3	(1)	COMPTON	4 JUN 48	JERRY TARR	USA 39	22.7 C	(1)	EUGENE ORE	1 JUN 62
ED COLLYMORE	USA 38	20.3	(1)	COMPTON	6 JUN 58	LEE CALHOUN	USA 33	22.8 C	(2)	SAN DIEGO	8 JUN 57
RON HARRISON	USA 37	20.3	(1)	TALLAHASSEE	7 MAY 60	FRANCIS WASHINGTON	USA 36	22.8 C	(2)	BERKELEY	14 JUN 58
ADOLPH PLUMMER	USA 38	20.3	(1)	TEMPE ARIZ	18 APR 62	RICHARD HOWARD	USA 35	22.8	(2)	BERN	20 AUG 60
JOHN MOON	USA 38	20.3	(1)	FT CAMPBELL KY	5 MAY 62	FRED WOLCOTT	USA 17	22.9	(1)	LINCOLN NEB	4 JUL 39
JOHN LEWIS	USA 40	20.3	(1)	STEPHENVILLE TEX11	MAY 62	HARRISON DILLARD	USA 23	22.9 C	(1)	MINNEAPOLIS	22 JUN 46
DAVE MORRIS	USA 42	20.3	(1)	MODESTO CAL	26 MAY 62	WILLIE MAY	USA 37	22.9	(2)	ZURICH	7 JUL 59
IRA MURCHISON	USA 33	20.3	(1)	CHICAGO	24 JUN 62	ANATOLY MIKHAILOV	SU 36	22.9	(1)	NALCHIK	7 MAY 60
RALPH METCALFE	USA 10	20.4	(1)	CHICAGO	17 JUN 33	EARL VICKERY	USA 16	23.0	(2)	LINCOLN NEB	4 JUL 39
HAROLD DAVIS	USA 21	20.4	(1)	EVANSTON	16 JUN 42	GERHARDUS POTGIETER	ZA 37	23.0 C	(1)	NYLSTROOM	2 MAR 57
ANDY STANFIELD	USA 27	20.4	(1)	COMPTON	4 JUN 52	REX STUCKER	USA 39	23.0 C	(2)	NORMAN OKLA	16 MAY 59
THANE BAKER	USA 31	20.4	(1)	KANSAS CITY	30 MAY 53	CALVIN GROFF	USA 38	23.0 C	(3)	NORMAN OKLA	16 MAY 59
ART POLLARD	USA 34	20.4	(1)	UNIV PK PA	19 MAY 56	VERNON HADDOX	USA 37	23.0 C	(4)	NORMAN OKLA	16 MAY 59
KEITH GARDNER	JAM 29	20.4	(1)	COLUMBIA MO	17 MAY 58	REX CAWLEY	USA 40	23.0	(1)	BOULDER COLO	20 JUN 59
DEE GIVENS	USA 37	20.4	(2)	COLUMBIA MO	17 MAY 58	DAVID PRINCE	AUS 41	23.0 C	(2)	BRISBANE	4 MAR 61
BOBBY MORROW	USA 35	20.4	(1)	HOUSTON	7 JUN 58	VASILY ANISIMOV	SU 38	23.0	(1)	TASHKENT	4 OCT 62
ROBERT POYNTER	USA 37	20.4	(2)	SAN JOSE CAL	2 APR 60	JACK DAVIS	USA 31	23.1 C	(1)	ST LOUIS	19 JUN 54
BOBBY SHER	USA 40	20.4	(2)	TALLAHASSEE	7 MAY 60	ANCEL ROBINSON	USA 33	23.1 C	(2)	BAKERSFIELD	21 JUN 58
OVERTON WILLIAMS	USA 40	20.4	(1)	SACRAMENTO	20 MAY 61	EDDIE SOUTHERN	USA 38	23.1	(1)	JOHNSU	11 SEP 60
HUBIE WATSON	USA 41	20.4	(1)	TEMPE ARIZ	24 MAR 62	RALPH BOSTON	USA 39	23.1 C	(1)	SIOUX FALLS SD	3 JUN 61
ROLAND LOCKE	USA 04	20.5	(1)	LINCOLN	1 MAY 26	DON STYRON	USA 40	23.1 C	(1)	NEW YORK	25 JUN 61
HARVEY WALLENDER	USA 14	20.5	(1)	AUSTIN	3 MAY 35	EDWARD JEFFERYS	ZA 36	23.1 C	(1)	BE NONI	2 DEC 61
PAUL BIENZ	USA 26	20.5	(1)	ATLANTA	28 MAY 49	MARKS MADE WITH ASSISTING WIND					
GEORGE RHODEN	JAM 26	20.5	(2)	COMPTON	4 JUN 52	HAYES JONES	USA 38	22.4 C	(1)	LINCOLN	13 JUN 59
LEAMON KING	USA 36	20.5	(1)	TULARE CAL	23 MAY 53	CHARLES TIDWELL	USA 37	22.5 C	(2)	LINCOLN	13 JUN 59
CHARLES THOMAS	USA 32	20.5	(1)	HOUSTON	29 MAY 54	GEOFFREY GOODACRE	AUS 27	23.0 C	(1)	SYDNEY	8 JAN 55
EDDIE SOUTHERN	USA 38	20.5	(1)	DALLAS	10 MAY 58	MARKS MADE ON OVERSIZE OVALS					
WILLIE WHITE	USA 38	20.5	(2)	COMPTON	6 JUN 58	GERHARDUS POTGIETER	ZA 37	22.7 C	(1)	BLOEMFONTEIN	18 APR 60
RALPH FABIAN	USA 38	20.5	(1)	BATON ROUGE	14 MAR 59	BORIS KRYUNOV	SU 35	22.9	(1)	LENINGRAD	16 JUL 59
WILLIE WILLIAMS II	USA 40	20.5	(3)	SAN JOSE CAL	2 APR 60						
DOUG SMITH	USA 39	20.5	(1)	LOS ANGELES	6 MAY 60						

220 YARD HURDLES (201.17 METERS) - STRAIGHT COURSE C = 200 M TIME PLUS 0.1

DON STYRON	USA 40	21.9	(1)	BATON ROUGE	2 APR 60
ELIAS GILBERT	USA 36	22.1	(1)	RALEIGH	17 MAY 58
DAVE SIME	USA 36	22.2	(1)	DURHAM NC	5 MAY 56
ANCEL ROBINSON	USA 33	22.2	(1)	AUSTIN	15 JUN 57
CALVIN COOLEY	USA 39	22.2	(1)	ABILENE TEX	16 APR 59
HARRISON DILLARD	USA 23	22.3	(1)	SALT LAKE CITY	21 JUN 47
FRAN WASHINGTON	USA 36	22.3	(2)	RALEIGH	17 MAY 58
DICKIE HOWARD	USA 35	22.3	(2)	ABILENE	16 APR 59
IRVIN ROBERSON	USA 35	22.3	(2)	MODESTO CAL	27 MAY 61
RALPH BOSTON	USA 39	22.4	(1)	FT CAMPBELL KY	28 MAY 60

FRED WOLCOTT	USA 17	22.5	(1)	PRINCETON	8 JUN 40
WILLIAM PORTER	USA 26	22.5	(2)	SALT LAKE CITY	21 JUN 47
CRAIG DIXON	USA 26	22.5	(1)	LOS ANGELES	9 APR 49
ROD PERRY	USA 34	22.5	(1)	AUSTIN	14 JUN 57
HAYES JONES	USA 38	22.5	(1)	MODESTO	30 MAY 59
REX STUCKER	USA 39	22.5	(1)	AMES IA	21 MAY 60
REX CAWLEY	USA 40	22.5	(1)	TEMPE ARIZ	15 APR 61
JOHN BETHEA	USA 42	22.5	(1)	BALTIMORE	3 JUN 62
JESSE OWENS	USA 13	22.6	(1)	ANN ARBOR	25 MAY 35
GEORGE WALKER	USA 26	22.6	(1)	CHAMPAIGN	22 MAY 48

MADILL GARTISER	USA 24	22.6	(1)	DALLAS	4 JUN 48
JOE CORLEY	USA 32	22.6	(1)	ANN ARBOR	12 JUN 54
ROY THOMPSON	USA 35	22.6	(1)	AUSTIN	11 MAY 57
WILLIE WHITE	USA 38	22.6	(1)	COMPTON	31 MAY 57
RAY CUNNINGHAM	USA 40	22.6	(1)	FORT WORTH	14 MAY 60
JAMES PETTIT	USA 38	22.6	(2)	FORT WORTH	14 MAY 60
RON ABLOWICH	USA 39	22.6	(1)	ATLANTA	20 MAY 61
DEE ANDREWS	USA 40	22.6	(1)	LONG BEACH CAL	24 MAR 62
RUSS ROGERS	USA 39	22.6	(1)	PETERSBURG VA	19 MAY 62
SCOTT TYLER	USA 39	22.6	(1)	WALNUT CAL	23 JUN 62

JERRY TARR	USA 39	22.6	(1)	WALNUT CAL	23 JUN 62
JACK KELLER	USA 11	22.7	(1)	CHICAGO	11 JUN 32
GLENN HARDIN	USA 10	22.7	(1)	LOS ANGELES	23 JUN 34
EARL VICKERY	USA 16	22.7	(1)	LOS ANGELES	22 APR 39
RONALD FRAZIER	USA 27	22.7	(3)	SALT LAKE CITY	21 JUN 47
HORACE SMITH	USA 24	22.7	(2)	FRESNO	25 JUN 49
CHARLES MOORE	USA 29	22.7	(1)	SEATTLE	16 JUN 51
RAFER JOHNSON	USA 35	22.7	(1)	LOS ANGELES	24 MAR 56
EMMETT SMALLWOOD	USA 35	22.7	(2)	AUSTIN	11 MAY 57
GLENN DAVIS	USA 34	22.7	(1)	HOUSTON	8 JUN 57

AUBREY LEWIS	USA 35	22.7	(3)	AUSTIN	15 JUN 57
EDDIE DOVE	USA 37	22.7	(1)	TEMPE	3 APR 58
JAY LUCK	USA 40	22.7	(1)	NEW HAVEN	5 MAY 62
TOM HESTER	USA 44	22.7	(3)	WALNUT CAL	23 JUN 62
JAMES LIGGINS	USA	22.7	(1)		6 APR 63

MARKS MADE WITH ASSISTING WIND					
RALPH BOSTON	USA 39	22.2	(1)	BATON ROUGE	15 APR 61
WAYNE CURL	USA	22.2	(2)	BATON ROUGE	15 APR 61
FRANCIS WASHINGTON	USA 36	22.2	C	SAN JOSE	7 APR 62
GLENN HARDIN	USA 10	22.5	C	BATON ROUGE	4 MAY 35
HORACE SMITH	USA 24	22.5	(1)	ST COLL PA	14 MAY 49
RALPH PERSON	USA 31	22.5	(1)	DALLAS	10 MAY 52
LES STEVENS	USA 34	22.5	(1)	COLUMBUS	27 MAY 55
ERNIE SHELBY	USA 37	22.5	(1)	COLUMBIA MO	17 MAY 58
RAY CUNNINGHAM	USA 40	22.5	(1)	COLL STA TEX	9 MAY 59
BLAINE LINDGREN	USA 38	22.5	(1)	DENVER	25 MAY 62

JOHN LANDY AUS 30 2 20.9 (1) LAITILA 11 JUL 54
TOM CARROLL USA 39 2 20.9 (3) KARLSTAD 21 AUG 59

2000 METERS (1 MILE 427.22 YARDS)

MICHEL JAZY	F 36	5 01.5	(1)	PARIS	14 JUN 62
ISTVAN ROZSAVOLGYI	H 29	5 02.2	(1)	BUDAPEST	2 OCT 55
LASZLO TABORI	H 31	5 03.0	(2)	BUDAPEST	2 OCT 55
WITOLD BARAN	PL 39	5 03.6	(1)	BYDGOSZCZ	5 JUN 63
MICHEL BERNARD	F 31	5 03.8	(1)	CAMBRAI	1 AUG 63
SIEGFRIED HERRMANN	D 32	5 05.0	(1)	HALLE	10 SEP 59
DAN WAERN	S 33	5 05.6	(1)	UDDEVALA	11 SEP 59
SIEGFRIED VALENTIN	D 36	5 06.6	(1)	POTSDAM	27 SEP 59
GASTON REIFF	B 21	5 06.9	(1)	BRUSSELS	29 SEP 48
STEFAN LEWANDOWSKI	PL 30	5 07.2	(2)	UDDEVALA	11 SEP 59

ALAN SIMPSON	GB 40	5 07.9	(1)	BLACKBURN	24 SEP 62
JONAS PIPYNE	SU 35	5 08.4	(1)	VILNIUS	5 SEP 58
SVEN OLOF LARSSON	S 38	5 09.2	(1)	SUNDSVALL	7 AUG 63
RON CLARKE	AUS 37	5 09.2	(1)	MELBOURNE	27 NOV 63
CHRIS CHATAWAY	GB 31	5 09.4	(1)	LONDON	11 JUN 55
INGVAR ERICSSON	S 27	5 09.6	(1)	BORAS	29 JUL 55
ROBERT BOGEY	F 35	5 09.6	(2)	PARIS	17 MAY 61
GORDON PIRIE	GB 31	5 09.8	(1)	MANCHESTER	21 MAY 55

ALL TIME WORLD LIST

SANDOR IHAROS	H 30	5 09.8	(2)	BUDAPEST	30 AUG 59
HANS GRODZKI	D 36	5 09.8	(2)	POTSDAM	27 SEP 59
FRED DWYER	USA 31	5 10.0	(3)	BORAS	29 JUL 55
JERZY CHROMIK	PL 31	5 10.6	(1)	ZABRZE	27 SEP 55
BRIAN HALL	GB 37	5 10.6	(2)	BLACKBURN	24 SEP 62
STANISLAV JUNGWIRTH	CS 30	5 10.8	(1)	STARA BOLESNAV	27 OCT 55
KARL EYERKAUFER	D 40	5 10.8	(2)	PARIS	14 JUN 62
JOHN DISLEY	GB 38	5 10.9	(2)	STOCKHOLM	7 JUL 55
JIM BEATTY	USA 34	5 10.9	(1)	BORLANGE	29 AUG 62

3000 METERS (1 MILE 1520.83 YARDS)

MICHEL JAZY	F 36	7 49.2	(1)	ST MAUR	27 JUN 62
SIEGFRIED HERRMANN	D 32	7 51.2	(1)	BYDGOSZCZ	16 JUN 63
GORDON PIRIE	GB 31	7 52.8	(1)	MALMO	4 SEP 56
ISTVAN ROZSAVOLGYI	H 29	7 53.4	(2)	MALMO	4 SEP 56
HANS GRODZKI	D 36	7 54.2	(1)	POTSDAM	30 JUL 60
JIM BEATTY	USA 34	7 54.2	(1)	AVRANCHES	15 AUG 62
KAZIMIERZ ZIMNY	PL 35	7 54.6	(1)	WARSAW	18 JUN 61
WITOLD BARAN	PL 39	7 55.4	(2)	BYDGOSZCZ	16 JUN 63
SANDOR IHAROS	H 30	7 55.6	(1)	BUDAPEST	14 MAY 55
LECH BOGUSZEWICZ	PL 38	7 55.6	(3)	BYDGOSZCZ	16 JUN 63

MICHEL BERNARD	F 31	7 56.0	(2)	AVRANCHES	15 AUG 62
ROBERT BOGEY	F 35	7 56.1	(2)	TRELLEBORG	18 AUG 61
JERZY CHROMIK	PL 31	7 56.4	(2)	TRONDHEIM	22 JUN 56
HERMANN BUHL	D 35	7 56.4	(3)	WARSAW	18 JUN 61
VALENTIN SAMOILOV	SU 37	7 56.4	(4)	WARSAW	18 JUN 61
MURRAY HALBERG	NZ 33	7 57.6	I	JYVASKYLA	7 JUL 61
HORST FLOSBACH	D 36	7 57.8	(5)	WARSAW	18 JUN 61
ZDZISLAW KRZYSZKOWIAK	PL 29	7 58.2	(1)	WARSAW	9 JUN 57
EDWARD STRONG	GB 36	7 58.2	(1)	LONDON	11 JUN 62
DON TAYLOR	GB 36	7 58.2	(1)	LONDON	13 SEP 63

GASTON REIFF	B 21	7 58.7	(1)	GAVLE	12 AUG 49
SVEN-OLOF LARSSON	S 38	7 58.8	(1)	STOCKHOLM	6 AUG 63
DAN WAERN	S 33	7 59.6	(1)	STOCKHOLM	1 SEP 59
ATTILA SIMON	H 39	7 59.6	(1)	BUDAPEST	29 MAY 63
MIROSLAV JUREK	CS 35	7 59.8	(4)	LONDON	6 JUN 60
FRIEDRICH JANKE	D 31	7 59.8	(2)	STOCKHOLM	6 AUG 63
DEREK IBBOTSON	GB 32	8 00.0	(3)	WARSAW	14 JUN 59
RON CLARKE	AUS 37	8 00.0	(1)	SANDRINGHAM	4 DEC 63
BELA SZEKERES	H 38	8 00.2	(2)	LONDON	11 JUN 62
FRANK SALVAT	GB 34	8 00.4	(5)	LONDON	6 JUN 60

LASZLO TABORI	H 31	8 00.8	(2)	WARSAW	10 JUN 56
PYOTR BOLOTNIKOV	SU 30	8 00.8	(5)	WARSAW	14 JUN 59
EDWARD SZKLARCZYK	PL 41	8 00.8	(5)	BYDGOSZCZ	16 JUN 63
GUNDER HAGG	S 18	8 01.2	(1)	STOCKHOLM	28 AUG 42
VLADIMIR KUTS	SU 27	8 01.4	(1)	OSLO	15 JUN 56
ALBERT THOMAS	AUS 35	8 01.4	I	SYDNEY	19 JAN 60
REIJO HOYKINPURI	SF 33	8 01.4	(1)	KARHULA	2 AUG 60
PETER PARSCH	H 36	8 01.6	(3)	BUDAPEST	29 MAY 63
JIM GRELE	USA 36	8 01.8	I	LOS ANGELES	8 JUN 62
JANOS PINTER	H 36	8 01.8	(4)	BUDAPEST	29 MAY 63

MADE ON BANKED BOARD TRACK

PETER KUBICKI	D 38	8 01.6	(1)	BERLIN	3 SEP 63
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ONE MILE (1609.35 METERS)

PETER SNELL	NZ 38	3 54.4	(1)	WANGANUI	27 JAN 62
HERB ELLIOTT	AUS 38	3 54.5	(1)	DUBLIN	6 AUG 58
JIM BEATTY	USA 34	3 55.5	(2)	COMPTON	7 JUN 63
DYROL BURLINSON	USA 40	3 55.6	(3)	COMPTON	7 JUN 63
MERVYN LINCOLN	AUS 33	3 55.9	(2)	DUBLIN	6 AUG 58
JIM GRELE	USA 36	3 56.1	(2)	TORONTO	25 JUN 63
SIEGFRIED VALENTIN	D 36	3 56.5	(1)	POTSDAM	28 MAY 59
CARY WEISIGER	USA 38	3 56.6	(5)	COMPTON	7 JUN 63
TOM OHARA	USA 42	3 56.9	(2)	ST LOUIS	22 JUN 63
DEREK IBBOTSON	GB 32	3 57.2	(1)	LONDON	19 JUL 57

RON DELANY	EIR 35	3 57.5	(3)	DUBLIN	6 AUG 58
MURRAY HALBERG	NZ 33	3 57.5	(4)	DUBLIN	6 AUG 58
JOHN LANDY	AUS 30	3 57.9	(1)	TURKU	21 JUN 54
STANLEY TAYLOR	GB 37	3 58.0	(3)	LONDON	18 AUG 62
BOB SEAMAN	USA 35	3 58.0	(4)	LONDON	18 AUG 62
MICHEL BERNARD	F 31	3 58.2	(1)	CAMBRAI	8 JUL 63
KEITH FORMAN	USA 41	3 58.3	(1)	MODESTO CAL	26 MAY 62
DAN WAERN	S 33	3 58.5	(1)	MALMO	4 SEP 57
JIM BAILEY	AUS 29	3 58.6	(1)	LOS ANGELES	5 MAY 56
ALBERT THOMAS	AUS 35	3 58.6	(5)	DUBLIN	6 AUG 58

ROGER BANNISTER	GB	29	3 58.8	(1)	VANCOUVER	7 AUG 54
JOHN DAVIES	NZ	38	3 58.8	(2)	DUNEDIN	15 FEB 63
ROGER MOENS	B	30	3 58.9	(2)	MALMO	4 SEP 57
BRIAN HEWSON	GB	33	3 58.9	(2)	LONDON	3 SEP 58
LASZLO TABORI	H	31	3 59.0	(1)	LONDON	28 MAY 55
ISTVAN ROZSAVOLGYI	H	29	3 59.0	(1)	BUDAPEST	26 AUG 56
BILL DOTSON	USA	40	3 59.0	(4)	WALNUT CAL	23 JUN 62
GUNNAR NIELSEN	DK	28	3 59.1	(2)	COMPTON	1 JUN 56
STANISLAV JUNGWIRTH	CS	30	3 59.1	(3)	LONDON	19 JUL 57

OLAVI VUORISALO	SF	33	3 59.1	(2)	NAANTALI	7 AUG 57
OLAVI SALONEN	SF	33	3 59.1	(3)	HELSINKI	21 AUG 62
STEFRIED HERRMANN	D	32	3 59.1	(1)	ERFURT	24 SEP 63
MICHAEL BERISFORD	GB	36	3 59.2	(5)	LONDON	18 AUG 62
WITOLD BARAN	PL	39	3 59.2	(2)	TORONTO	12 JUL 63
KENNETH WOOD	GB	30	3 59.3	(4)	LONDON	19 JUL 57
BRUCE TULLOH	GB	35	3 59.3	(2)	WANGANUI	27 JAN 62
ZBIGNIEW ORYWAL	PL	30	3 59.7	(3)	LONDON	3 SEP 58
CHRIS CHATAWAY	GB	31	3 59.8	(2)	LONDON	28 MAY 55
TERENCE SULLIVAN	RHO	35	3 59.8	(2)	DUBLIN	23 SEP 60

MICHEL JAZY	F	36	3 59.8	(1)	LILLE	3 OCT 62
GORDON PIRIE	GB	31	3 59.9	(3)	DUBLIN	23 SEP 60
MICHAEL BLAGROVE	GB	34	4 00.0	(5)	LONDON	3 SEP 58
BRIAN HALL	GB	37	4 00.1	(1)	BLACKBURN	2 JAN 62
OLAVI SALLOLA	SF	33	4 00.2	(1)	TURKU	12 AUG 57
DAVID POWER	AUS	28	4 00.2	(2)	SYDNEY	6 JAN 60
INGVAR ERICSSON	S	27	4 00.4	(3)	MALMO	4 SEP 57
ERNE CUNLIFFE	USA	37	4 00.4	(2)	EUGENE ORE	23 APR 56
WESLEY SANTEE	USA	32	4 00.5	(1)	AUSTIN	2 APR
BILL CORNELL	GB	39	4 00.5	(2)	EUGENE ORE	16 JUN

STEFAN LEWANDOWSKI	PL	30	4 00.6	(5)	LONDON	19 JUL 57
BRIAN KEAT-SMITH	GB	35	4 00.7	(1)	LONDON	25 JUN 61
PETER KEELING	GB	36	4 00.7	(2)	BLACKBURN	6 JUN 62
JOHN CAMIE	USA	43	4 00.7	(5)	MODESTO CAL	25 MAY 63
FRED DWYER	USA	31	4 00.8	(3)	COMPTON	1 JUN 56
ARNE HAMARSLAND	N	33	4 00.8	(3)	VASTERAS	12 AUG 57
TOMAS SALTINER	CS	38	4 00.8	(1)	OXFORD	6 JUN 63
MORGAN GROTH	USA	43	4 00.8	(7)	COMPTON	7 JUN 53
ARTHUR HANNEMANN	D	35	4 00.9	(2)	POTSDAM	26 JUN 63

2-MILES (3218.69 METERS)

MICHEL JAZY	F	36	8 29.6	(1)	PARIS	1 JUN 63
JIM BEATTY	USA	34	8 29.8	(1)	LOS ANGELES	8 JUN 62
MURRAY HALBERG	NZ	33	8 30.0	(1)	JYVASKYLA	7 JUL 61
ALBERT THOMAS	AUS	35	8 32.0	(1)	DUBLIN	7 AUG 58
SANDOR IHAROS	H	30	8 33.4	(1)	LONDON	30 MAY 55
JERZY CHROMIK	PL	31	8 33.4	(2)	LONDON	3 SEP 58
BRUCE TULLOH	GB	35	8 33.7	(2)	HAMILTON	24 JAN 62
KENNETH WOOD	GB	30	8 34.8	(2)	LONDON	30 MAY 55
MICHEL BERNARD	F	31	8 34.8	(1)	CAMBRAI	31 AUG 63
ROBERT BOGEY	F	35	8 35.0	(2)	PARIS	6 JUN 63

RON CLARKE	AUS	37	8 35.2	(1)	MELBOURNE	10 DEC 63
MIROSLAV JUREK	CS	35	8 35.8	(2)	LONDON	22 MAY 61
JIM GRELE	USA	36	8 36.0	(2)	LOS ANGELES	8 JUN 62
KAZIMIERZ ZIMNY	PL	35	8 36.2	(3)	LONDON	3 SEP 58
DAVID POWER	AUS	28	8 37.2	(2)	SYDNEY	4 DEC 63
PETER CLARK	GB	33	8 37.6	(1)	LONDON	4 AUG 58
HERMANN BUHL	D	35	8 37.6	(4)	LONDON	22 MAY 61
HERB ELLIOTT	AUS	38	8 37.6	(2)	DUBLIN	7 AUG 58
GRAHAM EVERETT	GB	34	8 38.2	(5)	LONDON	22 MAY 61
HORST FLOSBACH	D	36	8 38.6	(6)	LONDON	22 MAY 61

OLAVI VUORISALO	SF	33	8 38.8	(1)	TURKU	17 SEP 57
BRIAN HALL	GB	37	8 38.8	(1)	BLACKBURN	4 JUL 62
GORDON PIRIE	GB	31	8 39.0	(2)	TURKU	17 SEP 57
ANTHONY COOK	AUS	37	8 39.0	(2)	MELBOURNE	10 DEC 63
JOHN ANDERSON	GB	36	8 40.0	(2)	MIDDLESBROUGH	15 JUN 59
BARRY MAGEE	NZ	34	8 40.2	(5)	HAMILTON	24 JAN 62
GASTON REIFF	B	21	8 40.4	(1)	PARIS	26 AUG 52
TOM ORIORDAN	EIR	37	8 40.4	(1)	DUBLIN	16 JUL 63
STANLEY ELDON	GB	36	8 40.6	(3)	MIDDLESBROUGH	15 JUN 59
WITOLD BARAN	PL	39	8 40.6	(1)	LONDON	28 SEP 62

CHRIS CHATAWAY	GB	31	8 41.0	(1)	LONDON	7 JUN 54
BRIAN CRAIG	GB	38	8 41.0	(2)	BLACKBURN	4 JUL 62
DEREK IBBOTSON	GB	32	8 41.2	(3)	TURKU	17 SEP 57
ROY FOWLER	GB	34	8 41.2	(2)	BRIGHTON	20 OCT 62
GASTON ROELANTS	B	37	8 41.2	(1)	EDINBURGH	17 AUG 63
BRUCE KIDD	CND	43	8 41.9	(1)	MODESTO	26 MAY 62
JOHN SNOWDEN	GB	37	8 41.9	(2)	BLACKBURN	11 SEP 63
NEVILLE SCOTT	NZ	35	8 42.2	(1)	AUCKLAND	1 MAR 60
MELVYN BATTY	GB	40	8 42.2	(3)	BRIGHTON	20 OCT 62
JOHN LANDY	AUS	30	8 42.4	(1)	PORT	25 JUN 54

DYROL BURLESON	USA	40	8 42.5	(1)	EUGENE ORE	7 APR 62
GUNDER HAGG	S	18	8 42.8	(1)	STOCKHOLM	4 AUG 44

MADE ON BANKED BOARD TRACK

BUB SCHUL	USA	37	8 37.5	(2)	CHICAGO	8 MAR 63
BRUCE KIDD	CND	43	8 39.0	(1)	NEW YORK	15 FEB 63

3-MILES (4828.08 METERS) I = INTERMEDIATE TIME DURING 5000 M RACE

MURRAY HALBERG	NZ	33	13 10.0	(1)	STOCKHOLM	25 JUL 61
ALBERT THOMAS	AUS	35	13 10.8	(1)	DUBLIN	9 JUL 58
BARRY MAGEE	NZ	34	13 11.2	(2)	STOCKHOLM	25 JUL 61
BRUCE TULLOH	GB	35	13 12.0	(1)	SOUTHAMPTON	17 AUG 61
SANDOR IHAROS	H	30	13 14.2 I	(1)	BUDAPEST	23 OCT 55
KAZIMIERZ ZIMNY	PL	35	13 15.6	(1)	LONDON	14 AUG 59
GORDON PIRIE	GB	31	13 16.4	(1)	LONDON	21 JUL 61
BRUCE KIDD	CND	43	13 17.0	(2)	LONDON	14 JUL 62
JIM BEATTY	USA	34	13 19.2 I	(1)	TURKU	24 AUG 62
DEREK IBBOTSON	GB	32	13 20.8	(1)	LONDON	13 JUL 57

NEVILLE SCOTT	NZ	35	13 20.8 I	(2)	MANUREWA	14 JAN 63
MAX TRUAX	USA	35	13 21.0	(3)	LONDON	21 JUL 61
STANLEY ELDON	GB	36	13 22.4	(1)	LONDON	12 JUL 58
BASIL HEATLEY	GB	33	13 22.8	(1)	COVENTRY	12 JUL 63
CHRIS CHATAWAY	GB	31	13 23.2	(1)	LONDON	30 JUL 55
DAVID POWER	AUS	28	13 24.0	(2)	DUBLIN	18 JUL 61
JOHN ANDERSON	GB	36	13 24.0	(1)	BILLINGHAM	23 JUN 62
PETER CLARK	GB	33	13 25.0 I	(1)	COLOMBES	13 SEP 58
EDWARD STRONG	GB	36	13 25.8	(3)	LONDON	9 JUN 62
PAT CLOHESSY	AUS	33	13 26.0 I	(2)	COMPTON	7 JUN 63

VLADIMIR KUTS	SU	27	13 26.4 I	(1)	PRAGUE	23 OCT 54
MIROSLAV JUREK	CS	35	13 26.4 I	(1)	UMERSKE HRADISTE	30 AUG 62
MICHEL BERNARD	F	31	13 26.4 I	(2)	COLOMBES	21 SEP 63
PYOTR BOLOTNIKOV	SU	30	13 27.0 I	(1)	PALO ALTO	22 JUL 62
TOM ORIORDAN	EIR	37	13 27.0	(2)	LONDON	13 JUL 63
JOHN LANDY	AUS	30	13 27.4	(1)	MELBOURNE	25 FEB 56
DON TAYLOR	GB	36	13 27.4	(3)	LONDON	13 JUL 63
CHARLES CLARK	USA	39	13 27.6	(2)	TORONTO	12 JUL 63
RON CLARKE	AUS	37	13 27.6 I	(1)	MELBOURNE	15 DEC 63
LASZLO TABORI	DP	31	13 28.0 I	(1)	COMPTON	3 JUN 60

FRANK SALVAT	GB	34	13 28.2 I	(1)	LONDON	1 AUG 60
MARIAN JOCHMAN	PL	35	13 28.4	(3)	LONDON	14 AUG 59
LECH BOGUSZEWICZ	PL	38	13 28.6	(3)	LONDON	29 SEP 62
OSVALDO SUAREZ	ARG	34	13 28.8	(3)	TORONTO	12 JUL 63

6 MILES (9656.07 METERS) I = INTERMEDIATE TIME DURING 10 000 M RACE

RON CLARKE	AUS	37	27 17.6 I	(1)	MELBOURNE	18 DEC 63
SANDOR IHAROS	H	30	27 43.8 I	(1)	BUDAPEST	15 JUL 56
ROY FOWLER	GB	34	27 49.8	(1)	LONDON	13 JUL 62
MICHAEL BULLIVANT	GB	34	27 49.8	(2)	LONDON	13 JUL 62
RON HILL	GB	38	27 49.8	(1)	LONDON	12 JUL 63
MARTIN HYMAN	GB	34	27 52.0	(3)	LONDON	13 JUL 62
MURRAY HALBERG	NZ	33	27 52.2 I	(1)	AUCKLAND	28 MAR 60
DAVID POWER	AUS	28	27 52.8	(1)	SYDNEY	19 JAN 60
DAVID STEPHENS	AUS	28	27 54.0	(1)	MELBOURNE	25 JAN 56
JIM HOGAN	EIR	33	27 54.2	(2)	LONDON	12 JUL 63

MELVYN BATTY	GB	40	27 56.6	(4)	LONDON	13 JUL 62
BASIL HEATLEY	GB	33	27 57.0	(2)	LONDON	3 AUG 63
BRUCE TULLOH	GB	35	27 57.4	(1)	LONDON	11 JUN 62
EMIL ZATOPEK	CS	22	27 59.2 I	(1)	BRUSSELS	1 JUN 54
RONALD GOMEZ	GB	35	27 59.4	(3)	LONDON	12 JUL 63
DON TAYLOR	GB	36	28 00.0 I	(1)	LONDON	23 AUG 63
LEONARD EDELEN	USA	37	28 00.8	(4)	LONDON	12 JUL 63
ROBERT VAGG	AUS	40	28 01.8	(1)	MELBOURNE	18 OCT 62
STANLEY ELDON	GB	36	28 05.0	(1)	CHISWICK	28 JUN 58
BILL BAILLIE	NZ	34	28 07.0	(1)	AUCKLAND	9 FEB 63

JOHN MERRIMAN	GB	36	28 07.4 I	(1T)	LONDON	7 AUG 61
ROBERT BOGEY	F	35	28 09.4 I	(1)	LONDON	30 JUL 60
BRUCE KIDD	CND	43	28 09.4	(1)	EAST YORK	4 AUG 62
GORDON PIRIE	GB	31	28 09.6	(1)	LONDON	15 JUL 60
ALLAN LAWRENCE	AUS	30	28 10.4	(1)	AUCKLAND	21 DEC 57
JEFF JULIAN	NZ	35	28 11.0	(2)	AUCKLAND	9 FEB 63
GERALD NORTH	GB	36	28 11.4	(6)	LONDON	12 JUL 63
VLADIMIR KUTS	SU	27	28 12.2	(1)	GENOA	19 OCT 57
KEN NORRIS	GB	31	28 13.6	(1)	LONDON	13 JUL 56
FAIZ KHUZIN	SU	34	28 13.6 I	(2)	LONDON	19 SEP 61

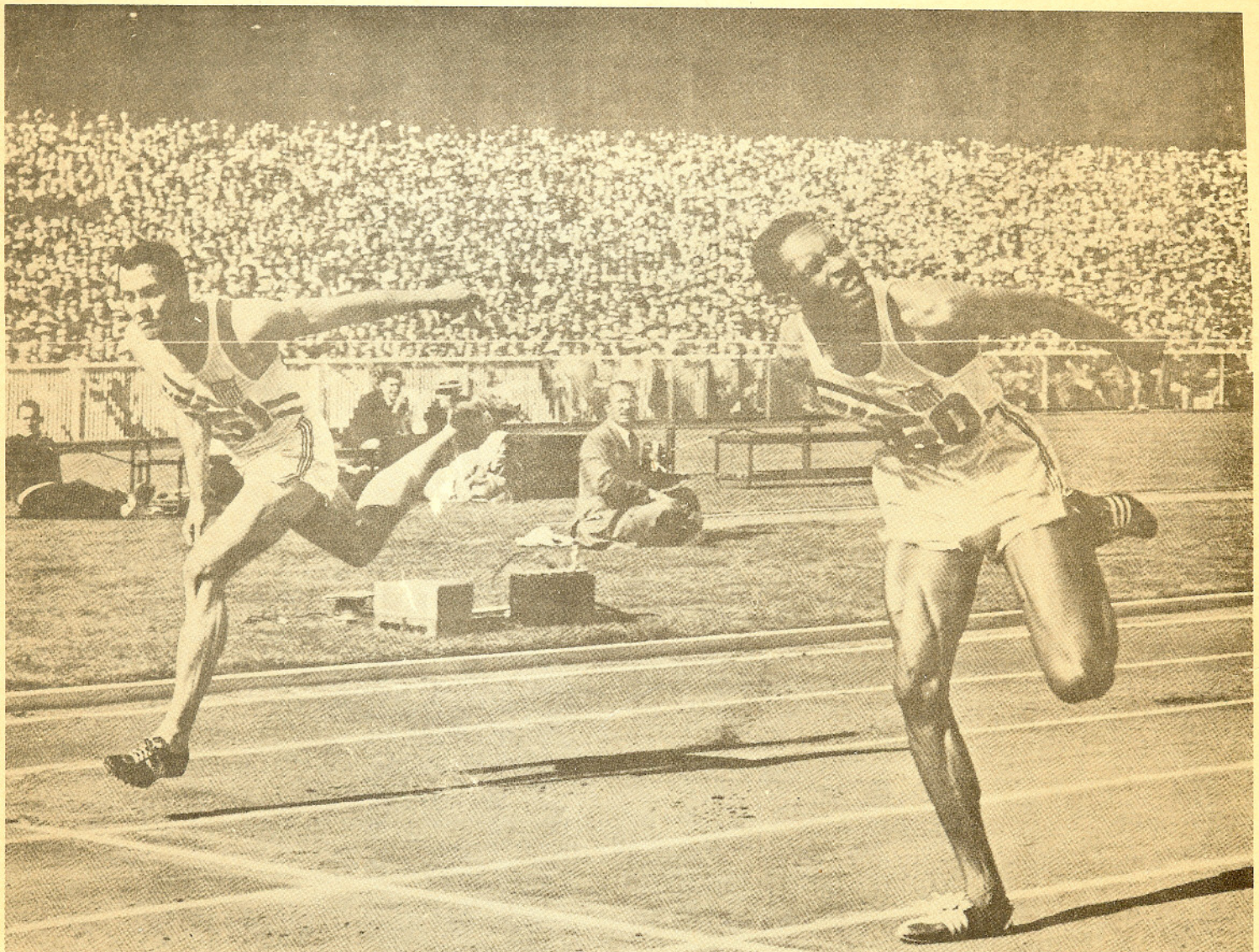
BARRY MAGEE	NZ	34	28 13.6	(3)	AUCKLAND	9 FEB 63
FRANK SANDO	GB	31	28 14.2	(2)	LONDON	13 JUL 56
MIKLOS SZABO	H	28	28 15.6 I	(3)	LONDON	7 AUG 61
HUGH FOORD	GB	29	28 16.4	(2)	CHISWICK	28 JUN 58

DECATHLON

YANG CHUAN-KWANG	FOR	33	9121	(1)	WALNUT CAL	27/28 APR 63
(10.7 7.17 13.22 1.92 47.7 14.0 40.99 4.84 71.75 5 02.4)				(1)	MEMPHIS	16/17 JUN 61
PHIL MULKEY	USA	33	8709	(1)	EUGENE	4 39 67.45 4 43.8)
(10.7 7.34 15.32 1.99 51.0 14.6 47.03 4.39 67.45 4 43.8)				(1)	EUGENE	8/ 9 JUL 60
RAFER JOHNSON	USA	35	8683	(1)	KIEV	3 97 71.09 5 09.9)
(10.6 7.55 15.85 1.78 48.6 14.5 51.98 3.97 71.09 5 09.9)				(1)	KIEV	5/ 6 SEP 61
YURIY KUTYENKO	SU	32	8361	(1)	MOSCOW	7 29 72.79 4 34.3)
(10.7 7.01 15.04 1.80 50.3 15.2 47.18 4.30 72.79 4 34.3)				(1)	MOSCOW	16/17 MAY 59
VASILIJ KUZNYETSOV	SU	32	8357	(1)	EUGENE	4 20 65.06 5 04.6)
(10.7 7.35 14.68 1.89 49.2 14.7 49.94 4.20 65.06 5 04.6)				(1)	EUGENE	8/ 9 APR 60
DAVID EDSTROM	USA	38	8176	(1)	HANNOVER	3 50 66.52 4 36.2)
(10.8 7.16 15.23 1.86 49.5 14.2 46.07 3.50 66.52 4 36.2)				(1)	HANNOVER	7/ 8 SEP 63
WILLI HOLDORF	D	40	8085	(1)	WALNUT CAL	3 90 53.92 4 33.5)
(10.5 7.27 14.68 1.79 48.6 14.5 45.71 3.90 53.92 4 33.5)				(2)	WALNUT CAL	27/28 APR 63
PAUL HERMAN	USA	41	8061	(2)	BELGRADE	4 38 61.34 4 35.0)
(11.2 7.42 13.41 1.89 49.3 14.8 43.74 4.38 61.34 4 35.0)				(2)	BELGRADE	13/14 SEP 62
WERNER VON MOLTKE	D	36	8022	(2)	DUSSELDORF	4 25 56.17 4 46.9)
(10.7 7.03 14.93 1.80 49.7 14.8 49.41 4.25 56.17 4 46.9)				(1)	DUSSELDORF	29/30 AUG 59
MARTIN LAUER	D	37	7955	(1)	MELBOURNE	3 09 56.33 4 34.6)
(10.2 7.22 14.28 1.83 48.5 13.8 36.88 3.09 56.33 4 34.6)				(1)	MELBOURNE	29/30 NOV 56

MILTON CAMPBELL	USA	33	7937	(1)	MELBOURNE	29/30 NOV 56
(10.8 7.33 14.76 1.89 48.8 14.0 44.98 3.40 57.08 4 50.6)				(1)	MEMPHIS	23/24 JUN 62
MANFRED BOCK	D	41	7893	(1)	HAMM	3 90 64.50 4 22.6)
(10.9 6.98 13.74 1.87 48.7 14.7 39.21 3.90 64.50 4 22.6)				(1)	HELSINKI	25/26 JUL 52
ROBERT MATTHIAS	USA	30	7887	(1)	HELSINKI	

RICHARD EMBERGER (11.0 6.62 12.17 1.93 49.7 14.6 7331	USA 38	(2)	CORVALLIS	28/29 JUN 63	MIKE HERMAN (10.8 8.00 13.28 1.88 53.3 14.6 7092	USA 37	(6)	EUGENE	8/ 9 JUL 60
ROBERT RICHARDS (11.1 7.09 14.02 1.91 51.4 15.8 7313	USA 26	(1)	PASADENA	30/31 JUL 54	MANFRED PFLUGBEIL (10.9 6.82 13.74 1.82 50.1 15.1 7078	D 42	(5)	BAD REICHENH	1/ 2 JUN 63
GLENN MORRIS (11.1 6.97 14.10 1.85 49.4 14.9 7298	USA 12	(1)	BERLIN	7/ 8 AUG 36	ROBERT CLARK (10.7 7.91 12.65 1.76 51.6 15.7 7072	USA 13	(2)	MILWAUKEE	26/27 JUN 36
WALTER TSCHUDI (10.7 7.15 13.76 1.80 48.3 14.8 7254	CH 33	(1)	DUISBURG	18/19 JUL 59	ROBERT LAWSON (10.9 6.84 13.20 1.89 50.7 15.1 7063	USA 35	(1)	LOS ANGELES	30/31 MAY 55
MARKUS KAHMA (11.4 6.92 15.38 1.73 50.5 15.7 7207	SF 32	(1)	HELSINKI	27/28 AUG 61	JOZSEF BAKAI (11.0 6.95 14.38 1.75 51.6 16.2 7040	H 42	(1)	BUDAPEST	26/27 OCT 63
HERMAN KLIMOV (10.6 7.37 14.05 1.85 49.9 15.7 7185	SU 41	(3)	TASHKENT	18/19 OCT 62	REIN AUN (11.4 6.88 13.51 1.86 50.9 16.3 7023	SU 40	(1)	TBILISI	25/26 JUL 62
JIM KLEIN (10.7 7.26 13.14 1.78 51.0 15.3 7184	USA 32	(5)	EUGENE	8/ 9 JUL 60	FRITZ VOGELSANG (10.7 7.11 11.88 1.73 50.1 15.1 7021	CH 32	(1)	BERN	30/31 JUL 60
IGOR TER-OVANESYAN (11.0 7.45 13.56 1.90 50.0 15.5 7164	SU 38	(3)	TBILISI	31 OCT/ 1 NOV 58	GENE FREUDENTHAL (11.0 6.74 15.11 1.87 54.2 16.0 7018	USA 36	(2)	WALNUT CAL	22/23 APR 60
CHARLES PRATT (10.4 6.89 12.07 1.88 48.7 14.1 7141	USA 33	(1)	KINGSBURG CAL	28/29 JUN 57	STEVE ANDERSON (10.7 7.85 12.60 1.78 51.5 15.0 6992	USA 36	(7)	EUGENE	8/ 9 JUL 60
KLAUS GROGORENZ (10.6 7.26 12.34 1.78 47.7 16.4 7135	D 37	(3)	SCHWEINFURT	16/17 JUL 60	HERMAN TIMME (11.0 6.96 14.67 1.86 51.1 15.0 6991	D 37	(2)	VLAARDINGEN	6/ 7 AUG 60
HANS-HEINRICH SIEVERT (11.1 7.48 15.31 1.80 52.2 15.8 7134	D 09	(1)	HAMBURG	7/ 8 JUL 34	TORBJORN LASSENIUS (11.6 6.93 12.92 1.75 50.6 15.2 6983	NL 33	(2)	HAMBURG	22/23 SEP 56
HORST BEYER (11.2 7.11 14.32 1.85 51.6 15.4 7129	D 40	(1)	SCHWEINFURT	18/19 MAY 63	VALBJORN THORLAKSSON (10.8 6.81 12.44 1.80 51.5 15.3 6979	SF 31	(1)	REYKJAVIK	27/28 AUG 62
HEINZ GABRIEL (11.0 6.91 12.63 1.78 49.0 16.0 7112	D 39	(1)	DARMSTADT	28/29 SEP 63	DIETER MOHRING (11.3 6.68 14.94 1.71 50.9 16.6 6977	SU 33	(1)	LEIPZIG	26/27 JUL 58
HEINO TIJK (11.0 6.90 14.37 1.83 51.1 16.0 7110	SU 33	(2)	TALLINN	4/ 5 JUN 60	EDUARD ORTSIYEV (11.4 7.06 14.52 1.80 52.8 16.3 44.72	D 31	(1)	YALTA	30 SEP/ 1 OCT 63
RUSS HODGE (11.3 6.84 14.72 1.82 50.6 16.5 7110	USA	(4)	CORVALLIS	28/29 JUN 63		SU 39	(1)		
HEINO LIPP (11.4 6.13 16.18 1.70 50.2 15.4 47.55	SU 22	(1)	CHARKOV	10/11 SEP 48					



Lee Calhoun, USA, right nips Jack Davis, USA, in 1956 110 meters high hurdles. Calhoun also won in 1960 and Davis also was second in 1952.

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