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Edited by Hal Bateman

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OLYMPIC GAMES, Rome, Aug. 31 thru Sept. 8.

- 100m - Hary, Germany, 10.2; Sime, US, 10.2; Radford, GB, 10.3; Figuerola, Cuba, 10.3; Budd, US, 10.3; Norton, US, 10.3. New Olympic record.
- 200m - Berruti, Italy, 20.5; Carney, US, 20.6; Seye, France, 20.7; Foik, Pol, 20.8; Johnson, US, 20.8; Norton, US, 20.9. Equals world record; new Olympic record.
- 400m - Davis, US, 44.9; Kaufmann, Ger, 44.9; Spence, So Africa, 45.5; Singh, India, 45.6; Kinder, Ger, 45.9; Young, US, 45.9. New world record.
- 800m - Snell, NZ, 1:46.3; Moens, Belgium, 1:46.5; Kerr, WI, 1:47.1; Schmidt, Ger, 1:47.6; Waegli, Switz, 1:48.1; Matuschewski, Ger, 1:52.0. Olympic record.
- 1500 - Elliott, Australia, 3:35.6; Jazy, France, 3:38.4; Rozsavolgyi, Hungary, 3:39.2; Waern, Sweden, 3:40.0; Vamos, Romania, 3:40.8; Burleson, US, 3:40.9. World record.
- 3000m Steeple - Krzyszkowiak, Pol, 8:34.2; Sokolov, USSR, 8:36.4; Rzhishchin, USSR, 8:42.2; Roelants, Belgium, 8:47.6; Tjernebo, Sweden, 8:58.6; Muller, Ger, 9:01.6. OR.
- 5000m - Halberg, NZ, 13:43.4; Grodotski, Ger, 13:44.6; Zimny, Pol, 13:44.8; Janke, Ger, 13:46.8; Power, Australia, 13:51.8; Nyandika, Kenya, 13:52.8. Olympic record.
- 10,000m - Bolotnikov, USSR, 28:32.2; Grodotski, Ger, 28:37.0; Power, Australia, 28:38.2; Desiatchikov, USSR, 28:39.6; Halberg, NZ, 28:48.5; Truex, US, 28:50.2. Olympic Rec.
- Marathon - Bikila, Ethiopia, 2:15:16.2; Rhadi, Morocco, 2:15:41.6; McGee, NZ, 2:17:18.2; Vorobiev, USSR, 2:19:19; Popov, USSR, 2:19:21; Togersen, Denmark, 2:21:03. OR.
- 110H - Calhoun, US, 13.8; May, US, 13.8; Jones, US, 14.0; Lauer, Ger, 14.0; Gardner, West Indies, 14.4; Chistiakov, USSR, 14.6.
- 400mH - Davis, US, 49.3; Cushman, US, 49.6; Howard, US, 49.7; Janz, Ger, 49.9; Rintamaki, Finland, 50.8; Galliker, Switz, 51.0. Olympic record. European record.
- High Jump - Shavlakadze, USSR, 7'1; Brumel, USSR, 7'1; Thomas, USA, 7'1 $\frac{1}{4}$ "; Bolshov, USSR, 7'1 $\frac{1}{4}$ "; Pettersson, Sweden, 6'10 $\frac{1}{4}$ "; Dumas, US, 6'7 $\frac{7}{8}$ ". Olympic record.
- Broad jump - Boston, US, 26'7 $\frac{5}{8}$ "; Roberson, US, 26'7 $\frac{1}{4}$ "; Ter Ovanesyan, USSR, 26'4 $\frac{1}{2}$ "; Steinbach, Ger, 26'3; Valkama, Fin, 25'2 $\frac{3}{4}$ "; Collardot, Fr, 25'2 $\frac{3}{8}$ ". Olympic record.
- Pole vault - Bragg, US, 15'5; Morris, US, 15'1 $\frac{1}{4}$ "; Landstrom, Finland, 14'11 $\frac{1}{4}$ "; Cruz, Puerto Rico, 14'11 $\frac{1}{4}$ "; Malcher, Ger, 14'9 $\frac{1}{4}$ "; Sutinen, Finland, 14'9 $\frac{1}{4}$ ". Olympic record.
- Hop-Step-Jump - Schmidt, Pol, 55'1 $\frac{1}{4}$ "; Gorayev, USSR, 54'6 $\frac{3}{4}$ "; Kreyer, USSR, 53'10 $\frac{7}{8}$ "; Davis, US, 53'10 (US record); Einarsson, Iceland, 53'8 $\frac{1}{2}$ "; Malcherczyk, Pol, 52'6 $\frac{3}{8}$ ". OR.
- Shot Put - Nieder, US, 64'6 $\frac{3}{4}$ "; O'Brien, US, 62'8 $\frac{3}{8}$ "; Long, US, 62'4 $\frac{3}{8}$ "; Lipsnis, USSR, 58'8 $\frac{3}{4}$ "; Lindsay, GB, 58'4 $\frac{3}{4}$ "; Sosgornik, Pol, 57'7 $\frac{3}{4}$ ". OR.
- Discus - Oerter, US, 194'2; Babka, US, 190'4 $\frac{1}{4}$ "; Cochran, US, 187'6 $\frac{3}{8}$ "; Szecsenyi, Hungary, 183'1 $\frac{1}{2}$ "; Piatkowski, Pol, 180'10 $\frac{1}{8}$ "; Kompanyets, USSR, 180'7 $\frac{3}{4}$ ". Olympic Record.
- Javelin - Tsibulenko, USSR, 277'8 $\frac{3}{8}$ "; Kruger, Ger, 260'4 $\frac{1}{2}$ "; Kulcsar, Hungary, 257'9 $\frac{3}{8}$ "; Kuisma, Finland, 257'2 $\frac{3}{8}$ "; Rasmussen, Norway, 257'1 $\frac{1}{8}$ "; Fredriksson, Sweden, 256'11 $\frac{7}{8}$ ".
- Hammer - Rudenkov, USSR, 220'1 $\frac{3}{4}$ "; Zsivotsky, Hungary, 215'10 $\frac{1}{4}$ "; Rut, Pol, 215'4 $\frac{1}{4}$ "; Lawlor, Ireland, 213'1 $\frac{1}{8}$ "; Cieply, Pol, 211'10 $\frac{1}{8}$ "; Bezjak, Yugo, 210'8; Olympic record.
- Decathlon - Johnson, US, 8392; Yang, China, 8334; Kuznyetsov, USSR, 7809; Kutynko, USSR, 7567; Kamerbeek, 7236; Sar, Italy, 7195. Olympic record.
- 400R - Germany, 39.5; USSR, 40.1; GB 40.2; Itlay 40.2; Venezuela 40.7. USA disq. (39.4)
- 1600R US 3:02.2; Germany 3:02.7; West Indies 3:04; So. Africa 3:05; GB 3:08.3; Switz 3:09.4.
- 20,000m Walk - Golubnichiy, USSR, 1:34:07.2; Freeman, Aus, 1:34:16.4; Vickers, GB.
- 50,000m Walk Thompson, GB, 4:25:30.0; Ljunggren, Sweden, 4:25:47.0; Pamich, Italy.

ATHENS, Greece US vs. Greece & 11 Germans. Sept. 10: 110H May 14.1; Calhoun 14.1; HJ-Thomas 7'³/₈"; Pull, Ger, 6'⁴/₈"; Shot-Nieder 63'10¹/₈"; O'Brien 61'11¹/₄"; Long 57'7³/₈"; Tsakanikas, Gr, 56'2³/₈". 400 - Woods 47.4; G. Davis 48.1; Haas, Ger, 48.3; Siebert 48.8; 1500m -Close 3:50.8; Schwarte, Ger, 3:51.7; Cunliffe, 3:52.2; Depastas, Gr, 3:53.9; Murphy, 4:00.0; Jones 4:03.0. 100-Norton 10.5; Johnson 10.5; Germar 10.7; 100 -Budd 10.4; Winder 10.6. 5000- Dellinger 14:25.0; Flosbach, Ger, 14:26.2. 400R - US 40.7; Germany 41.2; Greece 42.2. BJ-Boston 25'7⁷/₈"; Roberson 25'2³/₄"; Maglaras, Gr, 24'10³/₈"; Sept. 11: 400H -Davis 51.0; Janz, Ger, 51.5; Cushman 52.3; Howard 53.0. HT-Hall 204'11⁷/₈"; Bagdonas 191'6¹/₂"; Politis 187'10³/₄", Greek record. JT-Solomon, Ger, 247'6¹/₂"; Anifantakis, 241'9¹/₄", Greek record; Alley, 222'10; Steeple-Papavassilious, Gr, 8:47.8; Young 9:01; Muller, Ger, 9:12.6. PV- Bragg, Clark, Morris, Roubanis, Greece, all 14'5¹/₄"; DT-Oerter, 191'2⁷/₈"; Babka 187'4; Cochran 181'5³/₈"; O'Brien 179'2; Kounadis, Gr, 174'2¹/₄"; 200 -Johnson 21.2; Carney 21.7; Germar 21.8; 200- Woods 21.3; Wendelin, Ger, 21.5. 800 -Yerman 1:51.1; Burleson 1:51.2; Schwarte, Ger, 1:52.0. 10.000 - Soth 31:40.6. HSJ-Sharpe 50'4¹/₄"; Davis 49'9⁵/₈"; Stokes 48'9⁷/₈".

USA 14, BRITISH COMMONWEALTH 3, London, Sept. 14 (rain): DT Oerter 194'1¹/₂"; Babka 187'11; Selvey, Austr, 171'4; PV-Morris 14'6; Bragg 14'6; Steeple -Coleman 8:50.2; Palmer, GB, 8:50.4; Young 8:53.6; Herriott, GB, 8:54.4. HT-Connolly 212'8; Bagdonas 205'10; Hall 205'8. 440R -US 40.1; BC 40.1. 2-mile R BC 7:18.0, US 7:19.4, both times bettering world record. JT- Cantello 252'5; Smith, GB, 234'2¹/₂"; Alley 221.6; HSJ- Tomlinson, Austr, 50'5¹/₂"; Sharpe, US, 49'3¹/₂"; Davis 47'11. Baguley, 39'. 120H -May 14.1; Calhoun 14.2; Gardner 14.4; HJ - Thomas 7'; Boston 6'7; Kotei, Ghana, 6'7; Fairborther, GB, 6'7. 440H-Davis 50.1; Cushman 51.4; Goudge 52.0. Mile -Elliott, Aus, 3:58.6; Sullivan, Rhodesia, 4:00.9; Burleson, US, 4:02.1; Grelle 4:02.3; Lincoln 4:07.2; Close 4:11.5; BJ - Roberson 25'9¹/₄"; Boston 24'9³/₄"; 880R - USA 1:22.9; BE 1:23.6. Two-mile-Halberg, NZ, 8:41.8; Dellinger, 8:43.8, US record; Truex, 8:44.6; Thomas, Aus, 8:52.6. Mile R - US 3:06.4; BE 3:07.1. Shot Nieder 64'9¹/₄" European all-comers record; O'Brien 60'2; Lindsay 55'9; Lucking 54'9; Long 55'5¹/₄".

OSLO, Sept. 10: 100-Johnson, WI, 10.4; Bunaes, Norway, 10.6; Segal, GB, 10.7; 400- Singh, India, 46.3; Gosper, Aus, 46.3; Spence, WI, 47.1; 800- Moens 1:48.3, Kerr 1:48.4; Leps, Can, 1:49.6; Mullins, Can, 1:50.1; Blue, Aus, 1:50.2. 3000-Bernard, 7:57.0, French record; Thomas, Aus, 8:09; Janke, Ger, 8:18. Steeple-Sokolov, USSR, 8:41.2; Tjoernebo, Sweden, 9:02.4; BJ-Valkama, Fin, 24'4⁷/₈"; Visser, Hol, 24'4¹/₂"; Kropidowski, 24'4¹/₂". PV- Preussger 15'8¹¹/₁₆", Landstrom 14'9¹/₄", Sutinen, Fin, 14'1¹/₄". Shot-Rowe 60'11¹/₈"; Sosgornik, Pol, 58'9⁵/₈"; Lindsay, GB, 55'8¹/₈". HT-Strandli, Nor, 205'11¹/₄"; Cieply, Pol, 198'7⁷/₈"; Sept. 11: 200 - Segal 21.1; Johnson 21.1; Bertrand 21.3. 1500- Bernard 3:43.7; Tabori 3:43.8; Lincoln, Aus, 3:46.9; Blue, Aus, 3:48.4. 5000 -Desyatchikov, USSR, 14:16.2; Janke, Ger, 14:16.2; Salvat, GB, 14:25.8. 400H -Rintamaki, Fin, 51.6; Goudge, GB, 52.5; Thompson, US, 52.9. HJ - Bolshov, USSR, 6'10¹/₄"; Nilsson, Sweden, 6'6³/₈"; DT-Piatkowski, 182'5³/₄"; Haugen, Norway, 174'4¹/₈". Javelin - Sidlo, Pol, 265'7¹/₈"; Fredriksson, Sweden, 242'2³/₈".

MISCELLANEOUS: France, Sept. 11, Delecour 10.5, Jazy 1:51.9. Carrare, Italy, Sept. 10--Shavlakadze 6'11¹/₈", exhibition; Tsibulenko, exhibition, 253'2⁵/₈". Cologne, Sept. 14--Winder 20.9, Seye, France 21.1; Wendelin, Germany, 21.2. Winder 10.4, Schuettler, Germany, 10.5; Lauer, Ger, 10.5. Another 100, Hary, 10.3.

BULLETIN BOARD

This issue mailed two days later than usual because first of staff just arrived back from the Olympics.

Next Newsletter Sept. 28. Olympic issue T&FN mailed Sept. 29.

WIND SPRINTS

Marathon champ Bikila Abebe has been invited to the midnight run at Sao Paulo, Brazil... Tamara Press has upped the women's discus record to 187'6. ...an international meet at London Sept. 28 will match Herb Elliott against Siegfried Valentin... the British Commonwealth two-mile relay team will not get a world record for its 7:18.0 because it is a composite team, so the record will go to the U.S. Team members Jack Yerman and Jerry Siebert were on the California foursome that set the old record at 7:20.9....

STATS

Evolution of the world 1500m record

3:55.8	A.R. Kiviat, US	1912	3:43.0	L. Strand, Sweden	1947
3:54.7	J. Zander, Sweden	1917	3:43.0	W. Lueg, Germany	1952
3:52.6	P. Nurmi, Finland	1924	3:42.8	W. Santee, U.S.	1954
3:51.0	O. Peltzer, Germany	1926	3:41.8	J. Landy, Australia	1954
3:49.2	J. Ladoumegue, France	1930	3:40.8	S. Iharos, Hungary	1955
3:49.2	L. Beccali, Italy	1933	3:40.8	L. Tabori, Hungary	1955
3:49.0	L. Beccali, Italy	1933	3:40.8	G. Nielsen, Denmark	1955
3:48.8	W.R. Bonthron, U.S.	1934	3:40.6	I. Rozsavolgyi, Hungary	1956
3:47.8	J. Lovelock, N.Z.	1936	3:40.2	O. Salsola, Finland	1957
3:47.6	G. Hagg, Sweden	1942	3:40.2	O. Salonen, Finland	1957
3:45.0	A. Andersson, Sweden	1943	3:38.1	S. Jungwirth, Czechoslovakia	1957
3:43.0	G. Hagg, Sweden	1944	3:36.0	H. Elliott, Australia	1958
			3:35.6	H. Elliott, Australia	1960

Evolution of the world 4x400m Relay record

3:18.2	U.S.A. (Schaaf, Sheppard, Gissing, Rosenberger)	1911
3:16.6	U.S.A. (Sheppard, Reidpath, Meredith, Lindberg)	1912
3:16.0	U.S.A. (Cochran, Helffrich, McDonald, Stevenson)	1924
3:14.2	U.S.A. (Baird, Alderman, Spencer, Barbuti)	1928
3:12.6	Stanford University (Shore, A. Hables, L. Hables, Eastman)	1931
3:08.2	U.S.A. (Fuqua, Ablowich, Warner, Carr)	1932
3:03.9	Jamaica (Wint, Laing, McKenley, Rhoden)	1952
3:02.2	U.S.A. (Yerman, Young, G. Davis, O. Davis)	1960

Evolution of the world 4x880 yard relay record

7:53.0	U.S.A. (Riley, Bromflow, Sheppard, Kiviat)	1910
7:50.4	Oxford & Cambridge (Tatham, Stallard, Milligan, Rudd)	1920
7:49.4	U. of Pennsylvania (Meredith, Holden, McMullen, Brown)	1922
7:47.6	Boston College (McKillop, Mahoney, Cavanaugh, Welch)	1924
7:42.0	Georgetown U. (Swinburne, Holden, Sullivan, Marsters)	1925
7:41.4	Boston A.A. (Martin, Sansone, Welch, Hahn)	1926
7:35.8	U.S.A. (Hornbostel, Young, Williamson, Woodruff)	1936
7:34.5	U. of California (Reese, Klemmer, Peter, Barnes)	1941
7:30.6	G. Britain & N. Ireland (Nankeville, Webster, Evans, Parlett)	1951
7:29.2	U.S.A. (Ashenfelter, Pearman, Barnes, Whitfield)	1952
7:27.3	Fordham U. (Foley, Tarsney, Persichetty, Courtney)	1954
7:23.0	U.S.A. (Walters, Spurrier, Sowell, Courtney)	1956
7:22.8	Occidental College (White, Reisbord, Wray, Hadley)	1957
7:20.9	U. of California (Orme, Siebert, Yerman, Bowden)	1958
7:19.4	U.S.A. (Cunliffe, Murphy, Yerman, Siebert)	1960

10,000 Meter all time List

Underwent drastic revision in Olympics. Now 15 runners under 29 minutes, of whom 12 ran in the Games. Seven of all-time best 15 marks were made in that one race.

28:30.4	Vladimir Kuts, USSR	1956	28:53.6	Al Lawrence, Australia	1956
28:32.2	Pyotr Bolotnikov, USSR	1960*	28:54.2	Emil Zatopek, Czech.	1954
28:37.0	Hans Grodotski, Germany	1960*	28:58.0	Aleksandr Artinyuk, USSR	1960
28:38.2	Dave Power, Australia	1960*	28:58.6	Yevgeniy Zuhkov, USSR	1958
28:39.6	Aleksey Desyatchikov, USSR	1960*			
28:42.8	Sandor Iharos, Hungary	1956			
28:48.0	Murray Halberg, N.Z.	1960			
28:50.2	Max Truex, U.S.	1960*			
28:52.4	Jozsef Kovacs, Hungary	1956			
28:52.4	Zsuzislaw Krzyszkowiak, P	1960*			
28:52.6	John Merriman, G.B.	1960*			

* = made in 1960 Olympics

By Dave Batchelor

(Includes all marks of 175 feet or better made up to Aug. 15)

230'9"	Harold Connolly (S.C. Striders)	Walnut, Calif.	8/12/60
220'7"	Albert Hall (U.S. Army)	Ft. Lee, Va.	6/13/58
216'4½"	Clifford Blair (Boston AA)	Needham, Mass.	7/4/56
213'10"	John Lawlor (Boston AA)	Bakersfield, Calif.	6/24/60
205'11"	Edward Bagdonas (U.S. Army)	Stanford, Calif.	7/1/60
203'8"	Thomas Pagani (New York A.C.)	Los Angeles, Calif.	6/10/60
202'6½"	Martin Engel (New York P.C.)	New York, N.Y.	6/11/60
202'4"	William McWilliams (U.S. Army)	Philadelphia, Pa.	4/29/60
201'5½"	Robert Backus (New York A.C.)	New York, N.Y.	6/6/59
197'8½"	John Morefield (M.I.T.)	Needham, Mass.	6/5/56
197'8½"	Stanley Doten (Harvard)	Berkeley, Calif.	6/17/60
192'10"	Eino Keerd (Boston U.)	Philadelphia, Pa.	4/24/59
192'5½"	Judson Sage (New York P.C.)	Bakersfield, Calif.	6/24/60
191'2"	Stewart Thomson (New York A.C.)	New Britain, Conn.	5/29/60
189'6½"	Patrick Ryan (I.A.A.C.)	Celtic Pk., L.I., N.Y.	8/17/13
187'7¼"	Samuel Felton (New York A.C.)	Travers Island, N.Y.	6/3/50
187'4"	Matthew McGrath (New York A.C.)	New York, N.Y.	10/29/11
186'10"	Donald Seifert (Brown U.)	New York, N.Y.	5/28/55
185'7"	Edward Bailey (Harvard)	Hanover, N.H.	5/7/60
184'7½"	Nathan Baker (Boston U.)	New York, N.Y.	5/28/55
184'4"	John Flanagan (I.A.A.C.)	New Haven, Conn.	7/24/09
184'3.42"	Irving Folsworth (USA)	Osnabruck, Germany	8/21/38
183'10¾"	Robert Bennett (Maine)	Springfield, Mass.	5/24/40
183'6"	Stephen Dillon (Manhattan)	Pelham Manor, N.Y.	5/16/53
183'3⅞"	Henry Dreyer (New York A.C.)	Travers Island, N.Y.	5/14/49
183'	Thomas Mullins (U. of Hawaii)		/56
182'8"	Thomas Bane (U.S. Navy)	Baltimore, Md.	5/25/52
182'6 7/16"	Stanley Johnson (una)	Fresno, Calif.	6/30/40
182'4½"	Peter Harpel (Harvard)	Cambridge, Mass.	4/20/57
182'4½"	Terry Horne (Maine)	Orono, Maine	5/7/60
181'11.86"	William Lynch (USA)	Osnabruck, Germany	8/21/38
181'7½"	Richard Jungeman (U.S. Air Force)		/57
181'6½"	Frederick Tootell (Bowdoin)	Philadelphia, Pa.	5/25/23
181'5"	John Bard (USA)	London, England	4/7/56
181'	Thomas Henderson (U.S. Army)		8/4/56
180'11¾"	John McLaughry (Brown U.)	Travers Island, N.Y.	6/3/39
180'11"	Roger Wilson (Harvard)	Berkeley, Calif.	6/17/60
180'7½"	Robert Taylor (Rhode Island)	Philadelphia, Pa.	4/30/55
180'4⅞"	Joseph Chadbourne (Yale)	Annapolis, Md.	4/19/52
180'1⅞"	Gilbert Borjeson (Brown U.)	New York, N.Y.	5/31/52
180'	Albert Jongewaard (SCVYV)	Stanford, Calif.	7/30/60
179'3"	Matthew Flaherty (New Hampshire)	Durham, N.H.	5/27/39
178'7½"	James Doty (Harvard)	New Haven, Conn.	5/9/59
178'5¼"	Curtis Guild (Springfield)	Cambridge, Mass.	5/22/54
178'2"	John DuMoulin (Harvard)	Cambridge, Mass.	5/10/58
177'10¾"	Frank Connor (Yale)	Cambridge, Mass.	5/31/30
177'9¼"	Carl Goldman (Harvard)	Cambridge, Mass.	4/30/55
177'7"	Paul Boguski (Cornell)	Annapolis, Md.	5/17/58
177'6½"	Cornelius Walsh (New York A.C.)	Pittsburgh, Pa.	7/1/11
177'4"	Donald Favor (Maine)	Cambridge, Mass.	6/27/36
177'2½"	James Burnham (Dartmouth)	Travers Island, N.Y.	6/5/48
177'2"	Paul Dougherty (Army)	West Point, N.Y.	5/12/56
177'1"	William Rowe (Rhode Island)	Worcester, Mass.	5/16/36
177'⅝"	Stanley Citron (New York University)	New York, N.Y.	5/30/53
176'11½"	Sergio Betancourt (Cornell)	West Point, N.Y.	5/12/56
176'11⅞"	James Scholtz (Army)	Philadelphia, Pa.	5/14/49

176'6 $\frac{1}{2}$ "	Kenneth Bantum (U. S. Army)		/58
176'6 $\frac{1}{4}$ "	Harold Bailey (Maine)	Orono, Maine	5/8/15
176'2 $\frac{1}{2}$ "	Chester Cruikshank (una)	Fresno, Calif.	6/29/40
175'10 $\frac{1}{2}$ "	Thomas Johnson (New Hampshire)	Cambridge, Mass.	5/5/56
175'10"	Karl Shattuck (California)	Berkeley, Calif.	4/13/13
175'9 $\frac{1}{2}$ "	Thomas Richmond (Dartmouth)	Travers Island, N. Y.	6/3/50
175'3"	Ralph Maughan (Utah State)	Rigby, Utah	4/ /48

Note: Marks made by two non-citizens, Lawlor and Mullins, are included because they were competing for American clubs or colleges.

10 YEARS OF TRACK AND FIELD

Part XV -- The Hammer Throw

By Humphrey J. Long

World Record:

1950
195'5"

1960
225'4"

Progress in the hammer event had been very slow since the 1913 world record of 189'6 $\frac{1}{2}$ " by Pat Ryan. The world record had been improved only three times since 1913 and in 1950 the record stood at 195'5", a mark set by Imre Nemeth of Hungary. This 33-year-old Olympic champion bettered his own record by over a foot on May 19, 1950, but soon afterwards was beaten by veteran Russian Aleksandr Kanaki for his first loss since 1946.

Unfortunately Hungary didn't compete in the European Championships and it was left to up and coming Norwegian Sverre Strandli to take the title with a 182'9 $\frac{1}{4}$ ". He was the only athlete who bettered 180 feet. The following season was dominated by the sturdy Norwegian with some great throwing in the 190'-plus region. He exchanged wins with Nemeth but must have noted the rise of another Hungarian, Jozsef Csermak, who, at 19, topped 183 feet during the season.

Strandli opened the Olympic campaign in fine form but there was little to choose from between him and the two German veterans, Karl Storch and Karl Wolf, as the favorite in Helsinki. Nemeth was his usual consistent self and everything was set for a great Olympic competition. However, it exceeded everyone's expectations. The sixth man equalled the meet record of 185'5" but was still a long way behind the winner, Csermak. This surprising youngster succeeded his mentor, Nemeth, as Olympic champion and world record holder as he effortlessly tossed the 16-pound ball 197'11 $\frac{1}{8}$ ". Storch, 19 years Csermak's senior, was second with 193'1 $\frac{1}{2}$ " and Nemeth fourth. In this hot contest, Strandli, tying up badly, was never in the hunt for medals but, on Sept. 14 at Oslo, became the first man to exceed 200 feet with a throw of 200'11 $\frac{3}{8}$ ". Two weeks after Strandli's effort, Storch set a German record of 199'4 $\frac{1}{2}$ " and in October 23-year-old Mikhail Krivonosov hit 198'6 $\frac{1}{4}$ " for a new Russian best. Strandli improved the world record to 204'7" almost a year later at Oslo and the 200-foot barrier also was broken by Milos Maca of Czechoslovakia with a toss of 200'1 $\frac{1}{2}$ ". Yet the shock of the year came on Dec. 5 when Stanislav Nyenashev, a 19-year-old boy wonder, hurled the hammer 199'1 $\frac{3}{4}$ " in his hometown of Baku. His mark was a Russian record and added to Krivonosov's exploits probably had much to do with increasing the interest in this event in Russia.

Standards were rising all over Europe with the 1954 European Championships as the main incentive. Csermak became the third man to go over the 200-foot mark with a toss of 200'7" on May 30 in Budapest. Krivonosov recaptured his Russian record, also in May, with 199'3 $\frac{1}{2}$ " and improved it to 200'5 $\frac{3}{4}$ " in June. Later the same month the Russian met Csermak in Warsaw and for the first time in history two throwers bettered 200 feet in the same meet with the Hungarian just winning. A month later, Csermak improved even more to 201'5" but had his record marred by a defeat at the hands of Strandli, just rounding into form for Bern. The big three fought it out in the Neufeld Stadium on Aug. 29 for the European gold medal. Strandli opened with 200'4 $\frac{1}{2}$ " and seemed to have it won until the fourth round came up. Then the tall, strong Russian whipped around three times in the circle and flung the ball and chain away from himself. Amazement stunned the crowd as the implement sailed through the air and thudded into the ground beyond the world record flag. The throw measured 207'9 $\frac{3}{4}$ " and naturally demoralized the opposition. Csermak was third and then came Tadeusz Rut, who set a Polish record of 189'3 $\frac{1}{2}$ ". Rut improved to 196'5" later in the season but once again the

year ended sensationally with news from Baku. Just as he had a year previously Nyenashev demonstrated his amazing winter form with a throw of 210'1½" on Dec. 12.

This mark stood for about nine months until Krivonosov first reached 211'½" in August and 211'8½" a month later. Although six other Europeans, including Nyenashev, were over 200 feet, big Mik was way ahead of them all. Surprisingly, the main challenge seemed to be coming from the U.S. where Hal Connolly, after taking the national title with 199'8", hit 209'7" on Oct. 1. Just to prove this was no fluke, the Boston strongboy was over 200 feet six times during the season, the best throwing ever done outside Europe. Krivonosov opened the 1956 Olympic year with a remarkable 216'½" at Nalchik in April. From across the seas came the reply in the form of a record 216'4½" at Needham, Mass., on July 4 but not from Connolly. It was 27-year-old Cliff Blair, another Bostonian, who dented the Russian monopoly. However, four days later, Krivonosov hit back with 217'9½" to which Blair had no reply. But Connolly now entered the picture, winning his second AAU title and then on Oct. 3 at Boston whipped the hammer out to 218'10½". Krivonosov replied with a 220'10½" at Tashkent on Oct. 22 only to be passed again by Connolly, who reached 224'10½" at Los Angeles on Nov. 2. All six throws in his series were over 214 feet. Anatoliy Samotsvetov, another Russian, also bettered 213 feet before the Olympic Games started.

The Melbourne competition turned out to be close and exciting without being spectacular. The new concrete circle probably kept the distances down as Connolly could manage only 207'3¾" which, however, was good enough to beat Krivonosov, who tied up badly under pressure. The Russian's 206'9" gave him the silver medal. Teammate Samotsvetov, more consistent, was third with 205'3", two feet ahead of Al Hall of the U.S. Csermak, the defending champion who was reportedly killed in the Hungarian revolt, threw 199'1¾", good enough for fourth. Blair, disciplined by the U.S. Olympic committee, didn't compete in the final.

Without any Olympic pressure in 1957 things seemed to slow down but it was still the best season to date as far as general world standards were concerned with six men over 210 feet. Krivonosov led the parade with 218'10" in an unbeaten year while his great rival, Connolly, took his third straight AAU title with a season's best of 216'3". Elsewhere young stars Zvonko Bezjak of Yugoslavia and Mike Ellis of Great Britain set national marks of 212'4½" and 211'9¾", respectively. Rut pushed the Polish record up to 210'3½".

Coming back to his best in 1958, Connolly again won the AAU title at Bakersfield, Calif., with a record-shattering 225'4", eight feet ahead of Hall, who had thrown 220'7" earlier in the year. These two lined up in Moscow against Krivonosov and Samotsvetov in the long awaited dual meet but it was "no contest." Connolly beat Hall easily with 220'8½" with the Russians trailing off badly on their own ground. At Stockholm, defending his European title, Krivonosov tried hard to regain his old form and beat his Bern mark with a throw of 209'3". However, Rut came up with a national best of 212'6½" on the final throw to win the gold medal. In third spot, young Gyula Zsivotzky upped the Hungarian record to 208'11".

Realistically, the Russians dropped Krivonosov from their team to meet Germany in October, giving the place to the fast improving Vasilii Rudenkov, who had reached 217'7½" in June. Rudenkov justified this selection by placing second behind Samotsvetov in this meet. However, it was in 1959 that he really came to the forefront with a great series of marks. He had one 223'-plus toss disallowed because the chain was one inch too long. Twice in other meets the new Russian strongman bettered 220 feet and also defeated Connolly in Philadelphia. Rudenkov's season best of 222'8" was a new European record and two inches better than Connolly could manage during the year. National records continued to fall like leaves during the autumn. Birgir Asplund of Sweden did 216'5", Zsivotzky threw 215'7½", Rut improved to 215'3" and Ellis raised his personal best to 213'1". During the year 28 men bettered 205 feet and 20 surpassed Connolly's 1956 Olympic record.

Ever greater competition is expected in 1960 when the lure of an Olympic gold medal will spur on the athletes to better performances.

STATS

Evolution of the world broad jump record:

24'11¾"	Peter O'Connor, Ireland	1901	25'11½"	Edward Hamm, USA	1928
25'3"	Edwin Gourdin, USA	1921	26'1½"	Silvio Cator, Haiti	1928
25'5¾"	Robert LeGendre, USA	1924	26'2½"	Chuhei Nambu, Japan	1931
25'10½"	DeHart Hubbard, USA	1925	26'8¼"	Jesse Owens, USA	1935
			26'11¼"	Ralph Boston, USA	1960

SIEGFRIED VALENTIN

(Germany)

105 points

Siegfried Valentin was merely one of the "better runners" in 1957 and 1958, having broken 3:43.0 twice, and usually lost more races than he won. However, the spark of inspiration finally came to him in May of 1959 when he ran a 3:56.5 mile -- the fourth fastest ever run, and a new European record. After obtaining the distinction of being Germany's first "miracle miler," he promptly added another one in mid-July by being the first German to run under 3:40 for the metric distance. In the middle part of the season he was considered to be the year's top runner but some of the luster was taken off his record when he suffered defeats near the end of the season from Stefan Lewandowski of Poland and Dan Waern of Sweden. He also has been a force to reckon with during this Olympic year.

Achievement Points: 90

3	3:42.0 on 4 Aug. 57 at Moscow	3	3:42.8 on 5 Sept. 59 at Berlin
3	3:42.9 on 20 July 58 at Jena	2	3:43.6 on 19 Sept. 59 at Jena
3	4:00.8 on 16 May 59 at London	10	First 1959 World List
5	3:56.5 on 28 May 59 at Potsdam	8	Third 1959 T&FN Ranking
5	3:40.2 on 6 June 59 at Erfurt	10	First 1959 East German Champs
2	3:44.8 on 1 July 59 at London	17	Fourth All-Time 1500/Mile List
5	3:39.3 on 17 July 59 at Oslo	12	Ninth Best Ten Times Averages
2	3:44.0 on 15 Aug. 59 at Leipzig		

Victory Points: 23

1	Istvan Rozsavolgyi	2	Hans Grodotzki
1	Dusan Cikel	4	Siegfried Hermann
1	Helfried Reinnagel	2	Rainer Dorner
1	Lajos Kovacs	2	Dieter Konig
1	Sandor Iharos	2	Libertus Stamer
1	Marian Jochman	1	Arne Hamarsland
1	Edmund Brenner	1	Zbigniew Orywal
1	Derek Ibbotson	1	Stefan Lewandowski

Defeat Penalties: 8

1	Jonas Pipyne	1	Siegfried Hermann
1	Yevgeniy Sokolov	1	Stefan Lewandowski
2	Stanislav Jungwirth	1	Dan Waern
1	Klaus Richtzenhain		

90 AP
 23 VP
 113
 -8 DP
 105

Best Performances:

800	1:47.6	Mile	3:56.5
1,000m	2:18.6	2,000m	5:06.6
1500	3:39.3	2 Mile	8:43.4

GUNNAR NIELSEN (Denmark)

105 points

Gunnar Nielsen, one of the fastest kickers in the 1500/mile, first started as an 800 runner and was fairly successful as he took fourth place in the 1952 Olympic Games. However, he ran the 1500/mile enough during 1952 and 1953 to earn a place on the Track & Field News rankings. It was in 1954, however, that he came into his own. He ran his best time then to date, 3:44.4, for second place behind Roger Bannister in the European Championships. The year 1955 was a banner one as he lost a close 1500 to Laszlo Tabori as both tied the world record of 3:40.8, and was the only close challenger to Hungarian supremacy. He became history's eighth four-minute miler when he lost a thrilling race to Ron Delany, 3:59.1 to 3:59.0, in June, 1956, at Compton, Calif. Too much European racing after that proved to be his undoing and when the Melbourne Olympics took place he was not in the best of shape. He barely made the final and then wound up 10th. He retired immediately after that.

Achievement Points: 101

1	Tenth 1952 T&FN Ranking	2	4:03.0 on 1 Oct. 55 at Copenhagen
1	Tenth 1953 T&FN Ranking	10	First 1955 World List
3	Eighth 1952 World List	7	Fourth 1955 T&FN Ranking
2	3:44.4 on 29 Aug. 54 at Bern	3	3:59.1 on 1 June 56 at Compton
5	Sixth 1954 World List	2	3:44.2 on 28 June 56 at Copenhagen
7	Fourth 1954 T&FN Ranking	2	3:44.2 on 7 July 56 at Copenhagen
8	Second 1954 European Championships	2	3:43.4 on 17 July 56 at Turku
2	3:44.2 on 15 July 55 at Oslo	2	4:03.8 on 17 Sept. 56 at Bergen
2	4:03.4 on 21 July 55 at Copenhagen	6	Fifth 1956 World List
3	3:42.9 on 31 Aug. 55 at Goteborg	2	19th Ben Ten Times Averages
2	4:03.8 on 2 Sept. 55 at Stockholm	2	4:03.6i on 5 Feb. 55 at New York
5	3:40.8 on 6 Sept. 55 at Oslo	5	World Indoor Record -- 4:03.6.
15	World Record -- 3:40.8		

Victory Points: 22

1	Stanislav Jungwirth	1	Bob Seaman
3	Ingvar Ericsson	1	Klaus Richtzenhain
2	Werner Lueg	1	Olavi Vuorisalo
1	Sandor Iharos	1	Olavi Salonen
1	Brian Hewson	1	Istvan Rozsavolgyi
1	Audun Boysen	1	Dan Waern
1	Siegfried Hermann	1	Laszlo Tabori
2	Jerzy Chromik	1	Murray Halberg
1	Fred Dwyer	1	Merv Lincoln

Defeat Penalties: 18

1	Roger Bannister	2	Brian Hewson
2	Laszlo Tabori	1	John Landy
1	Sandor Iharos	1	Stanislav Jungwirth
2	Ron Delany	1	Neville Scott
2	Klaus Richtzenhain	1	Ian Boyd
1	Ingvar Ericsson	1	Ken Wood
1	Gordon Pirie	1	Wes Santee

101 AP
 22 VP
 123
 -18 DP
 105

Best Performances:

800	1:47.5	1500	3:40.8
880	1:48.2	Mile	3:59.1
1,000m	2:20.5	3,000m	8:12.6