

TRACK NEWSLETTER

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Steinhauer, Rambo Hot in Opener

by John Wells

Neal Steinhauer set a world indoor best of 66'6 $\frac{3}{4}$ " in the shot put and in the process handed Randy Matson his first defeat in over two years and John Rambo tied the American indoor record of 7'3" in the high jump to highlight the San Francisco All-American Games.

Steinhauer, who had never beaten Matson, uncorked his record throw on his second attempt of the night. The old record was 64'11 $\frac{3}{4}$ " by Gary Gubner. He had three puts over 66-feet. His series was 59'10", 66'6 $\frac{3}{4}$ ", foul, 66'4 $\frac{1}{2}$ ", 64'4 $\frac{1}{2}$ " and 66'1 $\frac{3}{4}$ ". His efforts won him the Outstanding Athlete award. His previous indoor best was 63'3 $\frac{3}{4}$ ".

Matson, whose best mark this evening was 64'4 $\frac{1}{2}$ ", was last defeated by Dallas Long in the 1964 Olympics. Dave Maggard was third with his best-ever season opening mark of 61'5 $\frac{3}{4}$ ".

Matson took the lead on his first attempt but Steinhauer came back on his second put for his winning effort. Randy upped his mark to 64'4 $\frac{1}{2}$ " on his third attempt but his remaining three attempts were progressively worse--60'9", and two fouls.

John Rambo, bronze medalist in the 1964 Olympics, who competed only indoors last year, opened the 1967 season in brilliant fashion as he tied John Thomas' 1961 American indoor mark of 7'3". Rambo was perfect in his progression. He cleared 6'6", 6'8", 6'10" 7'0", 7'2" and 7'3" on his first attempt before missing three times at 7'4". He needed to jump well because runner-up Otis Burrell also was jumping extremely well and cleared 7'2". Rambo said, "I particularly wanted to do well in this meet after Burrell was introduced as the world's number one jumper." Rambo firmly believes he is ready to topple Valeriy Brumel's indoor best of 7'4 $\frac{1}{2}$ ".

Perhaps the most pleasing event to the crowd of 7153 was the Gerry Lindgren national high school two-mile championship where 12 of the nation's finest high schoolers competed. Martin Liquori of Essex Catholic, Newark, New Jersey, was a close winner over Peter Romero of Reedley, Calif., after a torrid final three laps that saw first Liquori and then Romero take the lead before Liquori edged by on the last lap for the victory. Both were timed in 9:06.2. Jerry Richey of North Allegheny, Pittsburgh, Pa., was third in 9:09.4 and Doug Smith, a junior from Central, Sioux City, Iowa, was fourth, also timed in 9:09.4. Liquori's first lap was a swift 65.5 but he settled down to a relatively steady pace of 2:14.0, 3:23.4, 4:32.8, 5:44.4, 6:56.0 and 8:04.0. His final quarter was a sizzling 62.2.

Tracy Smith of Oregon State edged Tom Laris by 2.4 seconds in the two-mile, 8:45.8 to 8:48.2. Smith led wire-to-wire in splits of 61.0, 2:06.8, 3:12.5, 4:19.8, 5:27.2, 6:35.0, 7:44.0, finishing with a 61.8 last quarter. Laris was the only man who tried to stay with Smith and did so through the first mile and three-quarters. Van Nelson of St. Cloud State was third in 8:54.6 after a slow first half-mile.

Bob Seagren of Southern Cal cleared 16'9" to win the pole vault. Pushing Seagren all the way was Greece's Christos Papanikolaou, soon to be a student at San Jose State. Papanikolaou cleared 16'6" and had near-misses at 16'9". Seagren vaulted only six times in the meet, as he cleared 16'0", passed 16'6", missed once before clearing 16'9" and had three misses at 17'2".

Charlie Greene won the 60-yard dash in 6.0, only a tenth off the world standard. The Nebraska senior with the fast start was out quickly and held on to win over San Jose State's Tommie Smith, who closed surprisingly on Greene but was unable to catch him in the short race. Smith was timed in 6.1. Menzies Campbell, British Olympian now studying at Stanford graduate school, was third in 6.2, the same time given Ernie Smith of Oregon State, and Roger Cox of Stanford, who placed fourth and fifth respectively.

Ralph Boston was the meet's only double winner, edging Don Shy in the 60-yard hurdles as each was timed in 7.2 and squeaking by Gayle Hopkins in the long jump, 25'2 $\frac{1}{2}$ " to 25'1 $\frac{1}{2}$ ".

Lee Evans of San Jose State was the 600 winner in 1:12.5 as he edged Stanford junior Jim Ward who clocked 1:13.2.

Evans teamed with Tommie Smith, Ken Shackelford and Bob Talmadge to give San Jose State an easy victory in the mile relay

over Athens, Santa Clara Youth Village, and Stanford. San Jose was timed in a creditable early-season 3:17.7.

Jim Grelle won a tactical mile race from Dave Sirl, fast-rising star from New Zealand, 4:12.6 to 4:13.5. Grelle trailed through splits of 67.9, 2:12.3 and 3:12.6 before charging from behind on the last lap for the victory. Terry Thompson, ineligible at Oregon State, outlasted Preston Davis in the 1000, each timed in 2:13.5. Jim Kemp was the 440 victor in a swift 48.7 as he led Jack Yerman (49.0), Adolph Plummer (51.5) and an out-of-shape Tom Farrell (51.6) from start to finish.

Tim Barrett, promising Southern Cal frosh from the Bahamas, leaped 50'6 $\frac{3}{4}$ " on his first attempt to take the triple jump. Barrett had no other fair marks of the night as he fouled four times and passed one jump.

60, Greene (Nebr) 6.0; 2. Smith (San Jose St) 6.1.
160, Smith (Ore St) 16.6.
440, Kemp (49ers) 48.7; 2. Yerman (SCVYV) 49.0.
600, Evans (San Jose St) 1:12.5; 2. Ward (Stan) 1:13.2.
1000, Thompson (Ore St) 2:13.5; 2. Davis (49ers) 2:13.5.
1 Mile, Grelle (Multnomah AC) 4:12.6; 2. Sirl (NZ) 4:13.5.
2 Mile, Smith (Ore St) 8:45.8; 2. Laris (NYAC) 8:48.2; 3. Van Nelson (St Cloud St) 8:54.6; 4. George Young (unat) 9:03.4.
HS 2 Mile, Liquori (Essex Cath, Newark, NJ) 9:06.2; 2. Romero (Reedley, Calif) 9:06.2; 3. Richey (N Allegheny, Pittsburgh, Pa) 9:09.4; 4. Smith (Central, Sioux City, Iowa) 9:09.4.
60HH, Boston (Strid) 7.2; 2. Shy (San Diego St) 7.2.
1 Mile R, San Jose St 3:17.7 (Shackelford 51.1, Talmadge 48.4, Evans 50.0, Smith 48.2).
JC SprMedR, Laney 3:38.0; 2. Fresno CC 3:38.2; 3. Santa Ana 3:38.7.

HJ, Rambo (49ers) 7'3" EAIR; 2. Burrell (49ers) 7'2"; 3. Jackson (Laney JC) 6'10"; 4. Dobroth (Strid) 6'10".

PV, Seagren (So Cal) 16'9"; 2. Papanikolaou (Greece) 16'6"; 3. Phillips (Ore St) 16'0"; 4. Eshelman (Stan) 16'0"; 5. Hein (Strid) 15'6"; 6. Chase (SCVYV) 15'6".

LJ, Boston 25'2 $\frac{1}{2}$ " (25'2 $\frac{1}{2}$ ", 24'11 $\frac{1}{4}$ ", 24'9", 25'3 $\frac{3}{4}$ ", p, 24'6"); 2. Hopkins (PAA) 25'1 $\frac{1}{2}$ "; 3. Whitley (Hancock JC) 24'5".

TJ, Barrett (So Cal Fr) 50'6 $\frac{3}{4}$ "; 2. Jackson (SCVYV) 48'7 $\frac{1}{2}$ ".

SP, Steinhauer (Ore) 66'6 $\frac{3}{4}$ " WIR, AIR (59'10", 66'6 $\frac{3}{4}$ ", f, 66'4 $\frac{1}{2}$ ", 64'4 $\frac{1}{2}$ ", 66'1 $\frac{3}{4}$ "); 2. Matson (Tex A&M) 64'4 $\frac{1}{2}$ " (63'2", 63'5", 64'4 $\frac{1}{2}$ ", 60'9", f, f); 3. Maggard (SCVYV) 61'5 $\frac{3}{4}$ " (59'11 $\frac{3}{4}$ ", f, f, 60'6 $\frac{1}{4}$ ", 60'4 $\frac{1}{2}$ ", 61'5 $\frac{3}{4}$ ").

National News

AC, San Mateo, Calif., Dec. 10--PV, Eshelman (Stanford) 15'6".
JAYCEE INVITATIONAL, Houston, Tex., Dec. 16 (in conjunction with Bluebonnet Bowl)--100 (into 10 mph wind), Hines (Tex So) 9.3; 2. Peach (Baylor Fr) 9.5. 440, Crawford (ACC) 47.1. 3 Miles, McCubbins (Okla St) 14:07.0. 440R, Texas Southern 40.2 (Evans, Smith, Duncan, Hines).

WASHINGTON USTFF, Seattle, Dec. 17--3 Mile, Celms (Wash) 14:07.2; 2. Freeman (Snohomish TC) 14:08.4; 3. Stjern (BYU Fr) 14:10.4.

ORANGE BOWL, Miami, Jan. 1--100, Rovere (E Tenn St) 9.4w. DT, Morton (Fla) 183'2".

Indoor News

ARMY 68, CORNELL 41, Ithaca, Dec. 17 (d)--35Wt, Graham (A) 60'4 $\frac{1}{4}$ "; 2. Fraus (C) 58'5 $\frac{3}{4}$ ". 600, Bruckel (C) 1:11.2.

METRO AAU, New York City, Dec. 17--35Wt, Doernberger (NYAC) 58'1 $\frac{1}{2}$ ".

WISCONSIN VARSITY VS FROSH, Madison, Wis., Dec. 15 (d)--440, Whipple (V) 48.6; 2. Floyd (F) 48.9.

SENIOR BOWL, Mobile, Ala., Dec. 22 (c)--1 Mile, Romo (unat) 4:04.9; ... 4. Redington (Knox) 4:08.4. 2 Mile, Traynor (49ers) 8:48.4; 2. Lawson (Jayhawk TC) nt; ... 4. Story (Tenn) 8:54.3; 5.

Lagotic (Fla) 8:57.4; 6. Bachelor (Fla TC) 8:57.6. LJ, Boston (Strid) 25'5½" (all jumps over 25-feet). HJ, Saier (Fla) 6'9½". 2MR, 49ers (Von Ruden) 1:52.5, McCalla 1:53.3, Davis 1:56.1, J. Perry 1:52.3; 2. Tennessee 7:39.8 (Kelly 1:51.9). MileR, 49ers 3:15.3 (Miller 49.9, Kemp 47.1, J. Perry 50.0, Crook 48.3). II-(disq) Tennessee 3:17.9 (Kelly 48.7). 50HHI, Davenport (Sn) 6.0; 2. Boston (Strid) 6.0; 3. Neiswender (Tenn) 6.1. 50. Anderson (unat) 5.3; ... 4. Handberg (Fla Fr) 5.3. PV, Eckert (LSU) 15'0" ... Seagren missed thrice at 15'0" but unofficially cleared 17'4" which at the time exceeded his own indoor mark by 3¼". 600, McGrady (Central Ohio St) 1:09.3.

SASKATCHEWAN K OF C, Saskatoon, Sask., Dec. 29 (a)--PV, Seagren (So Cal) 17'1" WIR. HJ, Burrell (49ers) 7'1"; 2. Thomas (BAA) 7'0"; 3. Dobroth (Strid) 7'0". 300m, Kemp (49ers) 35.2. 600, Van Dyk (Ore) 1:12.5; 2. Crothers (EYTC) nt. Mile, Duggan (Hancock JC) 4:11.2.

Foreign News

PERTH, AUSTRALIA, Dec. 3--TJ, May 52'3¼" w. 880, Clarke 4th in 1:54.3.

AUCKLAND, NZ, Nov. 26--SP, Mills 60'3½". DT, Mills 179'8". MELBOURNE, Dec. 8--3Mile, Clarke 13:15.0; 2. Temu 13:25.6; 3. Cook 13:36.4; 4. Coyle 13:36.4.

ASIAN GAMES, Bangkok, Dec. 11--400IH, Yui (Jap) 51.7. LJ, Yamada (Jap) 24'6½".

ADELAIDE, AUSTRALIA, Dec. 13--Steeple, O'Brien 8:29.0 NR; 2. Kogo (Ken) 8:47.2. 3000, Clarke 7:54.8; 2. Temu (Ken) 8:03.0. 800, Kiprugut (Ken) 1:47.8; 2. Woods 1:49.8.

MELBOURNE, Dec. 10--DT, Selvey 183'9".

KUALA-LUMPUR, 400, Jegathesan (Mal) 46.3. HAVANA, CUBA, JT, FitzSimons (GB) 260'1"; 2. Kuisma (Fin) 258'0". HT, Samuels 217'½".

SYDNEY, Dec. 18--3Mile, Clarke 13:24.4; 2. Temu 13:35.6. 3000, Kogo 8:43.8.

MELBOURNE, Dec. 20--6Mile, Clarke 26:52.0 (second fastest ever; only five seconds off his own world record); 2. Farrington 27:33.8 (his first official six-mile; bettered his best two-mile by 30 seconds at 8:52.0 and 14.6 seconds off his 48 hour old three-mile best of 13:41.6); 3. Walker 28:25.2; 4. Coyle 28:49.8 (first six-mile); 5. Blackwood 28:57.0. (Temu was scheduled to run in this race but withdrew on doctor's advice that his blistered feet were too severely injured to run.) 2Mile, Benson 8:41.4. DT, Selvey 187'8".

SAO SILVESTER ROUND-THE-HOUSES MIDNIGHT NEW YEAR'S EVE RUN, Sao Paulo, Brazil, Jan. 1 (course lengthened to 9700m)--Mejia (Col) 29:57.2; 2. Roelants (Bel) 30:50.2; 3. Turner (GB) 30:53.4; 4. Letzerich (WG) 30:54.4; 5. Martinez (Mex) 31:24.4; 6. Najde (Swe) 31:25.0; 7. Persson (Swe) 31:28.0; 8. Azevedo (Bra) 31:32.0... 17. Lawson (US) nt.

SYDNEY, Dec. 31--100m, Lay 10.3.

PAULISTA, Jan. 2--5000, Lawson (US) 14:39.0; 2. Maroquin 14:50.0

PATIALA, INDIA, 1500, Sequira 3:43.7.

Errata, Addenda

Amendments to the Dec. 8, 1966 Track Newsletter:

1. Splits in world record races since 1946 included certain minor errors: 400-meters, McKenley (Jam), Rhoden (Jam), splits for Otis Davis and Carl Kaufmann were 21.8-23.1; 440-yards, McKenley (Jam); 880-yards, Gunnar Nielsen (Den).

2. These are probable amendments to the "Spectacular Records" section, submitted by Jack Shepard: 100m, Charlie Greene (US) 3 times in 1966, Roger Sayers (US) 10.2, Stanford, 7/21/62; 1500m, John Davies (NZ) 3:39.6 in Dunedin, 2/8/64 and Tokyo, 10/21/64;

Bulletin Board

TRACK NEWSLETTER

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Mile, John Davies (NZ) 3:56.8 in Auckland, 11/17/64 and London, 7/3/65; 2M, Lou Scott (US) 8:41.4, Buffalo, 8/21/66; 400IH, Ron Whitney (US) 50.0*, Albuquerque, NM, 6/15/63; HJ, Floyd Smith (US) 6'11½", Chicago, 6/23/57; LJ, Jerry Dyes (US) 25'3½", Lawrence, 4/20/62; HT, Josef Matousek (Czech) 255'8", Prague; JT, Hermann Saloman (Ger) 269'7½", Augsburg, 8/11/63. *=440 time less 0.3 sec.

Splits in World Records Since 1946

compiled by Roger Gynn

This is the second in a series of features devoted to the splits in running events and series in field events in world record performances since 1946. Complete information pertaining to each record is provided. Those performances which equalled or bettered ratified world records but were never officially accepted by the IAAF have been noted here by an asterisk (*) so long as the mark was statistically acceptable. The author welcomes any amendments to this compilation.

1500-METERS (400m splits, plus final 300m)

3:43.0	Lennart Strand (Swe)	Int, Malmö	7/16/47
	(57.8, 61.5, 60.3, 43.4)		
3:43.0	Werner Lueg (Ger)	Ger Nat, Berlin	6/29/52
	(56.8, 62.2, 61.0, 43.0)		
3:43.0	*Roger Bannister (GB)	Nat, Oxford	6/ 5/54
	(57.5y, 60.7y, 62.3y, 58.9y)		
3:42.8	Wes Santee (US)	Compton Inv	6/ 4/54
	(58.1y, 60.6y, 60.3y, 61.6y)		
3:41.8	John Landy (Aus)	Int, Turku	6/21/54
	(58.5y, 60.2y, 58.5y, 60.7y)		
3:40.8	Sandor Iharos (Hun)	Hun v Finland	7/28/55
	(57.0, 58.7, 61.5, 43.6)		
3:40.8	Laszlo Tabori (Hun)	Int, Oslo	9/ 6/55
	(58.0, 62.0, 60.0, 40.8)		
3:40.8n	Gunnar Nielsen (Den)	Int, Oslo	9/ 6/55
	(58.0, 61.2, 60.0, 41.6)		
3:40.6	Istvan Rozsavolgyi (Hun)	Nat, Tata	8/ 3/56
	(55.7, 63.5, 60.6, 40.8)		
3:40.2	Olavi Salsola (Fin)	Int, Turku	7/11/57
	(56.8, 61.0, 60.8, 41.8)		
3:40.2n	Olavi Salonen (Fin)	Int, Turku	7/11/57
	(56.8, 61.0, 60.8, 41.8)		
3:38.1	Stanislav Jungwirth (Czech)	Stara Boleslav	7/12/57
	(54.9, 59.3, 59.2, 44.7)		
3:36.0	Herb Elliott (Aus)	Int, Goteborg	8/28/58
	(57.5, 60.0, 58.0, 40.5)		
3:35.6	Elliott	OG, Rome	9/ 6/60
	(58.8, 59.3, 55.9, 41.6)		

MILE (440y splits)

3:59.4	Roger Bannister (GB)	Nat, Oxford	5/ 6/54
	(57.5, 60.7, 62.3, 58.9)		
3:58.0	John Landy (Aus)	Int, Turku	6/21/54
	(58.5, 60.2, 58.5, 60.7)		
3:57.2	Derek Ibbotson (GB)	Int, London	7/19/57
	(56.0, 60.4, 63.9, 56.9)		
3:54.5	Herb Elliott (Aus)	Int, Dublin	8/ 6/58
	(56.4, 61.8, 61.0, 55.3)		
3:54.4	Peter Snell (NZ)	Int, Wanganui	1/27/62
	(60.7, 59.9, 59.0, 54.8)		
3:54.1	Snell	Int, Auckland	11/17/64
	(56.4, 57.7, 60.2, 59.8)		
3:53.6	Michel Jazy (Fr)	Nat, Rennes	6/ 9/65
	(57.3, 59.2, 59.9, 56.2)		
3:51.3	Jim Ryun (US)	Int, Berkeley	7/17/66
	(57.9, 57.6, 59.8, 56.0)		

THREE-MILES (880y splits)

13:31.4*	Vladimir Kuts (USSR)	v Hun, Budapest	9/20/53
	(2:36.4, 2:45.6, 2:48.4, 2:51.6, 3:02.2) (1000-meter splits)		
13:32.2	Fred Green (GB)	AAA, London	7/10/54
	(2:11.4, 2:18.2, 2:15.2, 2:16.8, 2:18.6, 2:12.6)		
13:32.2n	Chris Chataway (GB)	AAA, London	7/10/54
	(2:11.4, 2:18.2, 2:15.2, 2:16.8, 2:18.6, 2:12.6)		
13:27.4*	Vladimir Kuts (USSR)	EC, Berne	8/29/54
	(2:44.0, 2:52.7, 2:47.2, 2:48.4, 2:44.3) (1000-meter splits)		
13:27.0*	Kuts	GB v USSR	10/13/54
	(2:09.8, 2:15.6, 2:11.4, 2:19.0, 2:19.0, 2:13.2)		
13:26.4*	Kuts	USSR v Czech	10/23/54
	(2:38.4, 2:52.4, 2:51.8, 2:45.0, 2:43.6) (1000-meter splits)		
13:23.2	Chataway	London	7/30/55
	(2:14.8, 2:11.2, 2:15.8, 2:17.8, 2:19.0, 2:05.6)		

13:14.2°	Sandor Iharos (Hun)	Budapest	10/23/55
	(2:42.0, 2:46.0, 2:48.0, 2:51.0, 2:33.6)	(1000-meter splits)	
13:10.8	Albie Thomas (Aus)	Int, Dublin	7/ 9/58
	(2:12.0, 2:15.0, 2:12.0, 2:13.0, 2:12.0, 2:06.8)		
13:10.0	Murray Halberg (NZ)	Int, Stockholm	7/25/61
	(2:41.6, 2:46.6, 2:43.4, 2:46.6, 2:37.0)	(1000-meter splits)	
13:07.6	Ron Clarke (Aus)	Int, Melbourne	12/ 3/64
	(2:08.0, 2:13.0, 2:17.0, 2:10.0, 2:13.0, 2:06.6)		
13:00.4	Clarke	Col R, Los Angeles	6/ 4/65
	(2:07.9, 2:09.1, 2:10.4, 2:12.6, 2:12.2, 2:08.2)		
12:52.4	Clarke	AAA, London	7/10/65
	(2:07.2, 2:08.2, 2:10.6, 2:10.4, 2:10.4, 2:05.6)		
12:50.4°	Clarke	Int, Stockholm	7/ 5/66
	(2:39.0, 2:38.0, 2:40.0, 2:43.0, 2:36.6)	(1000-meter splits)	

5000-METERS (1000-meter splits)

13:57.2	Emil Zatopek (Czech)	Int, Paris	5/30/54
	(2:47.2, 2:47.2, 2:49.0, 2:50.0, 2:43.8)		
13:56.6	Vladimir Kuts (USSR)	VEC, Berne	8/29/54
	(2:44.0, 2:52.7, 2:47.2, 2:48.4, 2:44.3)		
13:51.6	Chris Chataway (GB)	GB v USSR, London	10/13/54
	(2:41.5, 2:50.1, 2:44.9, 2:53.4, 2:41.7)		
13:51.2	Kuts	USSR v Czech	10/23/54
	(2:38.4, 2:52.4, 2:51.8, 2:45.0, 2:43.6)		
13:50.8	Sandor Iharos (Hun)	Hun v Poland	9/10/55
	(2:44.0, 2:49.4, 2:49.8, 2:46.4, 2:41.2)		
13:46.8	Kuts	Int, Belgrade	9/18/55
	(2:43.0, 2:47.0, 2:46.0, 2:50.0, 2:40.8)		
13:40.6	Iharos	Hun Ch, Budapest	10/23/55
	(2:42.0, 2:46.0, 2:48.0, 2:51.0, 2:33.6)		
13:36.8	Gordon Pirie (GB)	Int, Bergen	6/19/56
	(2:36.0, 2:46.0, 2:47.0, 2:48.0, 2:39.8)		
13:35.0	Kuts	Int, Rome	10/13/57
	(2:37.8, 2:46.5, 2:44.4, 2:44.2, 2:42.1)		
13:34.8	Ron Clarke (Aus)	Int, Hobart	1/17/65
	(2:43.8, 2:43.6, 2:44.4, 2:43.1, 2:39.9)		
13:33.6	Clarke	Int, Auckland	2/ 1/65
	(2:08.0y, 2:10.0y, 2:11.0y, 2:17.0y, 2:13.0y, 2:09.0y, 25.6 Final 188y)		
13:25.8	Clarke	Compton Inv	6/ 4/65
	(2:07.9y, 2:09.1y, 2:10.4y, 2:12.6y, 2:12.2y, 2:08.2y, 25.4 Final 188y)		
13:24.2	Kipchoge Keino (Ken)	Int, Auckland	11/30/65
	(2:07.0y, 2:07.0y, 2:09.0y, 2:11.5y, 2:12.5y, 2:11.5y, 25.7 Final 188y)		
13:16.6	Clarke	Int, Stockholm	7/ 5/66
	(2:39.0, 2:38.0, 2:40.0, 2:43.0, 2:36.6)		

SIX-MILES (Mile splits)

28:30.8°	Viljo Heino (Fin)	Nat, Kouvola	9/ 1/49
	(2:53.2, 2:53.8, 3:00.8, 2:56.2, 3:00.0, 2:59.8, 2:56.4, 2:59.8, 2:57.4, 2:49.8)	(1000-meter splits)	
28:19.4	Gordon Pirie (GB)	AAA, London	7/10/53
	(4:42.2, 4:37.6, 4:42.8, 4:42.6, 4:49.0, 4:45.2)		
28:08.4°	Emil Zatopek (Czech)	Stara Boleslav	11/ 1/53
	(2:52.8, 2:55.8, 2:55.2, 2:55.8, 2:55.0, 2:54.0, 2:55.4, 2:55.6, 2:57.2, 2:44.8)	(1000-meter splits)	
27:59.2°	Zatopek	Int, Brussels	6/ 1/54
	(2:47.8, 2:56.4, 2:54.0, 2:55.8, 2:53.6, 2:55.4, 2:53.4, 2:55.2, 2:55.8, 2:46.8)	(1000-meter splits)	
27:54.0	Dave Stephens (Aus)	Vic Ch, Melbourne	1/25/56
	(4:38.0, 4:38.0, 4:43.0, 4:41.0, 4:42.2, 4:31.8)		
27:43.8°	Sandor Iharos (Hun)	Nat, Budapest	7/15/56
	(2:46.8, 2:50.2, 2:52.0, 2:52.0, 2:54.0, 2:50.0, 2:53.0, 2:54.0, 2:57.0, 2:53.8)	(1000-meter splits)	
27:17.6°	Ron Clarke (Aus)	Nat, Melbourne	12/18/63
	(4:25.0, 4:32.0, 4:35.0, 4:38.0, 4:40.0, 4:27.6)		
27:11.6	Billy Mills (US)	AAU, San Diego	6/27/65
	(4:29.1, 4:34.3, 4:36.4, 4:36.5, 4:33.6, 4:21.7)		
27:11.6n	Gerry Lindgren (US)	AAU, San Diego	6/27/65
	(4:29.1, 4:34.3, 4:36.4, 4:36.5, 4:33.6, 4:21.7)		
26:47.0°	Clarke	Int, Oslo	7/14/65
	(2:41.5, 2:43.5, 2:46.0, 2:47.0, 2:47.0, 2:48.0, 2:50.0, 2:50.0, 2:46.0, 2:40.4)	(1000-meter splits)	

Javelin Throwers

Perhaps the outstanding figure of the last decade has been Janusz Sidlo (Poland), never Olympic champion and a world record holder for only a few months, but unequalled for consistency in this most fluctuating of all events. He has surpassed the classic 50-meters (262'5½") on more than 100 occasions. (Reprinted from Melvyn Watman's Encyclopedic of Athletics)

Lusis' 100 Meets Over 80-Meters

compiled by Roger Gynn

One of the most impressive factors that contributes to Janusz Sidlo's greatness in the javelin is the vast number of meets in which he has exceeded 80-meters (262'5½"). On Oct. 16 of this year, the Pole won a competition at Starogard with a mark of 265'4" to record the 100th meet in which at least his best mark surpassed 80-meters. He has since thrown beyond that distance again. He has nearly double the total of 80-meter meets than his nearest competitor, Janis Lusis of the Soviet Union, who has authored 52.

Sidlo has competed in at least 250 known competitions of some importance since his arrival on the international scene in 1953. Perhaps his finest years were from 1954 to 1960 during which time he suffered only 10 defeats against the world's best in 120-odd major meetings. In addition, he won two European Championships, nabbed second in the 1956 Olympics, tossed the longest throw of the entire 1960 Olympic competition--albeit in the qualifying round--and held the world record for a brief spell in 1956.

The hardy Pole who will be 34 on June 19 of this year stands 5'11½" and weighs 192-lbs. He was the first Polish athlete to become a first-rate international trackman in the postwar years and probably is responsible for providing the inspiration necessary for the rapid improvement by eastern European nations in the "non-American" field events (triple jump, hammer throw and javelin throw).

Two-thirds of the 100 marks were made in no less than 15 countries outside his native Poland: East Germany, Czechoslovakia, Italy, Rumania, Yugoslavia, Finland, Norway, Hungary, Soviet Union, Great Britain, West Germany, Sweden, Switzerland, Japan and Spain.

Surely this record in this, the most unpredictable of all track and field events, stamps him as the most durable and consistent performer since the days of Matti Jarvinen. Here then, for the record, are the first 100 80-meter throws by Sidlo.

262'11½"	(1) Jena	10/ 2/53	268'1"	(1) Warsaw	10/ 6/63
262'8½"	(1) Prague	6/28/55	262'7"	(2) Budapest	6/ 7/64
274'5½"	(1) Milan	6/30/56	272'4"	(1) Tampere	6/23/64
264'0"	(1) Bucharest	9/16/56	266'11½"	(1) Warsaw	6/27/64
263'11"	(1) Zagreb	9/23/56	278'11½"	(1) Moscow	7/ 5/64
272'3"	(1) Warsaw	6/ 9/57	269'6"	(1) Warsaw	7/19/64
263'4½"	(1) Helsinki	6/17/57	273'3"	(2) Oslo	7/22/64
271'11"	(1) Hamar	6/22/57	264'8½"	(1) Siena	7/25/64
270'1"	(1) Budapest	7/ 7/57	274'9½"	(1) London	8/ 3/64
262'10½"	(1) Moscow	8/ 1/57	267'11½"	(1) Kalisz	8/ 6/64
265'7"	(1) Helsinki	8/ 8/57	263'3"	(1) Oslo	8/10/64
265'7"	(1) Oslo	8/26/57	264'5"	(1) Cologne	9/13/64
271'10"	(1) London	9/25/57	279'2"	(1) Rome	9/27/64
266'5½"	(1) Helsinki	6/11/58	263'0"	(4) Tokyo	10/14/64
263'8½"	(1) Hanover	6/19/58	271'9½"	(1) Kyoto	10/27/64
262'11½"	(1) Moscow	7/ 6/58	265'9½"	(1) Kielce	5/ 9/65
268'11"	(1) Warsaw	8/ 1/58	262'5½"	(1) Madrid	5/14/65
263'½"	(1) Stockholm	8/24/58	270'4"	(1) Barcelona	5/16/65
275'7"	(1) Budapest	7/11/59	274'11"	(1) Warsaw	5/22/65
267'4½"	(1) Vasteras	8/12/59	268'1"	(2) Warsaw	6/ 5/65
270'9½"	(1) London	8/14/59	274'5"	(1) Riga	6/ 9/65
265'1½"	(1) Gdansk	8/23/59	271'½"	(2) Warsaw	6/20/65
273'9½"	(1) Oslo	8/25/59	267'6"	(1) Gdansk	6/26/65
263'1"	(1) Sarpsborg	8/26/59	280'6"	(1) Zurich	6/29/65
280'8½"	(1) Berlin	9/ 5/59	274'5½"	(1) Oslo	7/ 7/65
268'3½"	(1) Goteborg	9/ 9/59	274'11"	(2) Hyvinkaa	7/ 8/65
263'11½"	(1) Hagfors	9/13/59	278'4"	(2) Varkaus	7/11/65
268'3"	(1) Cologne	9/20/59	269'1"	(2) Oslo	7/14/65
262'5½"	(1) Hyvinkaa	7/16/60	274'3½"	(2) Mikkelii	7/18/65
265'8"	(1) Helsinki	7/19/60	271'11"	(1) Kouvola	7/19/65
264'7"	(1) Zabrze	8/15/60	263'11"	(2) Mantsala	7/21/65
267'7½"	(1) Berne	8/21/60	263'5½"	(2) Rome	9/ 4/65
279'4"	(q) Rome	9/ 7/60	266'4"	(2) Stuttgart	9/12/65
265'7"	(1) Oslo	9/11/60	265'3½"	(1) Dresden	9/25/65
262'11½"	(1) Dortmund	9/14/60	265'6½"	(1) Warsaw	5/15/66
266'4"	(1) Warsaw	9/17/60	266'5½"	(1) Warsaw	6/11/66
263'11"	(1) Warsaw	10/ 2/60	272'2"	(2) Warsaw	6/18/66
263'9"	(1) Kemi	6/22/61	262'10½"	(1) Bydgoszcz	7/ 3/66
269'5"	(1) Rome	10/15/61	265'5½"	(1) Olsztyn	7/10/66
265'8"	(1) Frankfurt	10/14/62	271'6"	(1) Katowice	7/17/66
264'1"	(1) Lublin	10/23/62	278'5"	(2) Minsk	7/25/66
264'9"	(1) Siedlce	10/28/62	272'8½"	(1) Poznan	8/ 7/66
267'8½"	(1) Trento	5/26/63	265'6½"	(1) Warsaw	8/14/66
265'7"	(1) Warsaw	6/ 2/63	266'1"	(1) London	8/20/66
265'6"	(1) Bydgoszcz	6/16/63	263'0"	(q) Budapest	9/ 1/66
269'11"	(1) Leverkusen	8/17/63	267'3"	(1) Warsaw	9/17/66
263'5½"	(1) Bydgoszcz	8/23/63	263'10"	(1) Mielice	9/25/66
265'2"	(1) Helsinki	9/ 8/63	274'7"	(2) Magdeburg	10/ 2/66
266'1"	(1) Moscow	9/14/63	265'4"	(1) Krakow	10/ 9/66
265'7½"	(1) Kielce	9/22/63	265'4"	(1) Starogard	10/16/66

Zsivotzky, Klim, Connolly Tops

by Peter Matthews

Gyula Zsivotzky, Romuald Klim and Hal Connolly dominate world hammer lists. The top 25 performances (on the basis of one throw per meet) of all time are shared exclusively by these three greats. Here are their best ten performances:

Gyula Zsivotzky (Hungary)
born Budapest, Feb 25, 1937 6'2 $\frac{3}{4}$ " 205-lbs.

241'11 $\frac{1}{2}$ "	(1) Debrecen	9/ 4/65	3rd 1958 European
236'0"	(1) Budapest	5/11/66	2nd 1960 Olympics
235'10"	(1) Sacramento	5/11/66	1st 1962 European
233'9 $\frac{1}{2}$ "	(1) Pecs	5/14/66	2nd 1964 Olympics
233'2 $\frac{1}{2}$ "	(1) Budapest	5/ 8/66	2nd 1966 European
232'11"	(1) Budapest	5/21/66	
231'1 $\frac{1}{2}$ "	(1) Budapest	9/23/62	World Record:
230'1 $\frac{1}{2}$ "	(1) Novy Zamky	9/18/66	241'11 $\frac{1}{2}$ " 9/ 4/65
229'9 $\frac{1}{2}$ "	(1) Gyula	9/25/66	
229'5 $\frac{1}{2}$ "	(1) Budapest	10/ 2/65	

Romuald Klim (USSR)
born Minsk, May 25, 1933 6'3 $\frac{3}{4}$ " 225-lbs.

234'5 $\frac{1}{2}$ "	(1) Kiev	9/17/66	1st 1964 Olympics
233'0"	(1) Oslo	8/21/65	1st 1965 European Cup
230'10"	(1) Kiev	7/31/65	Final
230'3 $\frac{1}{2}$ "	(1) Mexico City	10/19/66	1st 1966 European
229'8 $\frac{1}{2}$ "	(1) Budapest	9/ 4/66	
229'1 $\frac{1}{2}$ "	(1) Dnepropetrovsk	8/12/66	
228'9 $\frac{1}{2}$ "	(1) Tokyo	10/18/64	
228'7"	(1) Kiev	9/13/64	
228'5 $\frac{1}{2}$ "	(1) Khabarovsk	9/29/64	
228'5"	(1) London	6/18/66	

Harold Connolly (US)
born Somerville, Mass., Aug 1, 1931 6'0" 240-lbs.

233'9 $\frac{1}{2}$ "	(1) Walnut	6/20/65	1st 1956 Olympics
233'2"	(1) Ceres	5/29/65	8th 1960 Olympics
232'1"	(1) San Diego	6/27/65	6th 1964 Olympics
231'10"	(1) Palo Alto	7/21/62	
231'4 $\frac{1}{2}$ "	(1) Walnut	9/26/64	World Records:
230'9"	(1) Walnut	8/12/60	218'10 $\frac{1}{2}$ " 10/ 3/56
229'3"	(1) Culver City	8/ 4/61	224'10 $\frac{1}{2}$ " 11/ 2/56
227'3"	(1) Walnut	2/ 3/62	225'4" 6/20/58
227'2"	(1) Norwalk	6/20/64	230'9" 8/12/60
226'10"	(1) Los Angeles	7/28/62	231'10" 7/21/62
			233'2" 5/29/65
			233'9 $\frac{1}{2}$ " 6/20/65

There have been in all 178 performances (in separate meets) over 222'0", 122 of them by the three greats:

	236-	230-235	226-229	222-225
56 Zsivotzky	2	6	18	30
38 Connolly		6	9	23
26 Klim		4	12	10
11 Vasiliy Rudenkov (USSR)			2	9
10 Heinrich Thun (Aut)			2	8
7 Ed Burke (US)			3	4
7 Gennadiy Kondrashov (USSR)				7
5 Yuriy Bakarinov (USSR)			2	3
4 Uwe Beyer (Ger)				4
4 Yuriy Nikulin (USSR)				4
3 Sandor Eckschmidt (Hun)				3
3 Aleksey Baltovskiy (USSR)				3
2 Guy Husson (Fr)				2
2 Josef Matousek (Czech)				2
1 Enrique Samuel (Cuba)				1
1 Takeo Sugawara (Japan)				1

Annual progression: Best throw each year, with position in world list.

	Zsivotzky	Klim	Connolly	
1953			177'9"	51
1954		142'7 $\frac{1}{2}$ "	181'9"	45
1955	174'1 $\frac{1}{2}$ "	179'8"	209'7"	2
1956	195'10"	182'8"	224'10 $\frac{1}{2}$ "	1
1957	204'8"	197'11"	216'3"	2
1958	210'3 $\frac{1}{2}$ "	199'3 $\frac{1}{2}$ "	225'4"	1
1959	215'7 $\frac{1}{2}$ "	204'6"	222'8 $\frac{1}{2}$ "	2
1960	228'1 $\frac{1}{2}$ "	210'6"	230'9"	1
1961	214'7"	206'3 $\frac{1}{2}$ "	229'3"	1
1962	231'1 $\frac{1}{2}$ "	217'0"	231'10"	1
1963	226'7"	222'9 $\frac{1}{2}$ "	224'8"	4
1964	226'8"	228'9 $\frac{1}{2}$ "	231'4 $\frac{1}{2}$ "	1
1965	241'11 $\frac{1}{2}$ "	233'0"	233'9 $\frac{1}{2}$ "	2
1966	236'0"	234'5 $\frac{1}{2}$ "	226'1"	4

Their respective win-loss records:

Klim-Zsivotzky 5-0 Klim-Connolly 2-0 Zsivotzky-Connolly 5-2

Leading Performers in Decathlon Events

compiled by John Wells

The following list indicates the leading performers in each of the 10 standard decathlon events. Marks were accepted, of course, only in regular decathlon competition. Please send in amendments to this list.

100-meters			
Bill Toomey (US)	10.3	Salina, Kansas	7/ 2/66
Russ Hodge (US)	10.3	Salina, Kansas	7/ 2/66
Hector Thomas (Ven)	10.3	Caracas	8/15/64
Hans Nerlich (WG)	10.4	Schweinfurt	6/ 4/66
Klaus Grogorenz (EG)	10.5	Berlin	10/14/61
Willi Holdorf (WG)	10.5	Jena	8/29/64
Long Jump			
Mike Herman (US)	26'3"	Eugene, Oregon	7/ 8/60
Steve Anderson (US)	25'9"	Eugene, Oregon	7/ 8/60
Bill Toomey (US)	25'6"	Salina, Kansas	7/ 2/66
C K Yang (For)	25'5 $\frac{1}{4}$ "	Eugene, Oregon	7/ 8/60
Viktor Mikhailchenko (USSR)	25'4 $\frac{1}{4}$ "	Leninakan	10/ 8/66
Shot Put			
Russ Hodge (US)	58'3 $\frac{3}{4}$ "	Hamburg	8/20/66
Mikhail Storozhenko (USSR)	54'3 $\frac{1}{2}$ "	Kiev	8/29/64
Heino Lipp (USSR)	53'1"	Charkov	9/10/48
Phil Mulkey (US)	52'11"	Birmingham, Ala	12/28/62
Werner von Moltke (WG)	52'2 $\frac{1}{2}$ "	Bad Reichenhall	6/ 1/63
High Jump			
Gunther Spielvogel (WG)	6'11 $\frac{1}{2}$ "	Gelsenkirchen	10/ 8/66
Dave Thoreson (US)	6'10 $\frac{1}{2}$ "	Salina, Kansas	7/ 2/66
Phil Shinnick (US)	6'9 $\frac{5}{8}$ "	Trail, Canada	9/ 3/66
Anatoliy Ovseyenko (USSR)	6'9 $\frac{1}{8}$ "	Tashkent	10/18/62
Bill Miller (US)	6'8"	Santa Barbara	7/ 3/51
400-meters			
Bill Toomey	46.8	Los Angeles	7/23/66
Klaus Grogorenz (EG)	47.7	Schweinfurt	7/17/60
C K Yang (For)	47.7	Walnut	4/27/63
Willi Holdorf (WG)	47.8	Karlsruhe	7/18/64
Walter Tschudi (Switz)	47.9	Brussels	7/27/57
110m High Hurdles			
Martin Lauer (WG)	13.8	Dusseldorf	8/30/59
Milt Campbell (US)	14.0	Melbourne	11/30/56
Charles Pratt (US)	14.1	Kingsburg	6/28/57
Bill Albans (US)	14.1	Tulare	6/30/50
C K Yang (For)	14.1	Eugene, Oregon	7/ 9/60
Discus			
Rafer Johnson (US)	170'6 $\frac{1}{2}$ "	Eugene, Oregon	7/ 9/60
Werner von Moltke (WG)	167'2 $\frac{1}{2}$ "	Hamm	7/17/66
Vasiliy Kuznyetsov (USSR)	163'10"	Moscow	5/17/59
Jozsef Bakai (Hun)	163'4 $\frac{1}{2}$ "	Budapest	8/27/65
Werner Glatz (EG)	162'11"	Leipzig	10/ 2/64
Pole Vault			
C K Yang (For)	15'10 $\frac{1}{2}$ "	Walnut	4/28/63
Yuriy Dyachkov (USSR)	15'5"	Leninakan	10/ 9/66
Gerry Moro (Can)	15'5"	Trail, Canada	9/ 4/66
Eduard Ortsiyev (USSR)	15'1 $\frac{1}{4}$ "	Leningrad	5/30/65
Don Jeisy (US)	15'3 $\frac{3}{4}$ "	Walnut	6/27/64
Javelin			
Janis Lulis (USSR)	265'10 $\frac{1}{2}$ "	Tashkent	10/19/62
Jerry Dyes (US)	249'1"	Lawrence, Kan	4/18/64
Joachim Kruger (WG)	241'9 $\frac{1}{2}$ "	Manosque	10/ 9/66
Steve Pauly (US)	241'3"	Corvallis, Ore	6/29/63
Yuriy Kutyenko (USSR)	238'9 $\frac{1}{2}$ "	Kiev	9/ 6/61
1500-meters			
Cestmir Kodrle (Czech)	4:07.6	Opava	10/18/53
Kurt Eriksson (Swe)	4:10.5	Karlstad	7/ 5/64
Dick Emberger (US)	4:11.9	Los Angeles	9/13/64
Russ Hodge (US)	4:12.7	Los Angeles	9/13/64
Bill Toomey (US)	4:12.7	Los Angeles	9/13/64

Tracks

Most of the world's outdoor running tracks measure 400-meters or 440-yards, the measurement being taken one foot outward from the inner border of the track. Each lane of the track must be at least four feet in width. Most are composed of grass or cinders though in recent years a number of "all weather" tracks have been laid in the US. Such a track that has become quite controversial is the one in St. Louis where Bob Hayes set a world record of 9.1 for 100-yards. The IAAF has not yet made a ruling concerning such tracks. The fastest are presumed to be at Zurich and Fresno. (From Melvyn Watman's Encyclopedia of Athletics)

Mt. San Antonio All-Time Top JC Team

by Jack Shepard

Mt. San Antonio Junior College, showing field and hurdle strength, scored 52 points in winning an all-time junior college championship over a trio of closely matched California teams--Pasadena (45 1/13), Santa Ana (44 1/3), and Foothill (42). Forty-nine teams scored with California teams grabbing off 37 of the spots and Howard County of Texas being the top non-California team, in 19th place. In fact, of the 322 points scored by the top 10 teams, all but 63 were scored by teams from three powerful Southern California conferences--Eastern (Mt. SAC, Santa Ana, and Chaffey), Western States (Pasadena, Pierce, and Compton), and Metropolitan (Long Beach and Bakersfield).

The championship was scored in the same fashion as the yearly frosh championship with the first six places receiving 10, 8, 6, 4, 2, and 1 points respectively. Converted metric marks were included and all the standard dual meet events were used with the addition of the 220-yard dash on the straightaway and the 220 low hurdles, both standard dual events until recent years.

The winning team received points from eight men, most by any school. Don Shy in the highs and Geoff Vanderstock in the intermediate hurdles brought home firsts with Geoff adding another point in the highs. Seconds came from Ray Van Asten in the 880 and Joe Faust in the high jump, while vaulter Bob Seagren and javelinist Vince English secured third place points. Chuck Kirkby in the 880 and Larry Tucker in the javelin added the final points. Pasadena received most of its points from sprinter Dave Morris, vaulter Dick Railsback, and the brothers Robinson, Mack and Jackie, in the 220 and long jump. An interesting sidelight is the later success of Jackie as a baseball player. Santa Ana scored firsts from Larry Stuart in the javelin, high jumper Ed Caruthers, and sprinter Fred Kuller, while Bob Delaney was second in the mile and two-mile. Foothill scored all of its points in the field events with 18 coming from a shot trio of Don Castle, Russ Hodge, and Les Mills. Mills also won the discus and Mahoney Samuels added 10 more in the triple jump.

Neill Duggan, the Englishman from Hancock JC, was the top scorer with 24 points for his 1966 JC record mile and two-mile performances, plus a fourth in the 880. Chaffey's Steve Fite scored all 18 of his teams points in the shot and discus. Bob Delaney and Lee Evans (San Jose CC) with 16, Les Mills with 14, Mack Robinson and Pablo McNeil (Compton JC) with 13, Martin Cooley (Pierce JC) with 12, and Vanderstock with 11 round out the top individual scorers.

Mack Robinson has the two oldest marks with a 1936 200-meter turn mark and a 1937 long jump mark. Wilbur Miller from Compton and Clyde Jeffery from Riverside share 1938 marks in the 220, while Hal Davis has 1940 and 1941 sprint marks.

Only Charlie Dumas' high jump mark has ranked as a world record, though Geoff Vanderstock's intermediate hurdle mark is a world best and Lee Evans in the 1600-meter relay and Hal Davis of Hartnell in the 100-meters held or hold records in other events.

A rather surprising fact was that of the 138 individuals listed, 71 were sophomores and 67 frosh when they made the list. It would be expected the more experienced would dominate due to the added year. This was true in the events where conditioning and technique are more necessary such as the distances and throwing events, but the frosh dominated the natural ability events such as the sprints and long jump. *foreigner

100: tie, Fred Kuller (Santa Ana JC) and Travis Williams (Contra Costa JC) 9.3; 3. tie, Dick Burdette (Hartnell JC), *Pablo McNeil (Compton JC), and Willie White (LA Harbor JC) 9.4; 6. tie, Henry Adams (Schreiner JC), Bill Argo (Howard County JC), Jim Bates (East LA JC), Ken Christianson (Dixie JC), Bill Cowings (Sequoias JC), Hal Davis (Hartnell JC), Ken Dennis (LA Valley JC), Monty Frazier (Coffeyville JC), Hodson (NM Military Institute), Rudy Jackson (Contra Costa JC), Eugene Jefferson (East LA JC), *Dennis Johnson (Bakersfield JC), Alvin Mamm (Fresno CC), Dave Morris (Pasadena CC), Darel Newman (Reedley JC), Ben Olison (Bakersfield JC), Keith Owen (Schreiner JC), Charles Robinson (East LA JC), Herman Robinson (Howard County JC), Tim Russell (Long Beach CC), Gilbert Smith (Blinn JC), Rick Taylor (Lubbock Christian JC), Bill Thornton (Mesa, Colo JC), Cecil Turner (Hancock JC), Overton Williams (Merritt JC), and Ralph Wise (Pasadena CC) 9.5.

220s: Dave Morris (Pasadena CC) 20.3; 2. tie, Bill Cowings (Sequoias JC) and Overton Williams (Merritt JC) 20.4; 4. Hal Davis (Hartnell JC) 20.5; 5. tie, Clyde Jeffery (Riverside CC), Wilbur Miller (Compton JC), Dale Rubin (Merritt JC), Tim Russell (Long Beach CC), and Bill Thornton (Mesa, Colo JC) 20.6.

220t: tie, *Pablo McNeil (Compton JC) and Mack Robinson (Pasadena CC) 20.9; 3. Lee Evans (San Jose CC) 21.0; 4. tie, *Dennis Johnson (Bakersfield JC) and Ralph Turner (Glendale JC) 21.1; 6. tie, Bill Cowings (Sequoias JC), Fred Kuller (Santa Ana JC), Ray Norton (Merritt JC), Jim Rodgers (Trade Tech JC), Gilbert Smith (Blinn JC),

and A.J. Williams (Howard County JC) 21.2.

440: Lee Evans (San Jose CC) 45.2m; 2. Gary Comer (Pierce JC) 46.6; 3. tie, Bob Staten (San Diego CC) and Roger Wolff (LA Valley JC) 46.7; 5. tie, Bob Bruce (Hancock JC), Norm Monroe (Compton JC), and Dave Parsley (Fullerton JC) 46.8.

880: Bob Hose (SD Mesa JC) 1:48.3; 2. Ray Van Asten (Mt SAC JC) 1:48.6; 3. Morgan Groth (Clark JC) 1:49.7; 4. *Neill Duggan (Hancock JC) 1:49.9; 5. Charles Kirkby (Mt SAC JC) 1:50.1; 6. Leroy Neal (Fullerton JC) 1:50.2.

Mile: *Neill Duggan (Hancock JC) 3:56.1; 2. Bob Delaney (Santa Ana JC) 4:05.4; 3. Martin Cooley (Pierce JC) 4:06.5; 4. Sterling Jenkins (San Diego CC) 4:07.7; 5. Joe Neff (American River JC) 4:07.8; 6. Dick Krenzer (LA Valley JC) 4:08.0.

2Mile: *Neill Duggan (Hancock JC) 8:54.0; 2. Bob Delaney (Santa Ana JC) 8:57.4; 3. Martin Cooley (Pierce JC) 8:59.6; 4. tie, Sterling Jenkins (San Diego CC) and Dick Krenzer (LA Valley JC) 9:05.0; 6. Charlie Clark (Santa Ana JC) 9:05.2.

120HH: Don Shy (Mt SAC JC) 13.6; 2. Billy Anderson (Compton JC) 13.8; 3. tie, Ron Copeland (East LA JC) and George Greenwood (San Bernardino JC) 13.9; 5. tie, Gaston Green (LACC), Ricky Rogers (Contra Costa JC), and Geoff Vanderstock (Mt SAC JC) 14.0.

220LH: Willie White (LA Harbor JC) 22.6; 2. Sid Nickolas (Vallejo JC) 22.8; 3. tie, Dee Andrews (LBCC), Dick Fischl (LBCC), and Terry Hendrix (LBCC) 22.9; 6. tie, Dick Howard (Compton JC), Ron Stomp (Orange Coast JC), Fred Teixeira (Fresno CC), and Dave White (Sequoias JC) 23.0.

330IH: Geoff Vanderstock (Mt SAC JC) 35.7; 2. Ezunial Burts (Fresno CC) 37.1; 3. Ricky Rogers (Contra Costa JC) 37.3; 4. tie, George Greenwood (San Bernardino JC), Ron Houser (Fullerton JC), and Dave White (Sequoias JC) 37.4.

HJ: Ed Caruthers (Santa Ana JC) 7'1 $\frac{1}{2}$ "; 2. Joe Faust (Mt SAC JC) 7'1 $\frac{1}{4}$ "; 3. Charles Dumas (Compton JC) 7' $\frac{3}{8}$ "; 4. Max Lowe (Foothill JC) 7' $\frac{1}{2}$ "; 5. tie, Otis Burrell (LA Valley JC) and John Rambo (LBCC) 7'0".

PV: Dennis Phillips (San Mateo JC) 16'8"; 2. Dick Railsback (Pasadena CC) 16'6"; 3. Bob Seagren (Mt SAC JC) 16'4"; 4. Rick Sloan (Fullerton JC) 16'2"; 5. Greg Miguel (El Camino JC) 16'0"; 6. Tom Dullam (Ventura JC) 15'8 $\frac{3}{4}$ ".

LJ: Ernie Shelby (Pierce JC) 26'1 $\frac{1}{4}$ "; 2. *Henk Visser (Bakersfield JC) 25'6 $\frac{3}{4}$ "; 3. Jackie Robinson (Pasadena CC) 25'6 $\frac{1}{2}$ "; 4. Mack Robinson (Pasadena CC) 25'5 $\frac{1}{2}$ "; 5. Rosslyn Range (LA Harbor JC) 25'4 $\frac{1}{4}$ "; 6. Dee Andrews (LBCC) 25'3 $\frac{3}{8}$ ".

TJ: *Mahoney Samuels (Foothill JC) 51'10 $\frac{3}{4}$ "; 2. Larry Freeman (LBCC) 51'6 $\frac{1}{2}$ "; 3. Mike Woods (East LA JC) 51'4 $\frac{3}{8}$ "; 4. tie, Sylvester Johnson (Compton JC) and Dwight Tucker (San Francisco CC) 51'1 $\frac{1}{2}$ "; 6. Harold Thompson (Fresno CC) 50'8".

SP: Steve Fite (Chaffey JC) 60'8 $\frac{1}{2}$ "; 2. Don Castle (Foothill JC) 59'11"; 3. Russ Hodge (Foothill JC) 58'3 $\frac{1}{4}$ "; 4. *Les Mills (Foothill JC) 58'3"; 5. Jeff Smith (LBCC) 57'8 $\frac{1}{2}$ "; 6. Houston Ridge (Reedley JC) 57'7 $\frac{3}{4}$ ".

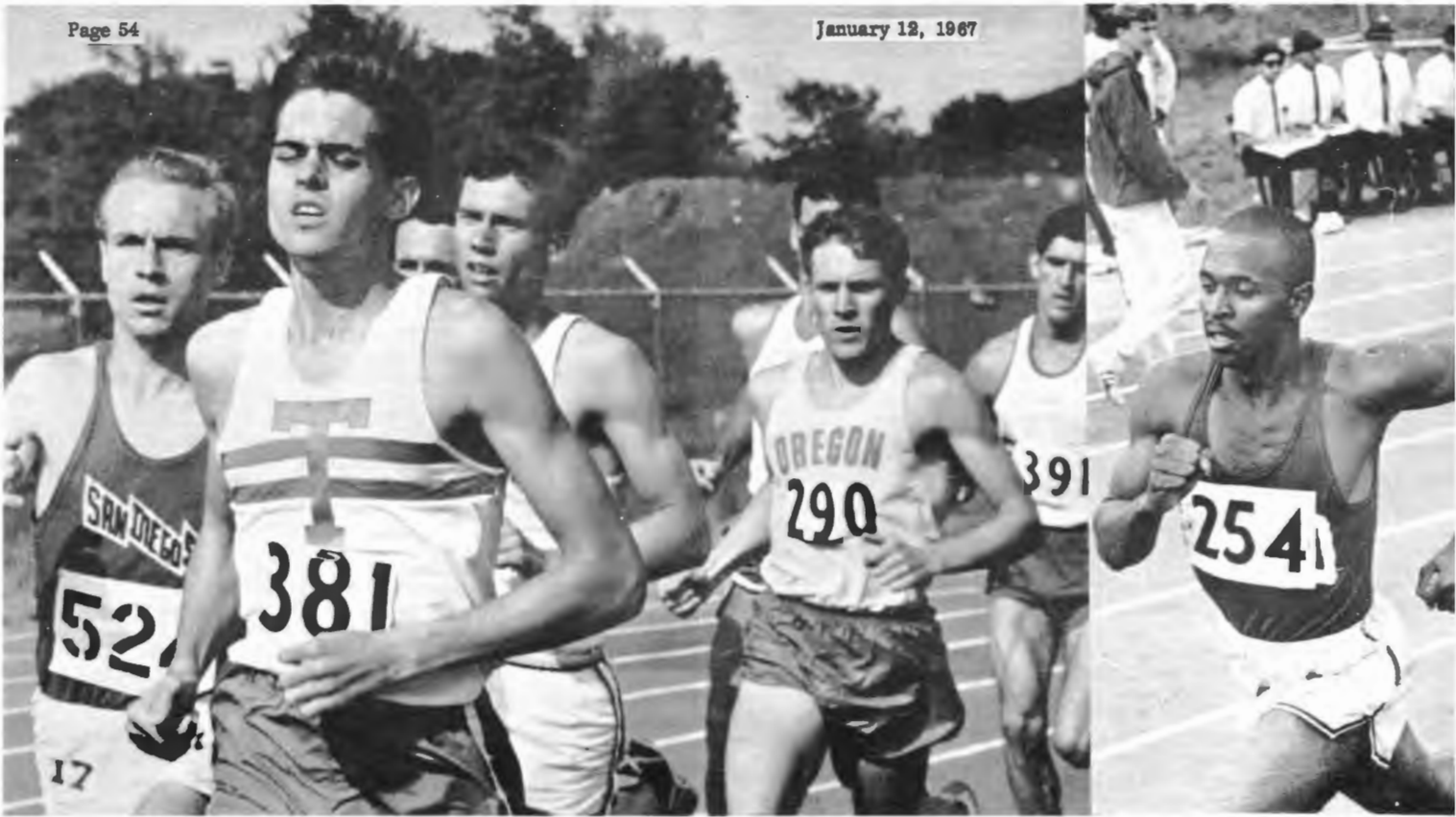
DT: *Les Mills (Foothill JC) 187'5"; 2. Steve Fite (Chaffey JC) 182'1 $\frac{1}{2}$ "; 3. *Joe Keshmiri (Hancock JC) 177'2"; 4. George Treadwell (Phoenix JC) 176'1"; 5. Ed Mooney (Scottsbluff JC) 175'11"; 6. Kirk Wassell (Fullerton JC) 173'6".

JT: Larry Stuart (Santa Ana JC) 256'2"; 2. Frank Covelli (Cerritos JC) 239'6 $\frac{1}{2}$ "; 3. Vince English (Mt SAC JC) 234'1 $\frac{1}{2}$ "; 4. Dick Tomlinson (San Diego CC) 231'0"; 5. John Tushaus (Palomar JC) 228'7"; 6. Larry Tucker (Mt SAC JC) 223'1".

440R: tie, Trade Tech JC, Pasadena CC, and San Francisco CC 40.9; 4. tie, Bakersfield JC and Bakersfield JC 41.0; 6. tie, Bakersfield JC, Cerritos JC, LA Valley JC, Santa Ana JC, Schreiner JC, and Victoria JC 41.1.

MileR: Howard County JC 3:11.2; 2. tie, Cerritos JC and Santa Ana JC 3:12.4; 4. Phoenix JC 3:12.5; 5. Pierce JC 3:12.6; 6. tie, Fullerton JC and Glendale JC 3:12.7.

Scoring: Mt. San Antonio JC 52; 2. Pasadena CC 45 1/13; 3. Santa Ana JC 44 1/3; 4. Foothill JC 42; 5. Compton JC 31 17/20; 6. Pierce JC 26; 7. Long Beach CC 24 101/130; 8. Hancock JC 24 1/26; 9. Chaffey JC 18; 10. Bakersfield JC 17 19/78; 11. Contra Costa JC 16 1/26; 12. tie, San Jose CC and LA Harbor JC 16; 14. Cerritos JC 15 1/6; 15. San Diego CC 13; 16. East LA JC 11 3/26; 17. San Francisco CC 11; 18. Fullerton JC 10 1/3; 19. Howard County JC 10 19/78; 20. tie, San Diego Mesa JC and San Mateo JC 10; 22. Fresno CC 9 15/52; 23. Sequoias JC 9 45/156; 24. LA Trade Tech JC 8 1/6; 25. Hartnell JC 8 1/26; 26. tie, Clark JC, Phoenix JC, and Vallejo JC 8; 29. LA Valley JC 7 55/78; 30. Merritt JC 7 157/195; 31. San Bernardino JC 7 1/3; 32. Glendale JC 4; 33. tie, American River JC, El Camino JC, Palomar JC, Scottsbluff JC 2; 37. Reedley JC 1 1/26; 38. tie, Los Angeles CC and Ventura JC 1; 40. Mesa, Colo. JC 83/130; 41. Riverside JC 3/5; 42. Schreiner JC 19/78; 43. Orange Coast JC 1/4; 44. Blinn JC 8/39; 45. Victoria JC 1/6; 46. tie, Coffeyville JC, Dixie JC, Lubbock Christian, and New Mexico Military Institute 1/26.



Mile heat, from left: GAVIN RILEY (San Diego State), BOB REDINGTON (Tennessee), BRUCE BESS (Southern California), JIM WARNER (Army), DAVE WILBORN (Oregon), ALBERT VAN TROBA (Abilene Christian) and RICHARD ROMO (Texas).

880 heat, from left: JOHN TILLMAN (Southern California).

NCAA PHOTOS B



High hurdle heat, from left: AL ROCKWELL (Brigham Young), ROGER NEISWENDER (Tennessee), AL WILLIAMS (Fresno State), DAVE WILLIAMS (Washington) and BOB BLUM (Oregon).

100 heat, from left: CHARLIE G... and BOB ROVERE (E...



io U), PRESTON DAVIS (Texas) and DENNIS CARR
EVE MURDOCK

Mile final, from left: DAVE PATRICK (Villanova), ED DEAN (Notre Dame), RICHARD ROMO (Texas), BRUCE BESS (Southern California), CONRAD NIGHTINGALE (Kansas State), BOB RICHARDS (Brigham Young) and DAVE WILBORN (Oregon).



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messee State).

220 semi, from left: WAYNE HERMEN (San Jose State), TOM JONES (UCLA), DENNY KOHL (Iowa), GIL SMITH (Texas A&M), BERNIE RIVERS (New Mexico), MICKEY MILLER (Oklahoma State), JIM LEE (Maryland), and DAVE REEVES (Brigham Young).

How Long World Records Have Stood

by Jack Shepard

The following tabulation indicates the length a world record has stood as of the beginning of each of the listed years. The listing does not include records tied, only those broken. For years prior to official world records the unofficial bests are used.

Event	1900	1910	1920	1930	1940	1950	1960	1961	1962	1963	1964	1965	1966
100y	9y1½m	7y7m	17y7m	0y7m	9y7m	1y7½m	11y7½m	12y7½m	0y6m	1y6m	0y6m	1y6m	2y6m
100m	8y6m	3y4m	13y4m	8y8m	3y6½m	13y6½m	3y5m	0y6m	1y6m	2y6m	3y6m	4y6m	5y6m
220y	3y7m	13y7m	23y7m	3y8m	4y7m	0y8m	3y6½m	4y6½m	5y6½m	6y6½m	7y6½m	8y6½m	9y6½m
200mst	3y7m	13y7m	23y7m	3y8m	4y7m	0y8m	3y6½m	4y6½m	5y6½m	6y6½m	7y6½m	8y6½m	9y6½m
200mt	-----	-----	5y6m	0y4½m	7y11½m	17y11½m	27y11½m	0y7m	1y7m	2y7m	0y9m	0y9m	1y9m
220yt	4y4m	14y4m	5y6m	0y4½m	7y11½m	17y11½m	27y11½m	0y7m	1y7m	2y7m	0y9m	0y9m	1y9m
440y	10y6m	9y3m	3y7m	13y7m	7y9m	1y7m	1y6½m	2y6½m	3y6½m	4y6½m	0y7m	1y7m	2y7m
400m	-----	-----	3y7m	1y7½m	4y½m	1y6m	3y6m	0y4m	1y4m	2y4m	3y4m	4y4m	5y4m
800m	4y3½m	1y5½m	7y5½m	1y5½m	0y5½m	10y5½m	4y5m	5y5m	6y5m	0y11m	1y11m	2y11m	3y11m
880y	4y3½m	0y3½m	3y7½m	3y8m	1y4½m	11y4½m	2y7m	3y7m	4y7m	0y11m	1y11m	2y11m	3y11m
1500m	4y	1y7m	2y5m	3y3½m	3y5m	2y5½m	1y4m	0y3m	1y3m	2y3m	3y3m	4y3m	5y3m
Mile	4y4m	14y4m	4y5½m	6y4m	2y4m	4y5½m	1y5m	2y5m	3y5m	0y11m	1y11m	0y1½m	0y6½m
2Mile	15y8m	5y6½m	15y6½m	3y3½m	0y5½m	5y5m	1y4½m	2y4½m	0y5½m	0y6½m	0y6½m	0y4m	0y6m
3Mile	6y7m	6y7m	16y7m	6y4m	0y6½m	7y3½m	1y5½m	2y5½m	0y5m	1y5m	2y5m	0y1m	0y5½m
6Mile	7y2m	5y2m	15y2m	25y2m	0y3½m	0y4m	3y5½m	4y5½m	5y5½m	6y5½m	0y½m	1y½m	0y5m
5000m	-----	2y	7y5½m	5y6½m	0y6½m	7y3½m	2y2½m	3y2½m	4y2½m	5y2½m	6y2½m	7y2½m	0y1m
10,000m	-----	5y1½m	8y1½m	5y4m	0y3½m	0y2½m	3y3½m	0y2½m	1y2½m	0y4½m	0y½m	1y½m	0y5½m
3000mst	-----	-----	-----	1y5m	3y4½m	5y5m	1y5m	0y6m	0y4½m	1y4½m	0y3½m	1y3½m	2y3½m
10Mile	15y8½m	5y2m	15y2m	1y2½m	11y2½m	3y3½m	8y3m	9y3m	0y8½m	1y8½m	2y8½m	0y8½m	0y10m
120yHH	1y6½m	1y5m	11y5m	9y7m	3y4m	1y8½m	0y7½m	1y7½m	2y7½m	3y7½m	4y7½m	5y7½m	6y7½m
110mHH	-----	1y5m	11y5m	0y4m	3y4m	9y8m	0y7½m	1y7½m	2y7½m	3y7½m	4y7½m	5y7½m	6y7½m
200mLHst	-----	5y3m	15y3m	5y7½m	4y7m	2y6m	1y7½m	0y9m	1y9m	2y9m	3y9m	4y9m	5y9m
220yLHst	1y7m	11y7m	21y7m	5y7½m	4y7m	2y6m	1y7½m	0y9m	1y9m	2y9m	3y9m	4y9m	5y9m
200mLHt	-----	-----	-----	5y6½m	0y6m	10y6m	0y5½m	1y5½m	2y5½m	3y5½m	4y5½m	5y5½m	6y5½m
220yLHt	-----	-----	-----	5y6½m	5y7½m	3y6m	1y6½m	2y6½m	3y6½m	4y6½m	5y6½m	6y6½m	7y6½m
400mIH	-----	1y5m	11y5m	1y6m	5y5m	15y5m	1y5m	2y5m	3y5m	4y5m	5y5m	0y3½m	1y3½m
440yIH	8y4½m	18y4½m	9y5½m	2y6m	12y6m	7y8m	1y5m	0y8½m	1y8½m	2y8½m	3y8½m	4y8½m	5y8½m
HJ	4y3m	14y3m	5y8m	5y7m	2y4½m	8y6½m	3y6m	0y6m	0y4m	0y3m	0y5m	1y5m	2y5m
PV	1y6½m	1y6½m	7y6½m	1y8m	2y7m	7y7m	2y8m	0y6m	0y7½m	0y6m	0y4m	0y5m	1y5m
LJ	0y7m	8y5m	18y5m	1y3½m	4y7m	14y7m	24y7m	0y4½m	0y5½m	0y6½m	1y6½m	0y3½m	0y7m
TJ	6y3½m	1y5m	8y7m	5y5½m	3y5m	13y5m	0y8m	0y5m	1y5m	2y5m	3y5m	4y5m	5y5m
SP	2y3m	0y4½m	10y4½m	1y4m	5y5m	0y5m	0y5m	0y4½m	1y4½m	0y7½m	1y7½m	0y5m	0y7½m
DT	0y3½m	0y7m	7y7m	0y9½m	4y8m	0y4½m	0y6½m	1y6½m	0y4½m	0y6m	0y8m	0y5m	0y2½m
HT	0y3m	0y5m	6y4½m	16y4½m	1y4m	0y4m	1y6½m	0y4½m	1y4½m	0y5½m	1y5½m	2y5½m	0y4m
JT	0y6½m	1y6m	0y4m	1y4½m	1y2½m	11y2½m	0y7m	1y7m	0y7m	1y7m	2y7m	0y4m	1y4m
Decathlon	-----	-----	-----	1y5m	3y4½m	13y4½m	0y7½m	0y5½m	1y5½m	2y5½m	0y8m	1y8m	2y8m
400mR-2t	-----	-----	8y5½m	0y5m	3y4½m	13y4½m	1y4m	0y3½m	0y5½m	1y5½m	2y5½m	0y2½m	1y2½m
440yR-1t	-----	-----	0y6½m	2y6m	1y7½m	11y7½m	0y7m	1y7m	2y7m	3y7m	4y7m	5y7m	6y7m
440yR-2t	-----	-----	-----	-----	-----	-----	-----	-----	0y7m	0y5m	0y9½m	0y7½m	0y7½m
880yR	-----	-----	0y6½m	2y6m	2y7½m	0y7½m	1y7m	2y7m	3y7m	4y7m	5y7m	6y7m	7y7m
1600mR	-----	-----	7y5½m	1y4½m	7y4½m	17y4½m	7y5m	0y3½m	1y3½m	2y3½m	3y3½m	0y2m	1y2m
MileR	-----	-----	4y8½m	1y8½m	3y7½m	8y6½m	4y4½m	4y4½m	5y4½m	6y4½m	0y8m	1y8m	2y8m
2MileR	-----	-----	9y4m	3y6m	3y7½m	8y9m	1y7½m	0y3½m	1y3½m	2y3½m	0y7m	1y7m	0y7½m
6000mR	-----	-----	0y4½m	3y5½m	0y3½m	0y6m	1y4½m	2y4½m	0y6m	1y6m	0y5m	1y5m	0y7m
4MileR	-----	-----	6y6½m	6y6m	2y8m	1y4m	0y3m	1y3m	0y5½m	0y9½m	1y7½m	2y7½m	3y7½m
# of Events	5.087	6.063	9.391	4.298	3.493	6.793	4.007	2.080	2.115	2.485	2.532	2.725	2.947
6 Sprints	5.825	10.840	14.972	2.888	6.368	6.750	13.007	3.897	2.708	3.708	3.430	4.097	5.097
6 Middle Distance	5.484	5.380	4.187	4.983	5.303	5.305	2.445	2.423	3.423	1.980	2.153	2.688	3.590
6 Long Distance	11.282	4.933	12.840	7.813	2.220	3.972	3.340	3.660	2.077	2.618	1.993	1.737	.458
9 Hurdles	3.833	6.575	13.423	4.190	4.806	6.542	1.194	1.374	2.250	3.250	4.019	4.338	5.338
4 Field (jumps)	3.168	6.408	6.160	3.500	3.240	11.030	7.855	.448	.708	.928	1.428	1.635	2.458
4 Field (throws)	.833	.718	6.168	4.970	3.158	3.083	.958	.968	.928	.793	1.583	.908	.625
9 Relays	-----	-----	4.745	2.745	3.151	7.766	2.193	1.630	1.943	2.607	2.180	2.292	2.741

European Championship Amendments

The following are amendments to the European Championship summaries which appeared in the Sept. 8 issue of Track Newsletter.

100: Heat V, wind was -.22 mph. Semis (8/31, three heats, two qualify, plus two fastest third placers), I (1.34 mph)-1. Bambuck (Fr) 10.5; 2. Giani (It) 10.6; 3. Kelly (GB) 10.7; 4. Felsen (WG) 10.7; 5. Zamfirescu (Rum) 10.8; 6. Anielak (Pol) 10.8; 7. Ozolin (SU) 10.8; 8. Erbostasser (EG) 10.8. II (-2.91 mph)01. Knickenberg (WG) 10.6; 2. Maniak (Pol) 10.6; 3. Ivanov (SU) 10.7; 4. Campbell (GB) 10.8; 5. Berger (Fr) 10.8; 6. Vanhee (Bel) 10.9; 7. Barandum (Switz) 11.0. III (-1.34 mph)-1. Giannattasiu (It) 10.7; 2. Piquemal (Fr) 10.7; 3. Metz (WG) 10.8; 4. Lebedev (SU) 10.9; 5. Jones (GB) 10.9; 6. Nikolaidis (Gr) 11.0; 7. Honger (Switz) 11.2; disq--Eggers (EG).

200: Heat I, wind -2.91 mph. II, wind -.67. III, wind nil. IV, 1.34 mph. V, wind 4.473 mph. Semis I, wind 1.79 mph. II, wind 2.01 mph. Final, wind nil.

1500: Heat II-1. De Hertoghe (Bel) 3:40.7.

110H: Heat I, wind nil. II, wind nil. III, wind -.22 mph. IV, wind -.22 mph. Semis (9/3, two heats, four qualify), I (-3.58 mph)-1. Ottoz (It) 13.7 EMR; 2. Duriez (Fr) 14.0; 3. Mikhailov (SU) 14.1;

5. Hemery (GB) 14.2; 6. Cecmon (Czech) 14.4; 7. Trzmiel (WG) 14.5; 8. Marchesi (Switz) 14.9. II (nil)-1. John (WG) 14.1; 2. Skomorohkov (SU) 14.1; 3. Cornacchia (It) 14.1; 4. Forssander (Swe) 14.2; 5. Balikin (SU) 14.3; 6. Schoebel (Fr) 14.5; 7. Kolodziejczyk (Pol) 14.5; 8. Taitt (GB) 14.5. Final, wind nil.

400IH: Final, 8. Hebrard (Fr) 52.9.

400R: Heat I-5. Poland 40.6.

1600R: Final, 3. East Germany 3:05.7 (Zerbes 45.7, Klann 47.6, Both 46.3, Weiland 45.1); 5. Great Britain 3:05.9 (Adey 47.5, Sherwood 46.4, Winbolt Lewis 46.6, Graham 45.4); 6. Italy 3:06.5 (Bello, Bianchi, Frinolli 45.5, Fusi); 7. Czechoslovakia 3:09.3 (Hegves, Haisl, Penkava, Trousil 45.0); 8. Hungary 3:10.3 (Batori, Horvath, Rabai, Nemeshazi).

TJ: Final, 1. Stoikovski (Bul) 54'8¼"; 2. Ruckborn (EG) 54'8"; 3. Kalocsai (Hun) 54'5½"... 5. Schmidt (Pol) 53'11½"; 10. Nemcovsky (Czech) 52'11½".

DT: Final, 9. Jaras (SU) 177'1".

Dec: 16. Poseřina (It) 6:56; 17. Mandl (Aut) 6:54; 18. Clarke (GB) 6:54; 19. Grzegorzewski (Pol) 6:53; 20. Castang (Fr) 6:50; 21. Trautmann (Switz) 6:47; 22. Hubai (Hun) 6:50; 23. Lespagnard (Bel) 6:50; 24. Anyamak (Fr) 6:50; 25. Jegeni (Alb) 6:51; dnf--Bakai (Hun), Sedleger (Switz).