

# TRACK NEWSLETTER

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## Hayes, Carr Maintain U.S. Sprint Supremacy

by Jack Barlow

(Reprinted from Modern Athletics)

The often sudden and surprising advance in standard in the various events is one of the more pleasing and exciting features of international athletics and, at a time when there is, seemingly, a lull in progress over certain distances like, for instance, the 5000 meters for which the present world's record has stood since 1957, we have been startlingly confronted with an amazing breakthrough in the very events in which one was least expected - the sprints.

Suddenly, this year, two blazing speed merchants from across the Atlantic, burly Bob Hayes and powerful Henry Carr, have shown that the human ultimates have not, after all, quite been reached even in these explosive and highly developed events.

Generating fantastic momentum Hayes has now come within one-tenth of the fabled 9.0 flat 100 yards while Carr, in recording an equally astonishing 20.3 for a full turn 220 yards, has made a distinct step forward and could become the first man to break 20.0 for this distance over a straight course.

In effect these two men have not spearheaded the remarkable post-war upsurge in sprinting standards which has gradually built-up since Mel Patton broke what had virtually been a 20 years old deadlock by shattering the pre-war world records for both the 100 and 220 yards with marks of 9.3 (1948) and 20.2 (1949) respectively.

1956 saw the last of the pre-war world sprint records fall when Willie Williams and Ira Murchison both recorded 10.1 for the 100 meters while also that year Dave Sime streaked down a 220 yards straightaway in exactly 20.0.

By 1960 the world's 100 meters record had been cut to 10.0 flat by two non-Americans, Armin Hary of Germany and Harry Jerome of Canada, and when, at the Olympic Games in Rome that year, Hary captured the shorter sprint and Livio Berruti of Italy the longer one people began to wonder whether American dominance in the dashes was at last coming to an end.

A new world 100 yards record of 9.2 by Frank Budd in 1961, however, showed that United States sprint stars were as formidable as ever and with the full blooming this year of Hayes and Carr American supremacy looks well established again.

Bob Hayes, at 5'11" and 193 is physically one of the strongest sprinters ever known. Born in December, 1942, he is no newcomer to big-time track for at 18 years of age in 1961 he clocked the world's fastest time that year for a straight 220 yards with 20.1 and was also credited with an authentic 9.3 "century" that season.

As if to prove his true standing as early as possible Hayes electrified track followers everywhere by equalling Frank Budd's world 100 yards record of 9.2 in his very first outdoor competition of 1962 at Coral Gables, Florida, in February.

Everything seemed in order for the mark to be put forward as officially equal to Budd's world figures, for the three chief watch-holders all agreed, the track was the correct distance and, most remarkably, Hayes ran against a slight wind until the US Amateur Athletic Union ruled it out on the rather surprising ground that the starter used a .22 caliber pistol instead of the required .32 type which issue more smoke when fired.

Any disappointment Hayes may have felt at this rejection was soon forgotten as this talented Negro became fully engaged for Florida agricultural and mechanical university in a welter of inter-college competition. Tuning up for eagerly awaited first ever clash with Budd, he turned in one of the most amazing examples of consistently fast sprinting ever seen, even in America, when, in a two day meeting in Atlanta, Georgia, in May, he astounded all the watch-holders present by winning his heat, semi-final and final of the 100 yards all in 9.3 not to mention taking the 220 yards (straight) as well in 20.4.

Six days later at the famous Los Angeles Coliseum Relays he left spectators breathless by first smashing Budd by a full yard to win the individual 100 meters in 10.2 and then produced fabulous last leg sprints for two separate Florida A & M relay teams. In the 400

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## Foreign News

from Sven Ivar Johansson

Oslo, Sept. 21-22--Norway drew the closest it has been to Sweden since 1931 as the Norwegian athletes held Sweden to a 106 to 106 tie. It was considered a good recovery from last year's 38 point defeat. "Esso" Larsson continued on his winning ways as he first took the 1500 in 3:44.8, followed by Karl Olofsson of Sweden in the same time. On Sunday the Sweden returned to easily capture the 5000 in 14:02.0.

C. F. Buaes of Norway dipped under 47.0 for the second time as he won in 46.8 with B. G. Fernstrom of Sweden second in 47.1. Buaes also won the 100 and 200.

PV, Hovik 15'3". 400IH, Liebrand (Swe) 51.8 (personal record). 10,000, Lundemo 29:55.6. JT, Pedersen 267'8 $\frac{1}{2}$ "; 2. Gustavsson (S) 256'6 $\frac{1}{4}$ ". HJ, Pettersson (S) 6'10 $\frac{1}{4}$ "; 2. Nilsson (S) 6'9 $\frac{1}{8}$ ". DT, Haglund (S) 183'6". HT, Asplund (S) 210'10 $\frac{1}{2}$ "; 2. Krogh 207'9 $\frac{1}{2}$ ".

FRANCE 106, RUSSIA 106, (a) 110HH, Mikhailov (R) 13.9; 2. Chardel 13.9; 3. Duriez 13.9. 100, Piquemal 10.3; 2. Ozolin (R) 10.4. 800, Pellet 1:49.6. 400, Boccardo 47.6. 5000, Tyurin (R) 13:48.2; 2. Bernard 13:53.4; 3. Fayolle 14:10.8. BJ, Ter Ovan- esyan (R) 26'4 $\frac{1}{2}$ "; 2. Cochard 25'1 $\frac{1}{2}$ "; 3. Lefevra 25'0". HT, Kon- drachev (R) 217'11 $\frac{1}{2}$ "; 2. Bakarinov (R) 212'4"; 3. Husson 207'4 $\frac{1}{2}$ ". 400R, France (Lambrot, Genevay, Piquemal, Delecour) 39.7. (b) 400IH, Van Praagh 51.6. 1500, Jazy 3:44.3; 2. Wadoux 3:44.3. 200, Piquemal 20.8; 2. Delecour 21.2. SP, Lipsnis 61'5 $\frac{3}{4}$ "; 2. Karachev (R) 59'5". 3000St, Sokolov 8:46.2; 2. Osipov 8:47.0. HJ, Brumel (R) 7'1 $\frac{1}{2}$ "; 2. Bolshov 6'9 $\frac{3}{8}$ ". 10,000, Tyurin 29:23.8. TJ, Kreyer 52'5 $\frac{1}{2}$ ". 1600R, France 3:09.4.

MIELEC, POLAND, Piatkowski 190'8 $\frac{1}{2}$ "; 2. Begier 188'5". BYDGOSZCZ, POLAND, 200, Foik 21.0. 400, Badenski 46.2; 2. Arkhipchuk (USSR) 46.4. 400IH, Anisimov (USSR) 51.4. 3000St, Schklarzyk 8:45.4. HJ, Czernik 6'8 $\frac{3}{4}$ ". TJ, Ruckborn (EG) 53'7 $\frac{3}{4}$ ".

KIEV, USSR, SP, Skobla (Czech) 59'9 $\frac{1}{4}$ ". 400, Arkhipchuk 46.9.

DRESDEN, EAST GERMANY, PV, Preussger 15'7".

WEST GERMANY 131, FINLAND 81, Stuttgart, 100, Ender- lein 10.2; 2. Hebauf 10.2 (wind). 200, Schumann 21.1. 400IH, Haas 51.1; 2. Janz 51.3. BJ, Eskola 26'2 $\frac{1}{2}$ "; 2. Klein 25'9". PV, Lehnertz 15'5"; 2. Reinhardt 14'9 $\frac{1}{4}$ ". SP, Birlenbach 59'10 $\frac{1}{2}$ "; 2. Yrjola (F) 58'8 $\frac{1}{4}$ ". DT, Repo (F) 183'4".

GREAT BRITAIN 113, RUSSIA 97, Volograd, 110HH, Parker (GB) 14.1 (equals BG record). 100, D. Jones (GB) 10.4. 400, Bright- well (GB) 46.6; 2. Metcalfe (GB) 46.8. 800, Fleet (GB) 1:49.1. 5000, Anderson (GB) 14:04.4; 2. Tulloh (GB) 14:04.6. 400R, Great Britain 39.9. JT, Kuznetsov 250'2". HJ, Brumel (R) 7'1 $\frac{7}{8}$ "; 2. Kachkarov (R) 6'10 $\frac{3}{4}$ ". 400IH, Cooper (GB) 50.5 (record). 200, D. Jones (GB) 21.4. 1500, Taylor (GB) 3:44.8; 2. Boulter (GB) 3:44.8. 10,000, Ivanov 29:18.2; 2. Heatley (GB) 29:25.6. 1600R, Great Britain 3:06.6. SP, Lipsnis 61'1 $\frac{1}{2}$ "; 2. Gheorghiev 60'8 $\frac{3}{4}$ ". 3000St, Her- riott (GB) 8:36.2 (record); 2. Sokolov 8:36.6.

ROME, 100, Berruti 10.5; 2. Ottolina 10.6.

ODESSA, USSR, HJ, Slabchuk 6'10 $\frac{1}{4}$ ".

PRAGUE, CZECH, 10,000, Roelants (Bel) 29:07.2. DT, Da- nek 194'1 $\frac{1}{2}$ ".

BUDAPEST, HT, Zsivotzky 223'10".

GREAT BRITAIN 106.5, HUNGARY 105.5, Budapest, 100, D. Jones (E) 10.3. 200, Jones (E) 20.9. 400, Metcalfe (E) 46.2; 2. Brightwell (E) 46.2. 800, Carter (E) 1:48.7; 2. Fleet (E) 1:49.2; 3. Parsch 1:49.7. 1500, Parsch 3:45.0; 2. Taylor (E) 3:45.4. 3. Boulter 3:45.0. 5000, Anderson (E) 13:51.6; 2. Mecser 13:53.6. 3. Heatley (E) 13:57.0. 10,000, Batty (E) 29:14.6; 2. Suto 29:16.4; 3. Suhak 29:19.0. HH, Parker (E) 13.9 (record). IH, Cooper (E) 51.4. 3000St, Macsars 8:35.0; 2. Herriott (E) 8:35.4 (record); 3. Faxekas 8:43.2. 400R, Great Britain 39.9; 2. Hungary 39.9 (record). SP, Nagy 61'9 $\frac{3}{4}$ "; 2. Variu 61'9 $\frac{3}{4}$ ". DT, Szecsenyi 186'7"; 2. Klics 181'4 $\frac{1}{2}$ ". HT, Zsivotzky 219'6".

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yard relay race he was actually timed at 7.8 over the last stage in an unsuccessful effort to catch the winning foursome from Texas Southern University, while in the 880 yard relay event his team gained revenge upon the Texas quartet thanks mainly to his incredible final furlong of 19.7.

The first defeat of his two-year college career followed when the Canadian Negro, Harry Jerome, just pipped him on the post in a 9.3 100 yards at the California Relays, a result which was hotly disputed by many of the spectators present.

This reverse naturally aroused more interest than ever in the National Collegiate Championships which were to be staged that year at Eugene, Oregon, and where, had things gone according to every true fans hopes, the track world might have witnessed one of the greatest sprint races ever staged between Hayes, Budd and Jerome.

As it was, Hayes's university, which is not a rich one financially, declined to pay his expenses across the nation - no small item when one considers the vastness of the United States. The same problem, of course, posed itself again for the National AAU Championships held in Walnut, California, one week later but, fortunately for Bob, his many friends and admirers in Florida raised his expenses and he rewarded their kindness in the best possible way by becoming the National 100 yards champion in 9.3.

Here he took the chance he had missed in the NCAA meet, that of beating his two chief rivals, Budd and Jerome, in one race. This, of course, he did although his victory was not wholly satisfactory because, Budd, running in which proved to be the last race of his career, badly tore a right thigh muscle and failed to finish.

Automatic selection for the US team followed and in that year's match against Russia and Poland he easily outclassed the opposition over 100 meters. Later, while touring Scandinavia, this colored flash from Florida equalled the American record for this distance with a 10.1 clocking in Hasseholm, Sweden, and by the season's end, with top marks over 100 yards of 9.2 and 9.3 seven times; and of 10.1 and 10.2 three times over 100 meters, Hayes already rated, clockwise, with the swiftest performers of all time.

It almost goes without saying that only a truly great sprinter can stay at the top for more than one season in America for each year the huge turnover in athletic talent produces men determined to knock the champion off his pedestal. 1963 has thrown up the sensational Henry Carr from Arizona State University, a 20 years old, 6'3", 185 speedster who has seared to the forefront with the greatest series of furlongs around full turn tracks ever witnessed, as the following list clearly shows:-

March	220t	20.6
March 16	220t	20.6
March 19	220t	20.4 *
March 23	220t	20.3 †
May 4	220half	20.5
May 17	220t	20.9n

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May 24	220t	20.4 **
May 25	220t	20.5
June 15	220t	20.5
June 22	220t	20.4

-n Non winning.

\* Track 18ins. short.

† World record.

\*\* Heat.

Despite such wonderful consistency that one defeat depicted on the list above was inflicted by Hayes who led all the way and held a yard margin at the finish to win in 20.8 at the Coliseum Relays in Los Angeles. Here was proof indeed of Hayes's admirable competitive ability for many have been inclined to think of as being only really effective over 100 yards or 100 meters.

Ever since the 1920's when American sportswriters were unanimous in declaring Charles Paddock as the "World's Fastest Human" the term has been conferred upon several succeeding sprinters over the years. By his deeds this year Bob Hayes most certainly qualifies to be the latest claimant to this somewhat pseudo title.

Super-fast times have been synonymous with his name since February when, in one of his rare indoor appearances, he became the first man in history to break 7.0 for 70 yards with a 6.9 clocking in Louisville. In March he equalled the world's 220 yards turn record of 20.5 at Coral Gables (just before Carr broke it) and then, in his first big competitive test of the season at the Mount San Antonio Relays in Walnut, California, actually broke 10.0 for 100 meters with an amazing 9.9 win over Carr, but an 11 mph following wind ruled it out as a record.

Three brilliant victories in the short sprint at each of the three major annual Californian meetings, the Coliseum Relays, the California Relays and the Compton Invitational, each in 9.3 followed to put the final polished edge on his sprinting abilities before his Championships at St. Louis where twice within an hour he ran the "100" in 9.1.

Actually only the first of these two astounding performances, made in a heat, is likely to be accepted as the new world's record, since in his second run, in the final, there was a following wind over the allowable limit. In his heat, however, the wind was practically negligible at 2.2 mph and the only flaw which may uphold its recognition could come from the fact that it was made on the new revolutionary asphalt-rubber tract in the St. Louis stadium, a surface which has yet to meet with full IAAF approval. "Doubting Toms," of course, will also point out that the race was electrically timed at "only" 9.39 a rather disquieting point which makes one all the more pleased that at the Tokyo Olympics next year times electrically recorded will be officially consulted.

As this article went to press the "Florida Flash" had just outclassed the leading Russian sprinters in winning the 100 meters at the USA v USSR match in Moscow to hammer home once again one fact which few can now deny - that he is currently the fastest man on the face of the earth. Here, to sum up in figures, is how he compares with past and present rivals when their top authentic marks over 100 yards and 100 meters are analysed:-

	Hayes (USA)	Hary (Germany)	Budd (USA)	Jerome (Canada)	Morrow (USA)	Sime (USA)
100Y.	9.1	1	0	0	0	0
	9.2	1	0	1	2	0
	9.3	11	0	6	5	1
100M.	10.0	0	1	0	1	0
	10.1	1	0	0	0	1
	10.2	4	9	1	0	7
	18	10	8	8	8	7

## Cross Country Results

**WESTERN KENTUCKY 18, FLORIDA 40, Gainesville, Fla., Sept. 20:** (2 miles) 1. Beazley (WK) 10:03.8 (new course record); 2. Graham (WK) 10:04.0; 3. Mahurin (WK); 4. Oliver (WK); 5. Goodyear (F).

**SPAAAU, Walnut, Calif., Sept. 21:** (3.75 miles) 1. Conley (San Diego SC) 18:34.6; 2. Tyler (LATC) 19:03; 3. Marin (SoCal) 19:06; 4. Duarte (Long Beach St) 19:17.0; 5. Lacy (Long Beach St) 19:20.0. **Team Scores:** Long Beach State 50; 2. Culver City AC 53; 3. Southern California 56; 4. San Diego State 57; 5. Biola 126.

**VANCOUVER OLYMPIC CLUB 18, U. OF BRITISH COLUMBIA, Vancouver, Sept. 21:** (3.675 miles) 1. Hampton (VO) 19:20.5; 2. Trethewey (VO) 19:40.2; 3. Constable (BC) 19:46.0; 4. Bertoia (VO) 19:56; 5. Tighe (VO) 19:58.

**MIAMI 17, NORTHERN 39; MIAMI 15, LOYOLA 49; NORTHERN 15; LOYOLA 49, De Kalb, Illinois, Sept. 21:** (3 miles) 1. tie

between Bachelor (M) and Schramm (M) 15:03.0; 3. Waterman (M) 15:06; 4. Bartel (M) 15:14; 5. Ristau (N) 15:26.

**ARMY 28, PROVIDENCE 29, FAIRLEIGH DICKINSON 80,**  
West Point, Sept. 27: (5 miles) 1. Straub (A) 27:40; 2. Brown (P) 27:50; 3. Shanahan (P) 27:58; 4. Berry (A) 28:02; 5. Fusco (P) 28:03.  
**VANCOUVER OLYMPIC CLUB 24, VANCOUVER OPTIMIST STRIDERS 28, U. OF BRITISH COLUMBIA 61,** Vancouver, Sept. 28: (3.675 miles) 1. Hampton (VO) 18:57.2; 2. Harrison (OS) 19:19; 3. Freeman (VO) 19:20; 4. Dzurzynski (OS) 19:31; 5. Trethewey (VO) 19:38.

**LONG BEACH INVITATIONAL, UNIVERSITY DIVISION,**  
Long Beach, Sept. 28: (3.5 miles) 1. Murphy (SanJose) 17:20; 2. Conlay (SanDiego) 17:30; 3. Fishback (SanJose) 17:44; 4. Dent (Camp Pendleton) 17:51; 5. Jones (CalWestern) 17:57; 6. Gerule (SanJose) 18:01; 7. Fernandez (SanJose) 18:02; 8. Duarte (LongBeach) 18:08; 9. Condit (CalWestern) 18:16; 10. Tuite (SanJose) 18:21. **Team Scores:** 1. San Jose State 27, 2. Long Beach State 83; 3. San Diego State 85; 4. Camp Pendleton 144; 5. Southern California 149.

**LONG BEACH INVITATIONAL, FROSH, JC DIVISION,** Long Beach, Sept. 28: (3.5 miles) 1. Jenkins (SanDiegoCC) 18:01; 2. Cooley (Pierce) 18:34; 3. Johnson (Grossmont) 18:44; 4. Keith (Santa Ana) 18:52; 5. Kennedy (Pierce). **Team Scores:** 1. Pierce 44; 2. Santa Ana 78; 3. Cerritos 87; 4. Grossmont 94; 5. El Camino 100.  
**OHIO UNIVERSITY 16, PITTSBURGH 48, KENT STATE 79,** Athens, Sept. 28: (4 miles) 1. Heller (O) 20:37.4; 2. Banton (O) 20:49.0; 3. Smith (O) 21:13.5; 4. Alderfer (O) 21:29.0; 5. Bailey (P) 21:31.0.

**AIR FORCE 28, WESTERN MICHIGAN 28,** Air Force, Sept. 28: (4 miles) 1. Murphy (AF) 21:14.7; 2. Smith (WM) 22:09; 3. Hall (AF) 22:20; 4. Browne (WM) 22:25; 5. Overall (AF) 22:29.

**MIAMI 21, BOWLING GREEN 34; MIAMI 16, KENTUCKY 44;**  
**BOWLING GREEN 16, KENTUCKY 46,** Bowling Green, O., Sept. 28: 1. Schramm (M) 14:39.3 (new course record); 2. Bachelor (M) 14:54; 3. Bartel (M) 15:05; 4. Cordova (BG) 15:23; 5. Strominger (BG) 15:30.

**CORNELL 20, COLGATE 39,** Ithaca, NY, Sept. 28 (5.06)  
1. Byard (Cor) 26:42.5; 2. Machooka (Cor) 27:18; 3. Cunningham (Cor) 27:19.7; 4. Williamson (Col) 28:10.5; 5. Small (Col) 28:27.6.  
**MINNESOTA 27, DRAKE 28,** Des Moines, Sept. 28: (4 miles)  
1. tie between Day (M) and Peterson (M) 24:02; 3. Riepe (D) 24:21.5; 4. Henderson (D) (yeah!) 24:36; 5. Prichard (D) 24:45.

**HOUSTON 18, LAMAR TECH 49, TEXAS A&M 54,** Houston, Oct. 2: (2 miles) 1. Elliott (H) 9:04; 2. Walker (H) 9:06; 3. Bilguyat (TA&M) 9:22; 4. Levy (H) 9:24; 5. Baron (H) 9:28.

**LEWIS AND CLARK 28, WILLAMETTE 30,** Salem, Oregon, Oct. 5: (3.3 miles) 1. Miller (LC) 17:18.5 (new course record); 2. Buell (LC) 18:06; 3. Mauer (LC) 18:07; 4. Ladum (W) 18:08; 5. Thompson (W) 18:26.

**WESTMONT 23, REDLANDS 35; WESTMONT 16, WHITTIER 46,** (3 miles) 1. Wiebe (West) 16:52.3; 2. Kennedy (R) 17:11; 3. Montrucchio (West) 17:24; 4. Lawrence (West) 17:25; 5. Goyette (R) 17:30.

## Charlie Moore - Undefeated in 400 IH

by Humphrey Long

Charlie Moore is one of the few men in history to go through his career undefeated in his specialty. Even Herb Elliott and Hal Davis suffered lone defeats in their particular events. In this respect I think it is worth recording the career win-streak of Charlie Moore in the intermediate hurdles.

1949	52.1	1st	Penn Relays
	54.7	1st	AAU heats
	51.1	1st	AAU final (record)
1950	51.5	1st	Penn Relays
	53.8	1st	AAU heat
	53.6	1st	AAU final
1951	51.8	1st	Penn Relays
	52.3	1st	AAU heat
	51.4	1st	AAU final
1952	50.9	1st	Coliseum Relays
	52.0y	1st	Metropolitan AAU
	52.5	1st	AAU heat
	51.2	1st	AAU final
	52.0	1st	Olympic Trials heat
	50.7	1st	Olympic Trials final
	51.8	1st	Olympic Games heat
	50.8	1st	Olympic Games heat (record)
	52.0	1st	Olympic Games semi-final
	50.8	1st	Olympic Games final (record)
	51.2	1st	Stockholm
	50.8	1st	Gavle
	51.9y	1st	vs. British Empire
	51.6y	1st	British Games (world record)

## Harriers on the Go Again

(Ed: A detailed preview of the leading cross country teams will appear in the October T&FN. Dual meet results will be printed exclusively in the Newsletter this year.)

The 1964 cross country season is three weeks old. And already the regular mainstays are proving themselves again.

Defending national collegiate champions San Jose State beat most of the strong teams in Southern California in the Long Beach Invitational. Leading the Northern California group were Danny Murphy and Jeff Fishback.

Houston continued its eight year old unbeaten string over Texas schools as it whalloped both Lamar Tech and Texas A&M.

Newcomer Western Kentucky is flexing its muscles as are Miami (Ohio) and Ohio University among the small schools in the Midwest.

Western Michigan had a close call with the Air Force, as the former school could draw only a 28-28 tie.

## Stuber Finally Makes 7'0"

Paul Stuber high jumped 5'8" in his first year of competition-- at the age of 14. Two years later he cleared 6'9" to establish a new international age 16 mark and the junior class prep record, both of which he still holds. But it took him four years before he could match that mark again; he did 6'10" as a sophomore at Cerritos JC in 1962. He transferred to Oregon this year and cleared 7'0" for second place in the AAU finals. But in 1958 when he was the prep sensation at Bellflower (Calif.) he was also runner-up in the national championships, which earned him his first international trip.

Born July 21, 1941 in Santa Monica, California, Paul Joseph Stuber is 6'3", 190 pounds, and has blonde hair and blue eyes. He is a senior at Oregon, where he majoring in history. He is married and has one son.

Progression:

Year	Age	Grade	HJ
1956	14	9	5'8"
1957	15	10	6'3 $\frac{3}{4}$ "
1958	16	11	6'9"
1959	17	12	6'8 $\frac{1}{2}$ "
1960	18	Fr	6'8 $\frac{3}{4}$ "
1961	19	unat	6'6"
1962	20	So	6'10"
1963	21	Jr	7'0"

Paul trains 1 1/2 months a year, seven days a week, does overall weight training, and has an eight phase training schedule, including 1) jumping over bar, 2) exercises which imitate jumping movement, 3) weight training, 4) sprinting, 5) long distance running, 6) stretching, 7) jogging, 8) recreation or other events.

## Cortright Finds His Event

Steve Cortright improved six-tenths of a second in the high hurdles between the end of his sophomore year and junior year at Stanford but failed to better his triple jump mark of 49'1 $\frac{1}{2}$ " which earned him fifth place in the 1962 NCAA finals. This year he failed to place in the pit event during the collegiate championships but took second in the highs following a career best of 13.8 in a heat. The following week he ran sixth in the AAU finals, beating all other collegians. He toured Europe this summer with two of his Stanford teammates.

Born March 18, 1942 in Detroit, Steven Michael Cortright is 6'0", 160 pounds, and has blonde hair and blue eyes. He is a senior at Stanford, majoring in pre-med with designs upon becoming an orthopedic surgeon specializing in athletic injuries. He has maintained a 3.1 gpa and hopes to graduate with distinction.

Progression:

Year	Grade	Age	HJ	TJ	HH	LH
1955	7	12	4'6"			
1956	8	13	4'10"			
1957	9	14	5'6"			
1958	10	15	5'10"		9.3 (70)	14.1 (120)
1959	11	16			8.9 (70)	13.4 (120)
1960	12	17	6'3"	45'10"	14.0 (HS)	18.9 (180)
1961	Fr	18			14.7	23.9
1962	So	19		49'1 $\frac{1}{2}$ "	14.4	23.7
1963	Jr	20		48'6 $\frac{3}{4}$ "	13.8	52.4 (IH)

Steve suggests that young athletes should "never practice hurdle form or technique at any pace other than full speed. I've seen so many young hurdlers who are great five steppers in the warm-ups but find the race isn't run like that." He adds, "In college many new events open up. So if you haven't found one don't be discouraged. It took me four years to find my strongest event, six years for my next strongest."

# International Age List

by Hugh Gardner

## ONE MILE

14	4:31.4	Ed Kar (USA) 5/31/48	Glenview	5/24/63
15	4:17.5n	Bruce Bess (USA) 9/4/44	Stanford	6/ 4/60
16	4:07.8n	Jim Rynn (USA) 4/29/47	Houston	6/ 8/63
17	4:07.5n	Dave Bailey (Can) 3/17/45	Toronto	7/21/62
18	4:01.4	Bruce Kidd (Can) 7/26/43	Toronto	7/21/62
19	3:58.6	Dyrol Burleson (USA) 4/27/40	Eugene	4/23/60
20	3:54.5	Herb Elliott (Aus) 2/25/38	Dublin	8/ 6/58
21	3:57.6	Burleson	Eugene	5/24/61
22	3:57.0	Elliott	Dublin	9/23/60
23	3:54.4	Peter Snell (NZ) 12/17/38	Wanganui	1/27/62
24	3:54.9	Snell	Modesto	5/25/63
25	3:56.7n	Jim Grelle (USA) 9/30/36	London	8/18/62
26	3:56.1n	Grelle	Toronto	6/25/63
27	3:56.3	Jim Beatty (USA) 10/28/34	Helsinki	8/21/62
28	3:55.5n	Beatty	Compton	6/ 7/63
29	3:59.9n	Gordon Pirie (GB) 2/10/31	Dublin	9/23/60
30	4:00.3	Michel Bernard (France) 12/21/31	Oignies	9/20/62
31	3:58.2	Bernard	Cambrai	7/ 8/63
32	4:05.7n	Gaston Reiff (Bel) 2/24/21	Compton	6/ 5/53

## 2000 METERS

20	5:15.8	Peter Snell (NZ) 12/17/38	Auckland	1/26/59
21	5:12.2	Klaus Richtenzhain (Ger) 11/1/34	Berlin	6/30/56
22	5:08.4	Jonas Pipyne (SU) 11/30/35	Vilnius	9/ 5/58
23	5:03.6	Witold Baran (Pol) 11/29/39		/ /63
24	5:03.0n	Laszlo Tabori (Hun) 7/6/31	Budapest	10/ 2/55
25	5:08.8	Istvan Rozsavolgyi (Hun) 3/30/29	Budapest	5/28/55
26	5:01.5	Michel Jazy (France) 6/13/36	Paris	6/14/62
27	5:06.9	Gaston Reiff (Bel) 2/24/21	Brussels	9/29/48
28	5:11.4n	Gordon Pirie (GB) 2/10/31	Uddevalla	9/11/59
29	5:04.0	Michel Bernard (France) 12/21/31	Avranches	8/26/61
30	5:08.8	Rozsavolgyi	Budapest	8/30/59
31	5:03.8	Bernard		/ /63
33	5:14.8n	Miklos Szabo (Hun) 12/22/28	Budapest	6/ 3/62

## 3000 METERS

17	8:33.6	Ron Vagg (Aus) 2/2/40	Sydney	11/10/57
19	8:03.0n	Peter Hellmich (CSR) 12/25/39	Stara Bol.	10/15/59
20*	8:05.8n	Bela Szekeres (Hun) 1/11/38	Budapest	8/ 6/58
21	8:08.0	Kazimierz Zimny (Pol) 6/4/35	Gdansk	9/16/56
22	7:59.0n	Zimny	Warsaw	6/ 9/57
23	7:55.4n	Witold Baran (Pol) 11/29/39	Bydgoszcz	6/16/63
24	7:54.2	Hans Grodowski (Ger) 4/4/36	Potsdam	7/30/60
25	7:52.8	Gordon Pirie (GB) 2/10/31	Malmo	9/ 4/56
26	7:49.2	Michel Jazy (France) 6/13/36	St. Maur	6/27/62
27	7:53.4n	Istvan Rozsavolgyi (Hun) 3/30/29	Malmo	9/ 4/56
28	7:56.4n	Zimny	Bydgoszcz	6/16/63
29	7:57.2	Pirie	London	6/ 6/60
30	7:51.2	Siegfried Herrmann (Ger) 11/7/32	Bydgoszcz	6/16/63
31	7:57.4n	Rozsavolgyi	London	6/ 6/60
32	8:00.4n	Zdislaw Krzyszkowiak (Pol) 8/3/23	Warsaw	6/17/62
33	8:00.4n	Sandor Iharos (Hun) 3/10/30	Budapest	5/29/63
34	8:06.6	Sandor Garay (Hun) 2/4/20	Tata	6/26/54

## 2 MILES

15	9:21.3n	Mike Ryan (USA) 1/8/47	Stanford	11/ 3/62
16	9:09.3	Rex Maddaford (NZ) 3/9/47	Auckland	3/18/63
17	8:46.4	Bruce Kidd (Can) 7/26/43	Toronto	7/ 1/61
18	8:41.9	Kidd	Modesto	5/26/62
19	8:44.9	Geoff Pyne (NZ) 3/2/43	Dunedin	2/ 2/63
20	8:37.6n	Herb Elliott (Aus) 2/25/38	Dublin	8/ 7/58
21	8:42.5	Dyrol Burleson (USA) 4/27/40	Eugene	4/ 7/62
22	8:40.6	Witold Baran (Pol) 11/29/39	London	9/28/62
23	8:32.0	Albie Thomas (Aus) 2/8/35	Dublin	8/ 7/58
24	8:34.8n	Ken Wood (GB) 11/21/30	London	5/30/55
25	8:33.0	Murray Halberg (NZ) 7/7/33	London	9/ 3/58
26	8:29.6	Michel Jazy (France) 6/13/36	Paris	6/ 6/63
27	8:29.8	Jim Beatty (USA) 10/28/34	L. A.	6/ 6/62
28	8:30.0	Halberg	Jyvaskyla	7/ 7/61
29	8:37.3	Michel Bernard (France) 12/21/31	Douai	9/ 9/61
30	8:36.4n	Ken Wood (GB) 11/21/30	London	5/22/61
31	8:34.8	Bernard	Cambrai	8/31/63
32	8:53.0n	Dave Power (Aus) 7/14/28	Sydney	7/16/60
33	8:38.5n	Power	Hamilton	1/24/62
34	8:59.5	Paavo Nurmi (Fin) 6/13/97	Helsinki	7/24/31

## 3 MILES

15	14:26.0	Bruce Kidd (Can) 7/26/43	Toronto	5/27/59
16	14:07.6	Kidd	Toronto	5/ 4/60
17	13:26.6	Kidd	Compton	6/ 2/61
18	13:17.0n	Kidd	London	7/14/62
19	13:27.8*	Kidd	Compton	6/ 7/63
20	13:34.8	Roger Dunkley (GB) 11/20/35	Glasgow	6/ 9/56
21	13:35.7*	Max Truex (USA) 11/4/35	Compton	5/31/57
22	13:22.4	Stanley Eldon (GB) 5/1/36	London	7/12/58
23	13:10.8	Albie Thomas (Aus) 2/8/35	Dublin	7/ 9/58
24	13:15.6	Kazimierz Zimny (Pol) 6/4/35	London	8/14/59
25	13:12.0	Bruce Tulloh (GB) 9/29/35	Southampton	8/17/61
26	13:11.4	Murray Halberg (NZ) 7/7/33	Auckland	2/13/60
27	13:11.2n*	Barry Magee (NZ) 2/6/34	Stockholm	7/25/61
28	13:10.0*	Halberg	Stockholm	7/25/61
29	13:15.5	Halberg	Manurewa	1/17/63
30	13:16.4	Gordon Pirie (GB) 2/10/31	London	7/21/61
31	13:32.8n	Dave Power (Aus) 7/14/28	Sydney	2/10/60
32	13:27.0*	Pyotr Bolotnikov (SU) 3/8/30	Stanford	7/22/62
33	13:24.0n	Power	Dublin	7/18/61
36	13:45.6*	Alain Mimoun (France) 1/21/21	Lappeenra.	8/11/57
37	13:36.2n	Fred Norris (GB) 9/4/21	Darlington	6/22/59
39	13:38.5	Norris	New Orlns	1/ 1/60

\* Indicates 3-mile time during 5,000-meter race.

## 5000 METERS

16	14:29.9	Bruce Kidd (Can) 7/26/43	Saskatoon	7/16/60
17	13:56.4	Kidd	Compton	6/ 2/61
18	13:43.8	Kidd	Compton	6/ 2/62
19	14:00.0n	Kidd	Compton	6/ 7/63
20	14:03.5	Dale Story (USA) 2/13/42	Fresno	5/12/62
21	13:57.8	Miroslav Jurek (CSR) 10/28/35	Moscow	8/ 4/57
22	13:52.2	Jurek	Goteborg	8/28/58
23	13:47.8	Stanley Eldon (GB) 5/1/36	Turku	9/15/59
24	13:39.2n	Barry Magee (NZ) 2/6/34	Stockholm	7/25/61
25	13:36.8	Gordon Pirie (GB) 2/10/31	Bergen	6/19/56
26	13:45.6	Kazimierz Zimny (Pol) 6/4/35	Solingen	7/ 6/61
		n Gaston Roelants (Bel) 2/5/57	Brussels	9/ 9/63
27	13:39.2n	Magee	Stockholm	7/25/61
28	13:35.2	Murray Halberg (NZ) 7/7/33	Stockholm	7/25/61
29	13:39.6n	Vladimir Kuts (SU) 2/7/27	Bergen	6/19/56
		Kuts	Melbourne	11/28/56
30	13:35.0	Kuts	Rome	10/13/57
31	13:50.1	Michel Bernard (France) 12/21/31	Brussels	9/ 9/63
32	13:50.6	Pyotr Bolotnikov (SU) 3/8/30	Helsinki	7/31/62
33	13:47.6	Jozsef Kovacs (Hun) 3/3/26	Budapest	8/21/59
34	14:02.8n	Kovacs	Budapest	6/25/60
35	14:23.4	Alain Mimoun (France) 1/21/21	Turku	7/17/56
36	14:10.6	Mimoun	Lappeenra.	8/11/57
37	14:16.4n	Mimoun	Helsinki	6/11/58
38	14:19.8n	Mimoun	Wuppertal	9/ 9/59
39	14:26.3	Fred Norris (GB) 9/4/21	New Orlns	1/ 1/61

## 6 MILES

15	32:52.0*	Andy Vollmer (USA) 8/9/47	San Jose	8/ 7/63
16	31:15.4	Tony Harper (GB) 2/1/42	Tooting	9/15/58
17	32:31.4	Jeff Galloway (USA) 7/12/45	Atlanta	4/ 4/63
18	28:23.2	Bruce Kidd (Canada) 7/26/43	Walnut	6/22/62
19	28:09.4	Kidd	East York	8/ 4/62
20	28:53.0n	Stanley Eldon (GB) 5/1/36	London	4/27/57
21	28:28.6*	Albie Thomas (Aus) 2/8/35	Sydney	9/ 1/56
22	27:56.6n	Mel Batty (GB) 4/9/40	London	7/13/62
23	28:12.4	Eldon	London	7/10/59
24	27:49.8	Ron Hill (GB) 9/25/38	London	7/12/63
25	28:00.8n	Buddy Edelen (USA) 9/22/37	London	7/12/63
26	27:43.8*	Sandor Iharos (Hun) 3/10/30	Budapest	7/15/56
27	27:54.0	Dave Stephens (Aus) 11/11/28	Melbourne	1/25/56
28	27:49.8	Roy Fowler (GB) 3/26/34	London	7/13/62
		n Mike Bullivent (GB) 3/1/34	London	7/13/62
29	27:52.0n	Martin Hyman (GB) 7/3/33	London	7/13/62
30	27:54.2n	Jim Hogan (Ire) 5/28/33	London	7/12/63
31	27:52.8	Dave Power (Aus) 7/14/28	Sydney	1/19/60
32	28:27.6	Alain Mimoun (France) 1/21/21	London	8/ 3/53
33	27:57.8n	Power	London	7/14/61
34	28:21.3	Peter McArdle (USA) 3/22/29	NYC	6/15/63
35	28:19.0n*	Mimoun	Warsaw	9/ 9/56
36	28:31.2	Fred Norris (GB) 9/4/21	Keighley	6/ 7/58
37	28:42.0n	Norris	London	5/18/59
38	28:46.2	Norris	London	6/ 6/60

\* indicates mark made during a 10-km race.

# History of Pole Vault

by Ray Kring

Track Coach, Pittsburg (California) High School  
Part XIV

The year 1937 produced an onslaught on the pole vault record that the world had not seen since the days of Gilbert and Dray, 29 years before. The "Heavenly Twins", Meadows and Sefton broke the accepted world record six times before the track and field campaign of 1937 ended. Sefton started the record breaking by scaling 14'7<sup>3</sup>/<sub>8</sub>" in a dual meet in Los Angeles. This shattered George Varoff's mark of 14'6<sup>1</sup>/<sub>2</sub>" set the year before. There was so much time consumed in remeasuring and congratulating that by the time Meadows was allowed to vault he was cooled off and no chance to clear the height. Shortly thereafter, at a dual meet with Stanford at Palo Alto, Sefton again broke Varoff's official world record and his own unofficial mark, by clearing 14'8<sup>1</sup>/<sub>2</sub>". This time officials saw to it that Meadows received his chance at the height. The other half of the "Heavenly Twins" sped down the runway, sailed up and over the height, brushing the bar with his elbow. The crossbar danced on the pegs, but did not fall off, and as Meadows descended into the pit below he had a share of the new world record.

At the NCAA championships that year, Sefton again broke the official world record with a leap of 14'8<sup>3</sup>/<sub>8</sub>" on May 29, at the Pacific Coast Conference Championships in Los Angeles, Sefton and Meadows each cleared 14'11". Some people truly believed he would never be beaten. Both vaulters declined to try higher, either because the standards would not go higher, or they were content that the world record should be shared by them as USC teammates.

However, it is of interest to note here that at the PCC versus the Big 10 meet in Los Angeles on June 26, Meadows and Sefton won the pole vault at 14'6" and then tried 15'1", the first time that 15' had ever been attempted in a track and field meet.

During the National AAU Senior Outdoor Championships in Milwaukee, on July 3, the greatest tie in pole vault history, up to that time, took place. Sefton and Meadows, representing the Warmerdam and Varoff, vaulting for the San Francisco Olympic Club, each cleared 14'7<sup>5</sup>/<sub>8</sub>". At no time before had that many men vaulted so high.

Other good marks of 1937, although completely overshadowed by the tremendous performances of Meadows and Sefton, were turned in by Jack Mauger of the University of California and the San Francisco Olympic Club. Mauger, a left handed vaulter, had a best mark of 14'4" in winning at Palo Alto on May 22. It was the highest height reconcondoned to that date for a southpaw pole vaulter. Sueo Oye of Japan sailed 14'3<sup>3</sup>/<sub>8</sub>".

An interesting story was told the author by Shuhie Nishida, the Japanese Olympian, concerning Oye. During the United States' reentry onto Bataan in the Second World War, the Japanese troops that held the island were in fast retreat under the big guns of the U.S. troops. The Japanese commanding officers told their soldiers to throw everything away and travel as light as possible. Oye was killed in that battle, and when his body was found, the only personal possession he thought enough of to keep in his knap sack were his old, worn track shoes.

Also during 1937, former world record holder Kieth Brown of the New York A.C., had a best vault of 14feet, while Kiyoshi

Adachi of Japan, was clearing 13'11<sup>3</sup>/<sub>8</sub>", and Nikoly Ozolin of Russia became the first great vaulter from that country when he cleared 13'11<sup>3</sup>/<sub>4</sub>".

Although Meadows and Sefton had both graduated from USC the previous spring, the Trojans were still able to produce the top vaulter of the world again in 1938. He was a tall, pink-cheeked, piano-playing senior named Loring Day, the son of a Monrovia, Calif., dentist. And on April 23, during a dual meet with UCLA in Los Angeles, Day recorded the fifth highest vault of all time, up to that date, 14'7". He was also winner of the annual NCAA meet with a vault of 14'2".

The second best vaults in the world during the track and field season of 1938 were registered by Cornelius "Dutch" Warmerdam and world record sharer Meadows, each with a leap of 14'6". Warmerdam was AAU champion with a 14'5<sup>1</sup>/<sub>2</sub>" vault at Buffalo, N.Y. The first 14 foot Russian vaulter was unvieled that year when Ozolin cleared 14'5<sup>5</sup>/<sub>8</sub>".

Five men cleared 14 feet even in 1938. They were: William Harding of Yale, Ralph Ross of the Military Academy at West Point, Kenny Dills a USC transfer from Modesto, California, Junior College, Richard V. Ganslen of Columbia University, and George Varoff of Oregon, the former world record holder.

The year 1939 found 13 men clearing 14 feet and possessor of the best height in the world for the year, at 14'7", while Warmerdam of the San Francisco Olympic Club had the second best mark at 14'5<sup>1</sup>/<sub>2</sub>". Two college vaulters had the third best heights of 1939. Day from USC, and Ganslen of Columbia, each had best marks of 14'5", with Ganslen winning the NCAA title at the height. The AAU Championships were won by Varoff with a leap of 14'4", and Rod Hansen, a teammate of Varoff's at Oregon, also had a best mark of 14'4" when he tied with Varoff in a dual meet with Portland, at Eugene on April 22.

Robert Cassels of the University of Chicago won the 1939 Big 10 championship with a meet record vault of 14'3<sup>3</sup>/<sub>8</sub>", while Beefus Bryan of the University of Texas, and Milton Padway of the University of Wisconsin, each had best marks of 14'2" to their credit.

The fine Russian vaulter, Ozolin, cleared 4.30 meters, which is 14'1<sup>3</sup>/<sub>4</sub>", at Moscow on July 31, for a new USSR record.

Also two world indoor records were set that year in the pole vault. Warmerdam cleared 14'6<sup>3</sup>/<sub>8</sub>" for a new world indoor record on a board runway, and Meadows leaped 14'6<sup>1</sup>/<sub>4</sub>" for a new world indoor record on a dirt runway.

This is the end of the 14 foot era of the pole vault. It had just been a short 12 before that Sabin Carr punctured the 14 foot ceiling. And many people thought that was a high as an athlete could go, propelled by the aid of a skinny bamboo pole. However, year by year we have seen the record climb skyward. It took 12 years to cover 11 inches, and finally Meadows and Sefton, at 14'11", had stopped just short of a new number to pole vault historians, 15 feet. Would anyone ever clear that unheard of height? The year 1940 was to give the answer.

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There were a number of Monday-morning-quarterbacks who wrote to tell us that last issue's sequence of javelin thrower Janis Lulis was out of order. But many of them were also incorrect. For those who insist upon organization the series would be viewed from left to right, top to bottom in this order: a--1; b--4; c--3; d--4; e--5; f--6.  
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## All-Time Collegiate Relay Performances

### 440-YARD RELAY

39.6	Texas 59	1:23.5	Oklahoma State 58
39.7	Abilene Christian 58	1:23.6	Texas 57
n	San Jose State 59		Southern California 61
39.8n	Abilene Christian 59		Texas Southern 61
39.9	Texas 57		n Abilene Christian 61
	Abilene Christian 57		Abilene Christian 62
40.0	Texas 57		
	Texas 57		
	Florida A&M 61		
	Oregon 62		

### 880-YARD RELAY

1:22.6	Abilene Christian 58	3:04.5	Arizona State 63
	Abilene Christian 61	3:05.2	Arizona State 63
1:22.7	Texas 57	3:05.3	Arizona State 63
1:22.9	Oklahoma State 58	3:05.7	Arizona State 62
	Arizona State 63	3:05.9	Arizona State 63
1:23.2	San Jose State 59	3:06.1	Arizona State 62
1:23.3n	Texas 59	3:06.3	Arizona State 62
1:23.4	Florida A&M 62	3:06.4	Arizona State 62
		3:06.7	Arizona State 63
		3:07.2	Arizona State 63

### MILE-RELAY

7:20.6	Southern California 62
7:20.9	California 58
7:21.4n	Michigan State 58
7:21.6	Occidental 63
7:22.1n	Texas Southern 63
7:22.2n	San Jose State 63
7:22.3n	Southern Illinois 62
7:22.5n	Kansas 62

3:17.8	Illinois 59
3:18.0	Southern California 63
3:18.4	Oregon State 61
3:18.7	Southern Illinois 63
3:18.8	California 58
3:19.0n	Texas Southern 61
	Missouri 62
3:19.1n	Kansas 59
	n Missouri 63
	<u>DISTANCE MEDLEY RELAY</u>
9:36.2	Oregon 62
9:40.6n	Stanford 60
	Oregon 61
9:40.8	Oregon State 63
9:41.1	Southern Illinois 62
9:42.3n	California 57
9:44.3n	San Jose State 63
9:45.1n	Southern California 63
9:46.4	Kansas 62
9:47.2	Stanford 62
	San Jose State 62

### FOUR-MILE RELAY

16:08.9	Oregon 62
16:29.3	Oregon 61
16:32.8	Oregon 61
16:33.7n	Southern Illinois 61
16:42.7	Fordnam 63
16:43.4	Stanford 63
16:46.0n	Georgetown 63
16:47.5n	Villanova 63
	n Seton Hall 63
16:47.7n	Waste n Michigan 63

### SPRINT MEDLEY RELAY

3:17.7n	Oregon State 62
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JENS REIMERS stands sixth in the world this year in the discus with a mark of 193'8", a German record.



PETER KUBICKI won the West German 10,000 title last year. This year, his 29:22.8 ranks him 10th in the world.



For the most part ALFRI leading sprinter this year

# West



MANFRED KINDER has been second in the last four national German 400 meter finals. His fastest mark this year is 46.2.



FERDINAND HAAS has run the 400 intermediate hurdles in 50.0 this year, to rank third in the world.



WOLFGANG KLEIN is c with a mark of 25'7½".

All pictures were ta correspondent Knut



AUF has been Germany's  
ests of 10.3 and 20.8.

ROLF HERINGS competed in the U.S. AAU javelin finals  
this year and placed fifth with a mark of 238'4".

CARL KAUFMAN, who barely lost to Otis Davis in the 400  
during the 1960 Olympics, has yet to dip under 47.0 this year.

# Germany



rope's leading broad jumpers

JORG NEUMANN is Germany's third top intermediate  
hurdler with a best time of 51.6.

HERMANN SALOMON has gradually been improving in the  
javelin and has a life-time best this season of 269'7½".

&FN European photo  
holm of Oslo, Norway.

# ALL-TIME COLLEGIATE TRACK AND FIELD PERFORMANCES

by James Powell

This is the first time a collegiate performance list has been attempted. The standards by which the all-time performers list was compiled are also in effect for this list. (See last issue.)

## 100-YARD DASH

9.1	Hayes (FlaA&M) 63
9.2	Budd (Villanova) 61
	Hayes 62
	Jerome (Oregon) 62
	Jerome 62
9.3	(45 times by 19 men)

## 220-YARD DASH

20.0	Sime (Duke) 56
	Budd (Villanova) 62
20.1	Agostini (FresSt) 56
	Sime 56
	Hayes (FlaA&M) 61
	Carr (ArizonaSt) 62
n	Drayton (Villanova) 62
20.2	Patton (SoCal) 49
	Sime 56
	Norton (SanJose) 59
	Budd 61
	Styron (SoIll) 61
	Harvey (IdahoSt) 63

## 440-YARD DASH

44.9	Plummer (NewMex) 63
45.6n	Williams (ArizSt) 63
	Williams 63
	Plummer 63
45.7	G. Davis (OhioSt) 58
45.8	G. Davis 58
	Southern (Texas) 58
	Williams 62
	Williams 62
	Williams 63

## 880-YARD RUN

1:47.2	Bowden (California) 57
1:47.3	Cunliffe (Stanford) 60
1:47.5	Carroll (Villanova) 63
n	Groth (OregonSt) 63
1:47.6	Sowell (Pittsburgh) 55
n	Dupree (Soll) 62
1:47.7n	Reilly (Georgetown) 62
1:47.8	Bowden 57
n	Delany (Villanova) 57
	Kerr (Illinois) 59
	Cunliffe 60
n	Tucker (SanJose) 62
	Hogan (SoCal) 63

## MILE RUN

3:56.9n	O'Hara (Loyola) 63
3:57.6	Burleson (Oregon) 61
3:57.9n	Burleson 62
3:58.3	Forman (Oregon) 62
3:58.6	Bailey (Oregon) 56
	Burleson 60
3:58.7	Bowden (California) 57
3:58.8n	Delany (Villanova) 57
	O'Hara 63
3:59.0	Delany (Villanova) 56

## TWO-MILE RUN

8:42.5	Burleson (Oregon) 62
8:45.4	Clark (SanJose) 61
8:46.3	Henderson (ArizSt) 58
n	Turner (So Ill) 63
8:46.9	Story (OregonSt) 61
8:47.1n	Reeve (Oregon) 62
8:47.8n	Clohesy (Houston) 61
	Robinson (SWLa) 63
8:47.9	Henderson 58
8:49.8	Robinson 63

## THREE-MILE RUN

13:35.7*	Turex (SoCal) 57
13:36.2n*	Marin (SoCal) 63
13:37.1	Henderson (ArizSt) 58
13:37.5*	Story (OreSt) 62
13:37.8n	Keefe (CentConnSt) 63

(\*during 5000m race)

## SIX-MILE RUN

28:35.8*	Lawrence (Houston) 60
29:05.2n	Sloan (EmporiaSt) 62
29:19.3*	Lawrence 60
29:20.5n	Moore (ACC) 62
29:24.2n	Walker (Houston) 62
	(*during 10,000m race)

## 120-YARD HIGH HURDLES

13.3	Tarr (Oregon) 62
13.4n	Gilbert (Winston-Sal) 57
13.5	Attlesey (SoCal) 50
n	Calhoun (NCarCol) 56
n	Calhoun 57
13.6	Dillard (Baldwin-Wal) 48
n	Calhoun 57
n	Gilbert 57
n	Calhoun 57
	Gilbert 58
	Jones (EMichigan) 59
	Jones 59
	Tarr 62
	Tarr 62

## 330-YARD HURDLES

36.2	Miller (Colorado) 63
36.5	Andrews (LBSt) 63
	Cawley (So Cal) 63
	Miller 63
36.6	Miller 63

## 440-YARD HURDLES

49.6	Cawley (SoCal) 63
50.1n	Howard (NewMexico) 60
n	Styron (NELa) 60
50.3	Tarry (Oregon) 62
n	Whitney (Occidental) 63
50.4	Styron (SoIll) 61
50.5n	Allen (WashingtonSt) 63
50.6n	Cawley 62
50.8	Farmer (Occidental) 61
	Cawley 63
	Cawley 63
n	Miller (Colorado) 63

## 100-METER DASH

10.0	Jerome (Oregon) 60
10.1	King (California) 56
	King 56
	Norton (SanJoseSt) 59
	Tidwell (Kansas) 60
	Hayes (FlaA&M) 62
10.2	(21 times by 13 men)

## 200-METER DASH

20.2*	Carr (ArizSt) 63
20.3*	Carr 63
20.4*	Hayes (FlaA&M) 63
*	Carr 63
*	Carr 63
20.5*	Stanfield (SetonHall) 51
*	Mashburn (OklaA&M) 56
*	Johnson (Grambling) 60
	Hayes 63
*	Carr 63
*	Plummer (NewMexico) 63
*n	Questad (Stanford) 63
*	Carr 63
	(*220y time less .1)

## 400-METER DASH

45.4	Carr (Arizona St) 63
45.6*	Southern (Texas) 58
45.7	Woods (Colorado) 60
n	Young (ACC) 60
*	Williams (ArizonaSt) 62
45.8	Rhoden (MorganSt) 50
	Williams 63
45.9n	Young 60
46.0n	Woods 60
	Williams 62

(\*made during 440y race)

## 800-METER RUN

1:46.4	Kerr (Illinois) 60
1:46.6*	Cunliffe (Stanford) 60
1:46.7	Sowell (Pittsburgh) 56
1:46.8n	Dupree (Sollinois) 62
1:46.9n	Siebert (California) 60
1:47.0	Dupree 62
1:47.1	Reilly (Georgetown) 62
1:47.3	Bowden (California) 57
n	Dupree 61
1:47.8*	Delany (Villanova) 57
	(*made during 880y race)

## 1500-METER RUN

3:40.9n	Burleson (Oregon) 60
3:41.2	Delany (Villanova) 56
n	Forman (Oregon) 62
3:41.3	Burleson 60
n	O'Hara (Loyola) 63
3:42.2n	Burleson (Oregon) 60
3:42.3*n	Delany 57
3:42.4	Groth (OregonSt) 63
3:42.8*	Santee (Kansas) 54
3:43.2n	Moran (PennSt) 58
	(*made during mile race)

## 3000-METER STEEPLECHASE

8:45.6	Traynor (Villanova) 63
8:47.4n	Jones (Iowa) 56
8:48.6	Traynor 62
8:50.0n	Traynor 62
8:51.2n	Forman (Oregon) 62
8:52.2n	Forman 62
8:52.3n	Oakley (Arkansas) 60
8:53.2n	Zwolak (Villanova) 63
8:53.7n	Fishback (SanJose) 62
8:54.0n	Fishback 63

## 5000-METER RUN

13:59.2n	Keefe (CentConnSt) 63
14:02.4n	Marin (SoCal) 63
14:03.5	Story (Oregon St) 62
14:04.2	Truex (SoCal) 57
14:06.0	Story 62
14:10.0n	Lawrence (Houston) 60
14:11.7n	Murphy (SanJoseSt) 63
14:12.3n	Clohesy (Houston) 62
14:14.5	Truex 57
14:16.0n	Robinson (SWLa) 63

## 10,000-METER RUN

29:28.4n	Keefe (CentConnSt) 63
29:36.5	Lawrence (Houston) 60
29:40.2	Lawrence 60
29:52.8n	Cuddihy (OregonSt) 63
30:11.4	Lawrence 60
30:35.3	Henderson (ArizSt) 60
30:38.1n	Peck (Occidental) 60
30:46.5	Moore (ACC) 62
30:46.8n	Metcalf (OklaSt) 62
30:49.9n	Macy (Houston) 60

## 110-METER HURDLES

13.5	Calhoun (NoCarCol) 56
13.6	Calhoun 56
	Stevens (TennA&I) 57
	Stevens 57
	Gilbert (Winston-Sal) 57
	Jones (EMichigan) 58

## 400-METER HURDLES

49.5	G. Davis (OhioSt) 56
49.7n	Southern (Texas) 56
49.9	Cawley (SoCal) 61
50.1	Southern 56
	G. Davis 56
n	Allen (WashingtonSt) 63
50.3n	Styron (NELa) 60
50.4	Howard (NewMexico) 59
50.5	Lewis (NotreDame) 57
	Cawley 62
n	Cawley 62

## HIGH JUMP

7'3 $\frac{3}{4}$ "	Thomas (BostonU) 60
7'2 $\frac{3}{4}$ "	Thomas 61
7'2"	Thomas 60
	Thomas 60

## POLE VAULT

7'1 $\frac{3}{4}$ "	Thomas 60
7'1 $\frac{1}{2}$ "	Thomas 60
	Thomas 60
	Thomas 60
	Thomas 60

## POLE VAULT

16'8"	Sternberg (Wash) 63
16'7"	Sternberg 63
16'6 $\frac{3}{4}$ "	Pennel (NELA) 63
16'5"	Sternberg 63
16'4 $\frac{3}{4}$ "	Sternberg 63
16'4 $\frac{1}{2}$ "	Pennel 63
16'4"	Pennel 63
	Sternberg 63
	Pennel 63
16'3"	Pennel 63
	Uelses (LaSalle) 63

## BROAD JUMP

27'1 $\frac{1}{2}$ "	Boston (TennA&I) 61
27'1"	Boston 61
26'11 $\frac{1}{4}$ "	Boston 60
26'9"	Boston 60
26'8 $\frac{1}{2}$ "	Owens (OhioSt) 35
26'7 $\frac{3}{4}$ "	Boston 60
26'7"	Bell (Indiana) 57
26'6 $\frac{1}{2}$ "	Bell 56
26'6"	Steele (SanDiegoSt) 47
26'4 $\frac{1}{4}$ "	Boston 60

## TRIPLE JUMP

52'1 $\frac{1}{4}$ "	Sharpe (WChes) 56
52'1 $\frac{1}{2}$ "	Samuels (FoothillJC) 63
51'11"	I. Davis (LaSalle) 56
51'10 $\frac{3}{4}$ "	Samuels 62
51'9 $\frac{1}{4}$ "	Hayes (SoCal) 61
51'8 $\frac{1}{2}$ "	Sharpe 56
51'7 $\frac{3}{4}$ "	Sharpe 57
51'7 $\frac{1}{2}$ "	Smythe (Houston) 58
51'4 $\frac{1}{2}$ "	I. Davis 56

## SHOT PUT

65'10 $\frac{1}{2}$ "	Long (SoCal) 62
65'2 $\frac{3}{4}$ "	Long 62
64'11 $\frac{1}{2}$ "	Long 62
64'11"	Gubner (NYU) 62
64'9 $\frac{1}{2}$ "	Long 62
64'7 $\frac{1}{2}$ "	Long 61
64'7"	Long 62
64'6 $\frac{1}{2}$ "	Long 60
64'3 $\frac{1}{2}$ "	Long 61
64'2 $\frac{3}{4}$ "	Long 61

## DISCUS THROW

193'2"	Weill (Stanford) 63
191'7 $\frac{1}{2}$ "	Weill 62
190'9 $\frac{1}{2}$ "	Passey (UtahSt) 62
190'6 $\frac{1}{2}$ "	Wade (SoCal) 60
190'2 $\frac{1}{2}$ "	Weill 62
190'7 $\frac{1}{2}$ "	Iness (SoCal) 53
189'11"	Weill 62
188'6 $\frac{1}{2}$ "	Weill 62
188'3 $\frac{1}{2}$ "	Cochran (Missouri) 60

## JAVELIN THROW

273'10 $\frac{1}{2}$ "	Alley (Kansas) 60
270'1 $\frac{1}{2}$ "	Alley 59
268'9"	Alley 60
267'3"	Stuart (SoCal) 63
266'6"	Alley 59
263'9 $\frac{1}{2}$ "	Covelli (ArizSt) 63
261'3 $\frac{1}{2}$ "	Sikorsky (SoCal) 62
260'11 $\frac{1}{2}$ "	Stenlund (OregonSt) 63
260'11"	Alley 60
260'7 $\frac{1}{2}$ "	Red (Rice) 63

## HAMMER THROW

211'11"	Lawlor (Boston) 58
209'6 $\frac{1}{2}$ "	Lawlor 60
209'2"	Lawlor 60
208'8 $\frac{1}{2}$ "	Lawlor 59
208'6 $\frac{1}{2}$ "	Lawlor 59
207'5"	Lawlor 59
204'9 $\frac{1}{2}$ "	Lawlor 59
203'0"	Bagdonas (Army) 59
202'9 $\frac{1}{2}$ "	Lawlor 60
202'6"	Lawlor 59