

# TRACK NEWSLETTER

## and TrackStats

### UNITED STATES OUTDOOR RESULTS

SELMA RELAYS, Selma, Ala., April 8—HJ, Curry (Delta St) 6-10.

NAIA DISTRICT 24, Nashville, Tenn., April 26—220(ok), Ellion (Fisk) 20.9.

BROWN-RHODE ISLAND, Providence, R.I., May 2—HT, Furness (RI) 188-2; 2. Luftman (B) 181-10.

HS SECTION, Cary, N.C., May 5—100(w), Ray (Sanderson, Raleigh, NC) 9.4.

TRI, Richmond, Ky., May 6—TJ(nwi), Beckham (Morehead) 50-2.

PRINCETON-COLUMBIA, New York, N.Y., May 10—HT, Greenwood (P) 186-4.

HS DISTRICT, Boise, Idaho, May 11—Sp PV, Richards (P Coast) 17-0.

HS REGIONAL, Greenville, N.C., May 12—100(w), Ray (Sanderson, Raleigh, NC) 9.3.

USTFF EASTERN DECATHLON, Emmitsburg, Md., May 12-13—Harz (Far-Dick) 6932.

MICHIGAN 84-PENN STATE 70, University Park, Pa., May 13—Mile, Pyatt (M-Can) 4:05.3. SP, Adam (M) 60-11¼.

NAIA DISTRICT 2, Monmouth, Ore., May 13—JT, Grant (Ore Tech) 249-6.

QUAD, San Luis Obispo, Calif., May 16—HJ, Murphy (Cal Poly/SLO) 6-10½.

USTFF INTERMOUNTAIN DECATHLON, Logan, Utah, May 18-19—Pihl (BYU-Swe) 6797

CCAA CONFERENCE, Riverside, Calif., May 19—LJ(nwi), Barfield (UC Riverside) 24-11½. ✓

(43) OHIO VALLEY CONFERENCE, Johnson City, Tenn., May 19(a)-20(b)—100(b, nwi), Holloway (E Tenn St) 9.4; 2. Jacobs (Murray St-Antigua) 9.4. 220(b, nwi), Holloway 20.9; 2. Jacobs 21.0. 440(b, nwi), Knox (E Tenn St) 47.1. 3Mile(b), tie, Cusack (E Tenn St-Eire) & E. Leddy (E Tenn St-Eire) 13:31.8. 120HH(b, nwi), Fields (E Tenn St) 14.0. 440IH(b), Maillie (Mid Tenn St) 52.0. LJ(a, nwi), Humphrey (Tenn Tech) 24-8; 2. Haynes (Mid Tenn St) 24-1¼. TJ(b, nwi), Briggs (Wn Ky) 51-6½; 2. McClure (Mid Tenn St) 50-10½; 3. Beckham (Morehead) 50-9½; 4. Goodwin (Wn Ky) 50-5¾. MileR(b), East Tennessee State 3:10.7; 2. Murray State 3:11.7. Teams: Western Kentucky 85½; 2. East Tennessee State 57; 3. Murray State 54; 4. Middle Tennessee State 39.

MID-AMERICAN CONFERENCE, Toledo, Ohio, May 19(a)-20(b)—880(b), Wottle (B Green St) 1:49.9.

Mile(b), Wottle 4:05.6. 6Mile(a), Harris (Wn Mich) 28:43.8; 2. Haviland (Ohio U) 28:44.2. 3000mSt(a), Bayham (Miami/O) 8:55.6. 440IH(b), Fegley (B Green St) 52.0. PV(b), Wallick (Miami/O) 16-7. LJ(a, nwi), Smith (Toledo) 25-6½; 2. Turner (Kent St) 24-10. HT(b), Schoterman (Kent St) 218-5; 2. Accambray (Kent St-Fr) 215-11. JT(b), Dowswell (Ohio U-Can) 256-1. Teams: Bowling Green State 135; 2. Western Michigan 121; 3. Kent State 120; 4. Ohio U 91; 5. Miami/Ohio 62; 6. Toledo 29.

MIDWESTERN CONFERENCE, Muncie, Ind., May 19(a)-20(b)—100(b, ok), Crockett (Sn III) 9.4. 22C ok), Crockett 20.7. 440(b), Ijirigho (Ill St-Nig) 46.7; 2. Erickson (Sn III) 46.8. HJ(b), Bernard (Sn III) 6-11½; 2. Cooksey (Ind St) 6-11½; 3. Hancock (Sn III) 6-10. LJ(b, ok), Hancock 25-¾. TJ(a, ok), Harris (Sn III) 51-8½; 2. Cummins (Ball St) 50-2¾; 3. Robins (Sn III) 49-10¼. SP(a), Bilder (Nn III) 60-7; 2. Tyms (Nn III) 59-7. Teams: Southern Illinois 202; 2. Ball State 147; 3. Illinois State 84; 4. Indiana State 77; 5. Northern Illinois 73.

PACIFIC COAST AA CHAMPIONSHIPS, San Jose, Calif., May 19(a)-20(b)—440IH(b), Ruby (L Beach St) 51.7. PV(b), Smith (L Beach St) 17-0. LJ(b, ok), Metcalf (L Beach St) 25-2¾. SP(b), Born (S Jose St) 59-8. HT(a), Tice (Fres St) 193-3; 2. Lockwood (L Beach St) 178-3. JT(b), Tobin (UCSB) 242-3. Dec(a-b), George (Fres St) 7193 (11.5, 22-5, 39-10½, 6-2½, 50.3, 15.6, 123-11, 14-0, 175-0, 4:31.2); 2. Bajema (S Diego St) 6946; 3. Hanson (UCSB) 6805. 440R(b), Long Beach State 40.8. Teams: Long Beach State 151; 2. San Jose State 86; 3. San Diego State 72; 4. UCSB 57; 5. LA State 50.

NAIA DISTRICT 3, San Diego, Calif., May 19(a)-20(b)—100m(a, ok), Ravelomanantsoa (Westmont-Mal R) 10.4. 200m(b, ok), Ravelomanantsoa 20.6 NR. 1500m(b), Tussing (Westmont) 3:45.4. 10,000m(a), Rude (Oxy) 29:55.4. 400mIH(b), Penner (Fres Pac) 51.8; 2. Hamley (Whittier) 51.8. MileR(b), International U 3:11.5 (Ronner 46.8, Faager 46.8).

NEW ENGLAND CHAMPIONSHIPS, Amherst, Mass., May 20—3000mSt, Zabel (Bost C) 9:03.6; 2. Potter (Dart) 9:04.6; 3. Shirey (Dart) 9:04.8. HT, Bredice (Sn Conn St) 205-3; 2. Luftman (Brown) 182-9.

PHILADELPHIA METS, Philadelphia, Pa., May 20—440IH, Elwell (Temple) 51.7.

MIDWEST CHAMPIONS, Cedar Falls, Iowa, May 20—440, Roloff (Nn Ia) 46.8; 2. Lyles (Lincoln) 46.9.

**BIG 8 CONFERENCE**, Boulder, Colo., May 19(a)-20(b) /a—rain, 70°; attendance 500; b—clear, 80°, attendance 3500; altitude 5400-feet; from George Grenier—100(b, ok), tie, Daniels (Colo-Gha) & D. Williams (Kans St) 9.6. 220(b, ok), Schultz (Okla St) 20.7; 2. Daniels 20.7; 3. Lutz (Kans) 20.8. Heats(a): 1(ok)-1. Levy (Nebr-Jam) 20.8; 2. Bennett (Colo) 20.9; 3. Lutz 21.0; . . . 5. Branch (Colo) 21.2. 11(ok)-1. Schultz 20.4; 2. Daniels 20.7; 3. Scavuzzo 21.0; 4. Merrill (Kans St) 21.0. 440(b), Newsome (Okla) 46.0; 2. Norman (Mo) 46.0; 3. Case (Nebr-Jam) 46.3; 4. Cantrell (Okla) 46.6; 5. Stepp (Kans) 47.1. Heats(a): 1-1. Norman 46.8. 11-1. Priestley (Nebr-Jam) 47.0. 880(b), Hawkins (Nebr) 1:50.0. Mile(b), Howe (Kans St) 4:08.4; 2. Halberstadt (Okla St-S Afr) 4:09.3; 3. McMullen (Mo) 4:10.8. 3Mile(b), Halberstadt 14:09.0; 2. Howe 14:09.0. 120HH(b, w), Robinson (Kans) 13.6; 2. Bolding (Okla St) 13.9. 440IH(b), Bolding 49.8 (=12th performer all-time US one-lap hurdles); 2. Lee (Kans St) 51.0; 3. Bornkessel (Kans) 51.6. Heats(a): 11-1. K. Hardwick (Okla) 51.9.

HJ(b), Schur (Kans) 7-3 (=8th performer all-time US) (flopper); 2. Hansbrough (Mo) 6-10; 3. Stoner (Okla) 6-10. PV(b), McColm (Okla) 16-3; 2. Marrs (Kans St) 16-0; 3. tie, Hatcher (Kans) & Speer (Colo) 16-0; 5. Wedman (Colo) 16-0. LJ(a, w), Adams (Colo-Gha) 25-1; 2. Kinney (Okla) 24-11½; 3. Seay (Kans) 24-8½. TJ(b, ok), Gray (Mo) 50-10¼; 2. Kinney 49-9½. SP(b), Brosius (Kans St) 61-9¼; 2. Frieze (Mo) 60-3½; 3. LeDuc (Kans) 59-5; 4. Guevara (Kans) 58-9. DT(a), Brosius 180-11; 2. Benien (Okla St) 178-11. JT(b), Colson (Kans) 264-0; 2. Morland (Kans St) 245-3. 440R(b), Colorado 39.8 (Branch, Bennett, Brunson, Daniels); 2. Kansas 40.0; 3. Oklahoma State 40.8. MileR(b), Oklahoma 3:09.8 (Cantrell 47.2, Gilham 48.0, Eastin 48.2, Newsome 46.4); 2. Oklahoma State 3:11.0 (Bolding 46.1 [3]); 3. Kansas State 3:11.0; 4. Nebraska 3:11.4. Teams: Kansas 100½; 2. Kansas State 87; 3. Oklahoma State 82½; 4. Colorado 73; 5. Oklahoma 69; 6. Missouri 55; 7. Nebraska 41; 8. Iowa State 18.

**PACIFIC 8 CONFERENCE**, Stanford, Calif., May 19(a)-20(b) /both days patchy clouds with light breezes; -attendance 14,000/-100(b, 0.1), Edmonson (UCLA) 9.4; 2. L. Brown (Sn Cal) 9.5; 3. Hearvey (Ore) 9.5; 4. Deckard (Sn Cal) 9.6; . . . disq—Quarrie (Sn Cal-Jam). Heats(a): 1(ok)-1. Edmonson 9.3; 2. Curl (Stan) 9.4; 3. Deckard 9.4. 11(ok)-1. Quarrie 9.5. 220(b, -7.4), L. Brown 20.8; 2. Edmonson 20.9; 3. Deckard 21.0; 4. B. Brown (UCLA) 21.4; 5. Smith (UCLA) 22.2; 6. Quarrie 29.0 (jog). Heats(a): 1(ok)-1. Quarrie 20.9. 440(b), Garrison (Sn Cal) 45.4; 2. Smith (UCLA) 45.8; 3. Brown (UCLA) 45.9; 4. Buford (Ore) 46.6; 5. Vance (Ore) 47.0; 6. Krzyzosiak (Sn Cal) 47.5. Heats(a): 1-1. Smith 46.7; 2. Buford 47.0. 11-1. Brown 46.9. 880(b), R. Brown (Cal) 1:47.7; 2. Bence (Ore) 1:48.6; 3. Smylie (Ore) 1:49.2. Mile(b), Hailu (Ore St-Eth) 4:03.2 (53.0); 2. West (Cal) 4:04.8; 3. Mittelstaedt (Stan) 4:05.3. 3Mile(b), Prefontaine (Ore) 13:32.2 (4:21.0, 8:53.8); 2. Johnson (Wash) 13:36.0; 3. Tyson (Ore) 13:38.2; 4. Hiefield (Wash St) 13:41.4; 5. Burkwist (Wash St) 13:43.8. 3000mSt(a), Koss (Wash) 8:42.0; 2. Johnson 8:42.2; 3. Hill (Ore St) 8:55.6; 4. Long (Ore) 8:59.2. 120HH(b,ok) Rich (UCLA) 13.7; 2. Wilson (Sn Cal) 14.0; 3. Coffman (Sn Cal) 14.0. Heats(a): 1(w)-1. Rich 14.0. 11(w)-1. Wilson 14.0. 440IH(b), Corval (UCLA-Fr) 52.2. Heats(a): 1-1. Corval 52.0; 2. Long (Stan) 52.1.

HJ(b), Stones (UCLA) 7-1; 2. Fletcher (UCLA) 7-1; 3. Owens (Sn Cal) 7-0; 4. tie, Hill (Ore) & Hollins (Sn Cal) 6-10; 6. Niehl (Wash St) 6-10; 7. Woods (Ore St) 6-10. PV(a), Bryde (Wash-Can) 16-9½; 2. Pullard (Sn Cal) 16-3; 3. Cryder (Sn Cal) 16-3; 4. Sakala (UCLA) 16-3; . . . 7. tie, Taylor (Wash) & Tracaneli (UCLA-Fr) 15-9. LJ(a), Williams (Sn Cal) 25-8ok; 2. Bendixen (UCLA-Nor) 25-5ok; 3. Conway (Cal) 25-2½w; 4. Delamere (Wash St-NZ) 24-10¼w; 5. Jackson (Sn Cal-Jam) 24-8ok. TJ(b, ok), Butts (UCLA) 54-4¾ (5th performer, 9th performance all-time US) (50-10¼, 54-4¾ [-1.3], 51-11½, p, p, f); 2. Jackson 51-6; 3. Conway 51-5¾; 4. Tiff (UCLA) 50-10¼. SP(a), Lane (Sn Cal) 66-11¼ (9th performer all-time US) (66-11¼, 65-3½, 66-7¼, 64-11¼, f, 65-3¼); 2. Umock (Ore) 65-10¼; 3. Walker (Ore St) 60-9¾; 4. Cathcart (Wash) 60-3¼; 5. Penrose (Cal) 57-11¾; 6. Wilkins (Ore) 57-10¼; 7. Cramer (Ore St) 57-8. DT(b, hampering wind), Penrose 185-6; 2. Wilkins 185-4; 3. Gordon (UCLA) 177-10. JT(a), Kennedy (Cal-Rho) 249-5; 2. Feldmann (Wash) 248-8; 3. Quitslund (Wash) 248-7; 4. Barnet (Sn Cal) 244-6. 440R(b), Southern Cal 40.2 (Williams, Brown, Quarrie, Deckard); 2. Oregon 40.6; 3. Cal 40.7; . . . dnf—UCLA. MileR(b), UCLA 3:06.7 (Echols 47.2, Williams 47.2, Gaddis 47.2, Brown 45.1); 2. Southern Cal 3:08.5 (Krzyzosiak 47.2, Richardson 47.6, Garrison 47.2, Brown 46.5); 3. Oregon State 3:11.7 (Collins 46.9);

Track Newsletter supplements Track & Field News with (1) marks of US and international men's track and field competitions, indoors and out, which qualify for T&FN's annually revised reporting standards or which are achieved by world ranking athletes, (2) complete summaries of major competitions, and (3) selected highlights of cross country, marathon and walking races.

TrackStats offers statistical computations and analyses in track and field.

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Frequently used abbreviations: exact wind readings, if available, are always given in miles per hour (mph)—ok=wind below legal limit of 4.473 mph; windy=wind exceeding 4.473 mph; "—" before reading indicates headwind; nwi=no wind information or incomplete data; h=heat; sf=semifinal; f=foul; p=pass; disq=disqualified; dnf=did not finish; dns=did not start; nh=no height; nt=no time; inj=injured; PR=personal record; NR=national record; WR=world record; ER=European record; AR=American record; BCR=British Commonwealth record; AfrR=African record; CR=collegiate record; JCR=junior college record; HSR=high school record.

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4. Cal 3:11.8 (Brown 46.9). Teams: Southern Cal 140; 2. UCLA 124; 3. Oregon 86; 4. Washington 64; 5. California 63; 6. Oregon State 43; 7. Stanford 23; 8. Washington State 14.

**TOM BLACK CLASSIC**, Knoxville, Tenn., May 20—100m(nwi), Vaughan (Fla TC) 10.3; 2. Hurd (Phil PC) 10.4; 200m(nwi), Vaughan 20.7; 400m, Jordan (Ky St) 46.4; 2. Gibson (Miss St) 46.5. 800m, Waldrop (N Car) 1:47.2; 2. Hawkins (Tenn) 1:47.6; 3. Cayenne (Phil PC-Trin) 1:47.9; 4. Craig (unat) 1:48.0; 5. Guaschino (NYAC) 1:48.8. Univ 800m, Schaper (S Car) 1:49.2. 3000mSt, Brown (Tenn) 8:47.8. 110mHH(nwi), Mattina (Tenn) 13.9; 2. Flowers (Tenn) 14.0. 400mIH, Bresler (Aub) 51.3. PV, Sprung (Quantico) 16-0; 2. St. Lawrence (NYAC) 16-0. Univ PV, McMillen (Fla St) 16-0. LJ(nwi), Boston (Knox TC) 24-9¼; 2. Lanier (Cinc) 24-7¼. Univ LJ(nwi) Rea (Pitt) 24-7¼. TJ(nwi), Lanier 50-7½; JT, Martin (Tenn) 244-10; 2. Collins (unat) 238-9. 440R, Memphis State 40.3. MileR, South Carolina (Small, Schaper, McLeod, Dempsey) 3:10.5; 2. Tennessee 3:11.0.

**ROCKY MOUNTAIN ATHLETIC CONFERENCE**, Hays, Kans., May 20—LJ(nwi), Grant (Sn Colo St) 24-10. TJ(nwi), Tate (Wn Colo St) 50-4¼. Teams: Fort Hays State 126; 2. Emporia State 77.

**INDIANA 101-OHIO STATE 53**, Columbus, Ohio, May 20—100(nwi), Harris (Ohio St) 9.4.

**ILLINOIS 107-NORTHWESTERN 42**, Champaign, Ill., May 20—880, Phillips (I) 1:48.2; 2. Mango (I) 1:48.4. Mile, Gross (I) 4:00.4 (60, 62, 60, 58.4); 2. LaBadie (I) 4:03.7. 120HH(ok), Pivovar (I) 14.0. HJ, Rogers (N) 6-10. DT, Dykstra (I) 177-1.

**MICHIGAN 84-PURDUE 69**, Ann Arbor, Mich., May 20—LJ(nwi), Bolin (P) 25-0. SP, Adams (M) 59-10½. 440R, Michigan 40.8.

**UTAH-AIR FORCE**, Air Academy, Colo., May 20—100(w), Odom (U) 9.4.

**EL PASO INVITATIONAL**, El Paso, Tex., May 20 /altitude 3856-feet; attendance 6500/—100(—), Stewart (El Paso-Jam) 9.4; 2. McGee (Alc A&M) 9.4; 3. Taylor (Tex Sn) 9.5; 4. Jackson (El Paso) 9.5; 5. Ware (Cu hoga CC) 9.5. 220(ok), Jackson 20.9; 2. Walker (Adel) 21.0. 440, Roberts (Phil PC-Trin) 45.9; 2. Joseph (Phil PC-Trin) 45.9; 3. Turner (Spts Intl) 46.6; 4. James (BOHAA) 46.8; 5. McPherson (Adel) 47.1. 880, Van Zijl (S Afr) 1:47.1; 2. Luzins (Quantico) 1:48.0; 3. Fulton (Tex Sn) 1:48.5; 4. Schappert (Vill) 1:49.0; 5. De La Cerda (El Paso) 1:49.6. Mile, Wheeler (Duke) 4:03.1; 2. Pearson (Can) 4:04.3; 3. Mason (NYAC-GB) 4:05.0; 4. Roberts (unat) 4:05.4; 5. Murphy (NYAC-Eire) 4:05.6. 2Mile, Hilton (Houst TC) 8:52.8; 2. Patton (unat) 8:55.0; 3. Pearce (P Coast-Aus) 9:01.2. 120HH(-7.16), Milburn (Sn U) 13.3; 2. Davenport (B Rouge TC) 13.5; 3. Gibson (P Coast) 13.6; 4. Hall (Phil PC) 14.1. 440IH, James 51.1; 2. Adsit (Colo St) 51.1; 3. Rondeau (El Paso) 51.4; 4. Ohman (NM-Swe) 51.4; 5. Johnson (P Coast-NZ) 52.2.

HJ, Brown (Cal Int) 7-1; 2. Jourdan (Fla TC) 7-0; 3. Shepard (P Coast) 6-11; 4. Lisby (Strid) 6-10; 5. Elliott (P Coast) 6-10. PV, Isaksson (Swe) 17-6; 2. Roberts (Rice) 17-6; 3. Richards (P Coast) 16-6; 4. Jernberg (NM-Swe) 16-6; 5. R.Carter (Tex Strid) 16-6; 6. Parris (McMurry) 16-6; 7. tie, Vaughan (Strid) & Simpson (Can) 16-6; 9. Heglar (P Coast) 16-0; 10. Dickie Phillips (Tex Strid) 16-0; . . . nh—Curnow (El Paso) & Railsback (Strid). LJ, Hines (Strid) 26-10¼w (f, 26-0w, f, 26-3½w, 26-7w, 26-10¼w); 2. Tate (NYPC) 26-¼ok (f, 23-3½, 25-1¼, 26¼, f, f); 3. Royster (BA Strid) 26-¼ok; 4. Jackson (Ft Mac) 25-6¼ok; 5. Coleman (Ft Mac) 25-2ok; 6. Owusu (Ang St-Gha) 25-¾ok. TJ(ok), Gill (Cal Int-Ind) 54-5; 2. Tate 51-4½; 3. Hall (El Paso) 51-4. SP, DeBernardi (El Paso) 68-7¼ (6th performer all-time world; 3rd performer all-time US, collegiate) (65-7, 64-7½, 63-3¼, 66-5, 68-7¼, 66-3½); 2. Woods (P Coast) 67-2 (f, 62-6½, 67-2, f, f, p); 3. Matson (Tex Strid) 67-1 (65-11¼, 67-1, f, 66-4¼, 66-5¼, 65-1); 4. S.Wilhelm (MATC) 65-7¼; 5. Salb (MATC) 65-7½ (best fifth-place ever) (first competition ever with 5 putters over 20.00m [65-7½]); 6. Hوجلund (El Paso-Swe) 65-3½. DT, Van Reenen (Cal TC Afr) 210-3 (f, 193-0, 210-3, f, 199-9, f); 2. Vollmer (Ft Mac) 206-3; 3. DeBernardi 192-6; 4. Ordway (P Coast) 186-3; 5. Salb 185-5. HT, Connolly (Strid) 222-10; 2. Gage (NYAC) 218-2; 3. Farmer (El Paso-Aus) 205-9; 4. Nunn (El Paso) 189-2. JT, Murro (P Coast) 273-8. 440R, Philadelphia PC 39.2 (Roberts, Mills, Joseph, Ware); 2. Texas Southern 39.4; 3. El Paso 39.6; 4. Southwestern Louisiana 39.6; 5. Baton Rouge TC 39.8. MileR, Philadelphia PC 3:07.3; 2. Adelphi 3:07.6; 3. El Paso 3:09.3 (H.Williams 46.4).

**BAKERSFIELD CLASSIC**, Bakersfield, Calif., May 20 /cold and windy; from Tom Gleason/—100m(-4.1), B.Turner (Cal Int) 10.4; 2. Hart (BA Strid) 10.6; . . . dnf—Pender (Ft Mac) (expected recall). 200m(-0.17), C. Smith (Strid) 20.8; 2. Bright (Ft Mac) 21.1; . . . 4. W.Turner (Cal Int) 21.5. 400m, Collett (Strid) 44.9; 2. H. Brown (Strid) 46.0; 3. Peoples (Ariz St) 46.3; 4. Morton (Ft Mac) 47.3; . . . 6. Newhouse (Ft Mac) 47.9; . . . 8. Kemp (Strid) 48.0. 800m, Swenson (Ft Reilly) 1:48.9; 2. Straub (Husky SC) 1:49.0; 3. Winzenried (CW) 1:49.3; 4. Sandison (Coug TC) 1:49.4. Mile, Von Ruden (P Coast) 3:59.0 (60.5, 2:01.7, 3:02.5); 2. Crawford (Ft Mac) 3:59.8 (60.9, 2:00.7, 3:02.0, 3:42.8m); 3. McDonald (WVTC) 4:01.1; 4. VanDyk (CW) 4:01.5; 5. Sinnott (Nev) 4:02.8; 6. Savage (CW) 4:03.0; 7. Messina (SDTC) 4:04.2; . . . dnf—Michael (Quantico) 60.5, 2:02.8 (shoe ripped off with 660 left). 5000m, Benson (Aus) 13:36.6 (13:13.2); 2. Young (unat) 13:37.6 (8th performance all-time US) (13:12.8); 3. Ryun (CW) 13:38.2 (8th performer, 11th performance all-time US) (13:14.8 16th performer all-time US); 4. Smith (LAPD) 13:40.0 (10th performer all-time US) (13:14.4 15th performer all-time US); 5. McLaren (Can) 13:40.0 NR (13:14.4) 10. 6. Bachelor (Fla TC) 13:40.4; 7. Shorter (Fla TC) 13:42.4; 8. Brock (CW) 14:04.0; 9. Harrison (CW) 14:07.0; 10. Michael 14:10.2; 11. Mason (CW) 14:11.0; 12. Messenger (USAF)

14:15.6. 3000mSt, Manley (Ore TC) 8:36.0; 2. Price (AIA) 8:37.4; 3. S.Savage (Ore TC) 8:41.6; 4. Liebenberg (CW) 8:46.2; 5. Clark (USAF) 8:50.2; 6. Richards (USAF) 8:52.6; 7. Rix (GB) 8:53.8; 8. Gorman (Ore TC) 8:59.8; 9. Williams (Ore TC) 8:59.8. 110mHH(-5.4), Hill (Ark St U) 13.9; 2. Draper (UCTC) 14.1; 3. Foster (N Car Cent) 14.1. 440IH, Mann (Strid) 50.7; 2. Gittins (Coug TC) 50.8; 3. Seymour (Strid) 51.0; 4. Williams (SDTC) 51.6; 5. Steele (AATC) 51.8; 6. Musika (P Coast) 52.1; 7. Whitney (Strid) 52.2.

HJ, Culp (Cal Int) 7-¾; 2. Hawkins (Can) 6-10; 3. Radetich (Staters) 6-10; 4. Bradley (Ariz St) 6-10; 5. Burrell (BA Strid) 6-10; 6. Fosbury (Staters) 6-8. PV, Seagren (Strid) 17-0; 2. Williamson (NYAC) 16-8; 3. Caruthers (Cal Int) 16-2; 4. Dias (P Coast) 16-2. LJ(-), Whitley (Cal Int) 25-1; 2. McAlister (Cal TC) 24-9¼; 3. Proctor (Strid) 24-8½; 4. Smith (Ore TC) 24-½; 5. Robinson (Ft Mac) 23-4½. TJ(-), Reader (BA Strid) 51-4; 2. Walker (Strid) 50-6; 3. Fraser (BA Strid) 50-4¼; 4. McClellon (USAF) 50-3½. SP, Feuerbach (P Coast) 67-4½ (67-4½, 65-11, 66-9¾, 66-8, 64-8, 63-7½); 2. B.Wilhelm (Ft Mac) 63-4; 3. Marks (P Coast) 62-8¼. DT, Silvester (Intmtn TC) 196-5 (195-2, f, f, f, 196-5, f); 2. Kohler (Strid) 189-4; 3. Neville (Strid) 186-5; 4. Pecar (BYU-Yug) 185-3; 5. Lister (P Coast) 179-6. Sp DT(5/21 @ Lancaster, Calif—wind 10-20mph straight on), Silvester 215-2; 2. Van Reenen (Cal TC-S Afr) 212-7; 3. Vollmer (Ft Mac) 201-9; 4. Penrose (Cal) 196-10; 5. Ordway (P Coast) 195-9; 6. Neville 192-0; 7. Carlsen (Strid) 189-9; 8. Weber (P Coast) 186-1; 9. Lister 182-5; 10. Bakken (unat) 182-2; 11. Kennedy (BA Strid) 182-0; 12. Louisiana (BA Strid) 177-4; 13. Davis (BA Strid) 177-2; 14. Kohler 174-11; 15. Pecar 173-2. JT, Schmidt (Ft Mac) 265-8 (265-8, 233-3, 244-2, 242-2, 253-0, 242-10); 2. Luke (Husky SC) 265-3 (265-3, 244-2, 237-8, 247-0, 243-5, 245-9); 3. Wallis (Ft Mac) 241-0; 4. Laville (Strid-Antilles) 237-10. 440R, North Carolina Central 40.0 (Foster, Horsley, Black, Sang); 2. Cal International 40.0; 3. Fort MacArthur 40.1. MileR, Striders 3:08.2 (Mann 48.7, Whitney 48.2, H.Brown 46.3, Collett 45.0); 2. North Carolina Central 3:10.4 (Bassett 48.2 [fell], Ouko 50.9, Sang 45.8, Black 45.5).

MIT-BATES, Cambridge, Mass., April 15—HT, Moore (MIT) 179-3.

DARTMOUTH-MASSACHUSETTS, Amherst, Mass., April 25—3000mSt, Potter (D) 9:02.2.

COUGAR INVITATIONAL, Pullman, Wash., May 9(a)-10(b)—DT(b), McCourtie (Wash St) 178-3. JT(b), Hodgson (Wash St) 243-1. Dec(a-b), Wash (Wash St) 728.5 (10.6, 23-8, 41-½, 6-6, 49.8, 15.0, 133-0, 10-6½, 153-4, 4:42.8); 2. Monahan (Wash St) 7005 (11.1, 21-8¼, 42-9, 6-7/8, 54.0, 16.0, 126-2, 14-6½, 163-3, 4:43.1); 3. Wood (Wash St-NZ) 6764.

SPRINGFIELD-DARTMOUTH, Springfield, Mass., May 17—HT, Cramer (S) 178-10.

EASTERN MICHIGAN OPEN, Ypsilanti, Mich., May 19—100(ok), Crawford (En Mich-Trin) 9.4; 2. Dill (Mich St) 9.4. 220(ok), Dill 20.9. 880, Popejoy (Mich St) 1:48.3. 440IH, Cassleman (Mich St) 51.5; 2. Cartwright (En Mich) 52.0. Dec(19-20), Miller (Ohio TC) 6982; 2. DeVries (En Mich) 6857. MileR, Eastern Michigan 3:11.9 (Vinson 47.2). 440R, Eastern Michigan 40.6; 2. Michigan State 40.7.

MEET OF CHAMPIONS, Pasadena, Tex., May 19 /attendance 6000; from Fred Duckett/—100(ok), Porter (SWn La) 9.3; 2. Baldwin (Dall Bapt) 9.4. Heats(ok): Porter 9.3. HS 100(ok), Misher (Sterling, Houston) 9.4; 2. Ross (Smiley, Houston) 9.4. 220(ok), Porter 20.9. 880, Fulton (Tex Sn) 1:49.2. Mile, Fulton 4:01.4; 2. Blewett (unat) 4:02.1; 3. Melancon (SWn La) 4:03.3; 4. Botterill (SWn La-Aus) 4:04.6. 3Mile, Hilton (Houst TC) 13:48.8. 120HH(ok), Stubbs (La Tech) 13.7; 2. R.Washington (Tex Sn) 13.8; 3. Gipson (Lamar TC) 13.9; 4. Green (unat) 14.0; 5. Brasell (McNeese St) 14.0. 440IH, Gipson 50.9; 2. Thompson (Tex Sn) 51.4; 3. Eberhart (S Plains JC) 51.7; 4. Vicenik (Houst TC) 51.7. HJ, Hartfield (unat) 6-10. LJ(nwi), Owusu (Ang St-Gha) 25-3¾; 2. Smith (La Tech) 24-10½; 3. Green 24-10¼. TJ(ok), Brown (Dall Bapt) 51-1¼; 2. Owusu 50-4½; 3. Elliot (Tex Sn) 50-3¾. DT, Paul (Ball HS, Galveston, Tex) 170-7 (3rd performer all-time HS). 440R, Southwestern Louisiana 39.9 (Porter, Gullett, Thompson, Credeur); 2. Texas Southern 40.2; 3. Dallas Baptist 40.3; 4. ACC 40.8. MileR, Texas Southern 3:07.7 (Thompson, U.Washington, R.E. Taylor, Jenkins); 2. Dallas Baptist 3:08.1; 3. Houston TC 3:08.7; 4. ACC 3:09.2; 5. Prairie View A&M 3:09.6.

BIG SKY CONFERENCE, Boise, Idaho, May 19(a)-20(b)—100(b, reportedly -19.6), Lawson (Id St-Jam) 9.4. 220(b, reportedly -18.0), Lawson 20.8. 3000mSt(a), Cook (Mont) 8:59.0; 2. Sliney (Nn Ariz-GB) 9:00.8. JT(b), Stiles (Mont) 242-9. Teams: Montana 147; 2. Idaho State 124; 3. Northern Arizona 86.

WISCONSIN-UCTC, Madison, Wisc., May 20—880, Wohlhuter (UCTC) 1:49.7. 3000mSt, Larson (Wisc) 8:54.4. PV, Crail (Wisc) 16-1¼. TJ(nwi), Craft (UCTC) 54-5½; 2. Onyango (Wisc-Ken) 50-6½. SP, Oldfield (UCTC) 67-4 (8th performer all-time US); 2. Davis (UCTC) 60-3½.

INTERMOUNTAIN FEDERATION, Logan, Utah, May 20—120HH(nwi), Redfearn (BYU) 13.9. 440IH, Young (BYU) 52.0. TJ(nwi), Langeland (BYU-Nor) 50-½. SP, Arrhenius (BYU-Swe) 63-8½. DT, Roost (Intmtn TC-Can) 181-5.

NORTHERN CALIFORNIA JC CHAMPIONSHIPS, Salinas, Calif., May 20—TJ(ok), Terry (SJ Delta) 49-9¼.

NORTHWEST INVITATIONAL, Tacoma, Wash., May 20—HJ, LaVerdure (Husky SC) 6-10¼.

AAU MARATHON, Syracuse, N.Y., May 21—Norris (Bost AA-GB) 2:24:42.8; 2. Vitale (NHTC) 2:25:30; 3. Fitts (Millrose AA) 2:26:23; 4. Fultz (USCG) 2:26:39; 5. Daws (TCTC) 2:26:47.

INVITATIONAL DECATHLON, Santa Maria, Calif., May 20-21—Thoreson (CW) 7632 (10.9, 21-9, 39-2, 6-7<sup>1</sup>/<sub>8</sub>, 51.8, 15.2, 150-8, 15-0, 187-6, 4:32.5).

INVITATIONAL DECATHLON, Santa Maria, Calif., May 21-22—Gabbett (GB) 8040 BCR, NR (old BCR 7901 Gabbett 71) (10.5, 24-2<sup>1</sup>/<sub>2</sub>, 43-1<sup>3</sup>/<sub>4</sub>, 6-1<sup>1</sup>/<sub>4</sub>, 46.4, 15.2, 154-1<sup>1</sup>/<sub>2</sub>, 15-1<sup>1</sup>/<sub>4</sub>, 188-0, 4:45.1); 2. Moro (Can) 7809 NR (11.1, 23-4, 47-7<sup>1</sup>/<sub>4</sub>, 6-2<sup>7</sup>/<sub>8</sub>, 51.8, 15.0, 162-1<sup>6</sup>/<sub>8</sub>, 15-7, 195-10<sup>1</sup>/<sub>2</sub>, 4:48.8); 3. King (GB-CW) 7676 (10.7, 22-10, 51-2<sup>1</sup>/<sub>2</sub>, 6-1<sup>1</sup>/<sub>4</sub>, 50.0, 16.3, 169-5<sup>1</sup>/<sub>4</sub>, 12-9<sup>1</sup>/<sub>2</sub>, 180-3, 4:40.4); 4. Toomey (CW) 7421 (10.7, 24-<sup>1</sup>/<sub>4</sub>, 40-7<sup>3</sup>/<sub>4</sub>, 6-2<sup>7</sup>/<sub>8</sub>, 51.4, 15.2, 140-2<sup>1</sup>/<sub>2</sub>, 13-1<sup>1</sup>/<sub>2</sub>, 209-7<sup>1</sup>/<sub>2</sub>, 5:07.5); 5. Taft (CW) 7239 (10.7, 22-7<sup>1</sup>/<sub>4</sub>, 37-<sup>1</sup>/<sub>2</sub>, 6-0, 50.1, 15.9, 124-6<sup>1</sup>/<sub>2</sub>, 15-1<sup>1</sup>/<sub>4</sub>, 160-2, 4:39.8).

UTEP INVITATIONAL IV, El Paso, Tex., May 23 /attendance 1500/—PV, Isaksson (Swe) 18<sup>1</sup>/<sub>4</sub> =WR, ER, (=WR Seagren [US] 72, old ER 18-2<sup>1</sup>/<sub>4</sub> Isaksson 72) (17-4 [1], 18-<sup>1</sup>/<sub>2</sub> [1], 18-4<sup>1</sup>/<sub>4</sub> [2]); 2. Seagren (Strid) 18-4<sup>1</sup>/<sub>4</sub> WR, AR (old WR 18-2<sup>1</sup>/<sub>4</sub> Isaksson 72, old AR 18-<sup>1</sup>/<sub>2</sub> Seagren 72) (17-4 [2], 18-<sup>1</sup>/<sub>2</sub> [3] AR [old AR 17-10<sup>1</sup>/<sub>4</sub> Pennel /Strid/ 69], 18-4<sup>1</sup>/<sub>4</sub> [2]) (note: 18-4<sup>1</sup>/<sub>4</sub> measured metrically at 5.59=18-4<sup>1</sup>/<sub>4</sub> on Sparks [IAAF accepted] tables, =18-4 on Potts [ATFS] tables); 3. Curnow (El Paso) 17-<sup>1</sup>/<sub>2</sub>; 4. Heglar (P Coast) 17-<sup>1</sup>/<sub>2</sub>; 5. Williamson (NYAC) 16-8<sup>3</sup>/<sub>4</sub>; 6. R. Carter (Tex Strid) 16-8<sup>3</sup>/<sub>4</sub>; 7. Dickie Phillips (Tex Strid) 16-3.

## WORLD OUTDOOR RESULTS

SHIUOKA, JAPAN, April 23—TJ, Muraki 54-6<sup>3</sup>/<sub>4</sub>.

TOKYO, JAPAN, April 30—HJ, Tomizawa 7-1. TJ, Muraki 53-2<sup>1</sup>/<sub>2</sub>.

BERLIN, EAST GERMANY, May 3—SP, Rothenburg 66-8<sup>1</sup>/<sub>2</sub>. DT, Thorith 201-3<sup>1</sup>/<sub>2</sub>; 2. Rothenburg 190-3<sup>1</sup>/<sub>2</sub>.

POTSDAM, EAST GERMANY, May 6—SP, Prollius 64-6<sup>3</sup>/<sub>4</sub>.

BUDAPEST, HUNGARY, May 10—SP, Teveli 62-7<sup>1</sup>/<sub>2</sub>.

POTSDAM, EAST GERMANY, May 10—SP, Hoffmann 66-10<sup>1</sup>/<sub>4</sub>. DT, Losch 202-9.

DARMSTADT, WEST GERMANY, May 13—HT, Schmidt 229-10.

BUDAPEST, HUNGARY, May 13(a)-14(b) /a—driving rain/—SP(b), Varju 65-2<sup>3</sup>/<sub>4</sub>. DT(a), Fejer 198-7<sup>1</sup>/<sub>2</sub>; 2. Szegeletes 192-8<sup>1</sup>/<sub>2</sub>; 3. Muranyi 191-1; 4. Tegla 186-4. HT(b), Zsivotzky 236-4 (all throws over 229-8); 2. Encsi 233-11; 3. Eckschmidt 221-5<sup>1</sup>/<sub>2</sub>.

BERLIN, EAST GERMANY, May 14—SP, Briesenick 67-3.

BAD HONNEF, WEST GERMANY, May 14—DT, Wippermann 195-8<sup>1</sup>/<sub>2</sub>.

HAVANA, CUBA—110mHH, Casanas 13.8. LJ, Diaz 25-8<sup>1</sup>/<sub>4</sub> NR. TJ, Velasquez 53-3 <sup>1</sup>/<sub>2</sub>.

BUDAPEST, HUNGARY, May 16—LJ, Kalocsai 25-7. DT, Fejer 206-6<sup>1</sup>/<sub>2</sub>.

BUDAPEST, HUNGARY, May 18—HT, Encsi 233-7. JT, Csik 260-3<sup>1</sup>/<sub>2</sub>; 2. Kovacs 260-<sup>1</sup>/<sub>2</sub>.

KAUIAINEN, FINLAND, May 18—HJ, Pesonen 7-<sup>1</sup>/<sub>4</sub>. JT, Siitonen 277-6<sup>1</sup>/<sub>2</sub>.

SOFIA, BULGARIA—HT, Manolov 230-2 NR.

FEODOSIA, USSR—HT, Khmyelevskiy 237-6<sup>1</sup>/<sub>2</sub>; 2. Malyukov 227-6.

BUCHAREST, RUMANIA—110mHH, Pertea 13.7 NR; 2. Sebestyen 13.9. HJ, Ioan 7-<sup>1</sup>/<sub>4</sub>.

COLOGNE, WEST GERMANY—DT, Hennig 209-<sup>1</sup>/<sub>2</sub>.

DARMSTADT, WEST GERMANY—HT, Beyer 236-4.

ALVOV, USSR—HT, Gamskiy 239-10.

MINSK, USSR—Khmyelevskiy 237-6<sup>1</sup>/<sub>2</sub>; 2. Klim 229-2<sup>1</sup>/<sub>2</sub>.

ATHENS, GREECE—PV, Papanicolaou 16-8<sup>3</sup>/<sub>4</sub>. HT, Babaniotis 226-5 NR; 2. Mustafsidis 220-3.

BRESSUIRE, FRANCE—100m(ok), Sarteur 10.2; 2. Chauvelot 10.2. LJ, Vix 25-9.

FEODOSIA, USSR—DT, Kuusemae 201-1<sup>1</sup>/<sub>2</sub>.

RIGA, USSR—JT, Lusia 281-6; 2. Makarov 271-11.

SOCHI, USSR—110mHH, Moshiasvili 13.8. PV, Bliznyetsov 17-4<sup>3</sup>/<sub>4</sub>; 2. Isakov 17-<sup>3</sup>/<sub>4</sub>; 3. Khanafin 16-8<sup>3</sup>/<sub>4</sub>.

BONN, WEST GERMANY—110mHH, Schumann 13.6; 2. Nickel 13.8. HJ, Magerl 7-1<sup>1</sup>/<sub>2</sub>.

TREVES, WEST GERMANY, May 20—800m, 2. Paul (US-UCTC) 1:50.3. HT, I-1. Riehm 242-4<sup>1</sup>/<sub>2</sub> (age-21 best); 2. Beyer 233-8<sup>1</sup>/<sub>2</sub>; 3. Entsch 225-9<sup>1</sup>/<sub>2</sub>; 4. Fahsl 225-3. II-1. Heick 222-4<sup>1</sup>/<sub>2</sub>; 2. Woltering 221-4. JT, Nemeth (Hun) 265-10<sup>1</sup>/<sub>2</sub>.

BUDAPEST, HUNGARY—SP, Teveli 61-10<sup>1</sup>/<sub>4</sub>. DT, Muranyi 210-3.

ERFURT, EAST GERMANY—400m, Gutschmidt 46.3. 110mHH, Siebeck 13.5. 400mIH, Rudolph 50.1. PV, Nordwig 17-4<sup>3</sup>/<sub>4</sub>.

JENA, EAST GERMANY—SP, Briesenick 68-8; 2. Gies 67-8<sup>1</sup>/<sub>2</sub>; 3. Rothenburg 67-6<sup>3</sup>/<sub>4</sub>; 4. Hoffmann 65-8<sup>1</sup>/<sub>2</sub>.

## WORLD INDOOR RESULTS

WARSAW, POLAND, March 5—60m, Nowosz 6.4 =WIR, =EIR (equals record by Pankratov /SU/ 67, Borzov /SU/ 68, Kornelyuk /SU/ 72, Gustafsson /Fin/ 72).

## SPLITS IN WORLD RECORDS SINCE 1946 (2)

compiled by Roger Gynn (GB)

### One mile (440y)

3:59.4	Roger Bannister (GB)	Oxford	5/ 6/54	13:56.6	Vladimir Kuts (SU)	Bern	8/29/54
	(57.5, 60.7, 62.3, 58.9)				(2:44.0, 2:52.7, 2:47.2, 2:48.4, 2:44.3)		
3:58.0	John Landy (Aus)	Turku	6/21/54	13:51.6	Chris Chataway (GB)	London	10/13/54
	(58.5, 60.2, 58.5, 60.7)				(2:41.5, 2:50.1, 2:44.9, 2:53.4, 2:41.7)		
3:57.2	Derek Ibbotson (GB)	London	7/19/57	13:51.2	Vladimir Kuts (SU)	London	10/23/54
	(56.0, 60.4, 63.9, 56.9)				(2:38.4, 2:52.4, 2:51.8, 2:45.0, 2:43.6)		
3:54.5	Herb Elliott (Aus)	Dublin	8/ 6/58	13:50.8	Sandor Iharos (Hun)	Budapest	9/10/55
	(56.4, 61.8, 61.0, 55.3)				(2:44.0, 2:49.4, 2:49.8, 2:46.4, 2:41.2)		
3:54.4	Peter Snell (NZ)	Wanganui	1/27/62	13:46.8	Vladimir Kuts	Belgrade	9/18/55
	(60.7, 59.9, 59.0, 54.8)				(2:43.0, 2:47.0, 2:46.0, 2:50.0, 2:40.8)		
3:54.1	Peter Snell (NZ)	Auckland	11/17/64	13:40.6	Sandor Iharos (Hun)	Budapest	10/23/55
	(56.4, 57.7, 60.2, 59.8)				(2:42.0, 2:46.0, 2:48.0, 2:51.0, 2:33.6)		
3:53.6	Michel Jazy (Fr)	Rennes	6/ 9/65	13:36.8	Gordon Pirie (GB)	Bergen	6/19/56
	(57.3, 59.2, 59.9, 56.2)				(2:36.0, 2:46.0, 2:47.0, 2:48.0, 2:39.8)		
3:51.3	Jim Ryun (US)	Berkeley	7/17/66	13:35.0	Vladimir Kuts	Rome	10/13/57
	(57.9, 57.6, 59.8, 56.0)				(2:37.8, 2:46.5, 2:44.4, 2:44.2, 2:42.1)		
3:51.1	Jim Ryun (US)	Bakersfield	6/23/67	13:34.8	Ron Clarke (Aus)	Hobart	1/17/65
	(59.0, 59.9, 59.7, 52.5)				(2:43.8, 2:43.6, 2:44.4, 2:43.1, 2:39.9)		

### Three miles (880y)

13:31.4*	Vladimir Kuts (USSR)	Budapest	9/20/53	13:33.6	Ron Clarke (Aus)	Auckland	2/ 1/65
	(2:36.4, 2:45.6, 2:48.4, 2:51.6, 3:02.2) (1000m)				(2:08.0y, 2:10.0y, 2:11.0y, 2:17.0y, 2:13.0y, 2:09.0y)		
13:32.2	Fred Green (GB)	London	7/10/54	13:25.8	Ron Clarke (Aus)	Los Angeles	6/ 4/65
	(2:11.4, 2:18.2, 2:15.2, 2:16.8, 2:18.6, 2:12.6)				(2:07.9y, 2:09.1y, 2:10.4y, 2:12.6y, 2:12.2y, 2:08.2y)		
13:32.2	Chris Chataway (GB)	London	7/10/54	13:24.2	Kipchoge Keino (Ken)	Auckland	11/30/65
	(2:11.4, 2:18.2, 2:15.2, 2:16.8, 2:18.6, 2:12.6)				(2:07.0y, 2:07.0y, 2:09.0y, 2:11.5y, 2:12.5y, 2:11.5y)		
13:27.4	Vladimir Kuts (SU)	Bern	8/29/54	13:16.6	Ron Clarke (Aus)	Stockholm	7/ 5/66
	(2:44.0, 2:52.7, 2:47.2, 2:48.4, 2:44.3) (1000m)				(2:39.0, 2:38.0, 2:40.0, 2:43.0, 2:36.6)		
13:27.0	Vladimir Kuts (SU)	London	10/13/54	<b>Six-miles (mile)</b>			
	(2:09.8, 2:15.6, 2:11.4, 2:19.0, 2:19.0, 2:13.2)			28:30.8	Viljo Heino (Fin)	Kouvola	9/ 1/49
13:26.4	Vladimir Kuts (SU)	Prague	10/23/54		(2:53.2, 2:53.8, 3:00.8, 2:56.2, 3:00.0, 2:59.8,		
	(2:38.4, 2:52.4, 2:51.8, 2:45.0, 2:43.6) (1000m)				2:56.4, 2:59.8, 2:57.4, 2:49.8) (1000m)		
13:23.2	Chris Chataway (GB)	London	7/30/55	28:19.4	Gordon Pirie (GB)	London	7/10/63
	(2:14.8, 2:11.2, 2:15.8, 2:17.8, 2:19.0, 2:05.6)				(4:42.2, 4:37.6, 4:42.8, 4:42.6, 4:49.0, 4:45.2)		
13:14.2	Sandor Iharos (Hun)	Budapest	10/23/55	28:08.4	Emil Zatopek (Czech)	Stara Boleslav	11/ 1/53
	(2:42.0, 2:46.0, 2:48.0, 2:51.0, 2:33.6) (1000m)				(2:52.8, 2:55.8, 2:55.2, 2:55.8, 2:55.0, 2:54.0,		
13:10.8	Albie Thomas (Aus)	Dublin	7/ 9/58		2:55.4, 2:55.6, 2:57.2, 2:44.8) (1000m)		
	(2:12.0, 2:15.0, 2:12.0, 2:13.0, 2:12.0, 2:06.8)			27:59.2	Emil Zatopek (Czech)	Brussels	6/ 1/54
13:10.0	Murray Halberg (NZ)	Stockholm	7/25/61		(2:47.8, 2:56.4, 2:54.0, 2:55.8, 2:53.6, 2:55.4,		
	(2:41.6, 2:46.6, 2:43.4, 2:46.6, 2:37.0) (1000m)				2:53.4, 2:55.2, 2:55.8, 2:46.8) (1000m)		
13:07.6	Ron Clarke (Aus)	Melbourne	12/ 3/64	27:54.0	Dave Stephens (Aus)	Melbourne	1/25/56
	(2:08.0, 2:13.0, 2:17.0, 2:10.0, 2:13.0, 2:06.6)				(4:38.0, 4:38.0, 4:43.0, 4:41.0, 4:42.2, 4:31.8)		
13:00.4	Ron Clarke (Aus)	Los Angeles	6/ 4/65	27:43.8	Sandor Iharos (Hun)	Budapest	7/15/56
	(2:07.9, 2:09.1, 2:10.4, 2:12.6, 2:12.2, 2:08.2)				(2:46.8, 2:50.2, 2:52.0, 2:52.0, 2:54.0, 2:50.0,		
12:52.4	Ron Clarke (Aus)	London	7/10/65		2:53.0, 2:54.0, 2:57.0, 2:53.8) (1000m)		
	(2:07.2, 2:08.2, 2:10.6, 2:10.4, 2:10.4, 2:05.6)			27:17.6	Ron Clarke (Aus)	Melbourne	12/18/63
12:50.4	Ron Clarke (Aus)	Stockholm	7/ 5/66		(4:25.0, 4:32.0, 4:35.0, 4:38.0, 4:40.0, 4:27.6)		
	(2:39.0, 2:38.0, 2:40.0, 2:43.0, 2:36.6) (1000m)			27:11.6	Billy Mills (US)	San Diego	6/27/65
<b>5000-meters (1000m)</b>					(4:29.1, 4:34.3, 4:36.4, 4:36.5, 4:33.6, 4:21.7)		
13:57.2	Emil Zatopek (Czech)	Paris	5/30/54	27:11.6	Gerry Lindgren (US)	San Diego	6/27/65
	(2:47.2, 2:47.2, 2:49.0, 2:50.0, 2:43.8)				(4:29.1, 4:34.3, 4:36.4, 4:36.5, 4:33.6, 4:21.7)		
				26:47.0	Ron Clarke (Aus)	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) (1000m)		

(series to be continued)