

TRACK

NEWSLETTER

RONO RUNS WILD—AGAIN—8:05.4

Our friend Henry Rono now occupies a unique niche in track history—he's the first man ever to set a world record in the steeplechase and the 5000 (Ville Ritola did the steeple and 10,000).

And all of a sudden, the sub-8:00 steeple race appears to be just around the corner.

The Washington State soph came up with his latest exploit (8:05.4) at the Northwest Relays in Seattle, May 13.

It hailed earlier that morning, and the track was still wet when Rono began his race, in 55-degree weather.

His pace (on a 440 track with an interior water jump): 63.8, 66.2 (2:10.0), 64.0 (3:14.0), 65.5 (4:19.5), 65.3 (5:24.8), 65.1 (6:29.9)—last lap 61.4.

After the 5th lap, the wind came up, hitting 15-20mph. "It was very hard after 5 laps," said Rono.

Knowledgeable observers say that with a little technique, Rono could easily break 8:00. Doing little more than dropping over the water barrier and wading out, he losted perhaps 5 seconds in the water during every race.

"If he had the technique of the top steeplechasers he would be under 8:00 easily," said 2nd-placer Jim Johnson (8:36.1). Rono's margin of victory (30.7) is the largest in a world record since Gaston Roelants won by 58.2 in 1965.

THIS 'N THAT

Intermediate hurdler Quentin Wheeler has dropped off the Cal squad in a money squabble...

A couple of amendments to the all-time women's marathon list in the April 26 issue: Pat Latora (Liberty AC) ran 2:47:20 on 10/30/77, which would make her 15th, and Cindy Dalrymple (Honolulu TC) ran 2:48:08 on 12/11/77 for 19th. Janice Arenz (2:47:26) has since joined the list...

John Walker is having a recurrence of his cramping problem. Apparently his surgery was not a success...

World record holder Kat Schmidt has a strained bicep tendon in her shoulder and may not be able to throw this year.

NORTHWEST RELAYS

Seattle, May 13/attendance 200/-100, May (Id-Aus) 10.7. 200, May 21.2. 400, Wells (Mt) 46.9; 2. Ramsey (Wa St) 47.0; ... 4. Kablan

(Wa St-IC) 47.9. 800, Smith (HCC) 1:50.4. 1500, Maplestone (CNW-GB) 3:46.2.

●●● St, RONO (Wa St-Ken) 8:05.4 WR, CR (old WR 8:08.0 Garderud [Swe] '76, old CR 8:14.8 Rono '78); 2. Johnson (CNW) 8:36.1; 3. Evans (Wa St-Can) 8:52.1; 4. Barr (CNW) 8:54.7; 5. Magallanes (Boise St) 8:57.3.

5000, Hennessy (CNW) 14:10.0. 110H(w), Bruce (Wa St) 13.9. 400H, Seymour (Wa St) 51.4. 4 x 100, Washington 41.1.

HJ(indoors), Smith (SCC) 6-10. PV(indoors), Taylor (CNW) 17-8½; 2. Oravetz (Wa) 17-8¼. LJ, Halson (Wa St-Aus) 22-6. TJ, Campbell (Wa St-Aus) 50-9.

SP, Summers (Wa) 64-1; 2. Vincent (CNW) 60-8¾. DT, Allemeersch (Id-Can) 172-4.

- HT, NEILSON (Wa-Can) 236-3 (3rd performance all-time college) (233-5, 233-3, 229-10, 236-3, 235-4, 233-1); 2. Jesernig (Wa St) 184-9.
- JT, ATWOOD (Wa) 280-8 (=12th performer all-time U.S.; 7th performer all-time college); 2. Sinclair (Wa) 254-7; 3. Strickland (CNW) 233-10.

MANLEY GAMES

Kingston, Jamaica, May 12/warm & humid, calm/-100, Leonard (Cu) 10.19; 2. Quarrie (Jam-Tob) 10.26; 3. Gilkes (Guy-Tob) 10.29; 4. McTear (CJC) 10.29; 5. Riddick (PPC) 10.31; 6. Williams (AA) 10.46.

- 200, SANFORD (Sn Cal) 20.38 (entered in race as last-minute replacement for Williams; Edwards and Quarrie were inside him, watching each other, Sanford came off curve 5 meters up); 2. Quarrie 20.62; 3. Edwards (Sn Cal) 20.67; 4. Abrahams (Tob-Pan) 21.09; 5. Riddick 21.22.
- 400, MULLINS (Sn Cal) 45.19; 2. Vinson (UCTC) 45.37; 3. Rodgers (Tob) 45.62; 4. Sanford 46.05; 5. Frazier (PPC) 46.44.
800, Boit (Tob-Ken) 1:48.1; 2. McLean (PPC) 1:48.1 (1:48.05 to 1:48.11); 3. Kipkurgat (NM-Ken) 1:48.2; 4. Robinson (ICAC) 1:48.6; 5. Beaton (Sn Cal-Guy) 1:48.6. 1500, Bayi (Tanz) 3:38.4; 2. Munyala (UTEP-Ken) 3:38.6; 3. Hill (Can) 3:41.3; 4. Nyambui (Tanz) 3:41.7; 5. Cummings (PCC).
- 110H, NEHEMIAH (Md) 13.47; 2. Owens (UCLA) 13.67; 3. C. Foster (PPC) 13.69; 4. Robertson (Md) 14.84. (hit hurdle, ripped all the spikes off one shoe).
- 400H, MOSES (AIA) 48.62 (20th performance all-time U.S.); 2. Wheeler (unat) 49.18; 3. Graybehl (Sn Cal) 50.0; 4. T. Andrews (Tob) 50.4; 5. Robertson 50.6.

HJ, Jacobs (FB) 7-2½; 2. Woods (PCC) 7-½; 3. Kotinek (PCC) 7-½.
PV, Mooers (Hurr) 17-6; 2. Bell (PCC) 17-0; 3. Jessee (PCC) 16-6; 4.
Baird (Aus) 16-6. LJ, Pratt (Bah) 23-10%.

Women: 100, Morehead (Tn St) 11.26; 2. Lynch (LB St-GB)
11.35; 3. Ashford (UCLA) 11.38; 4. Pusey (Jam) 11.48; 5. Afriyie (Guy)
11.64. 400, Penton (Cu) 51.9; 2. Bryant (LA St) 52.1; 3. Forde (LIU-
Bar) 52.7; 4. Blake (Tn St-Jam) 53.2; 5. Yakubowich (Can) 54.3.

800, Merrill (Ct C) 2:04.3; 2. Larrieu (PCC) 2:04.8; 3. Jones (Atoms)
2:05.6.

● 100H, LAPLANTE (DCI) 13.30 (3rd performer, 7th performance all-
time U.S.); 2. Colyear (GB) 13.75; 3. Machado (Cu) 13.84; 4. Oshikoya
(UCLA-Nig) 13.99.

HJ, Brill (Can) 6-2¼; 2. Tannander (Swe) 5-10%; 3. Jones (Can) 5-8¼.

CONFERENCE CHAMPIONSHIPS

GULF SOUTH CONFERENCE

Jacksonville, Al., April 29-100, Myricks (Ms C) 10.37. 200,
Myricks 21.20. 400, Nicholson (Ms C) 48.12. 800, J. Boyles (Ms C)
1:52.9. 1500, V. Boyles (Ms C) 3:50.0. St. J. Boyles 9:22.7. 5000,
Jennings (SEn La) 14:35.4. 110H, Lennix (SEn La) 14.45. 400H,
Griffin (Ms C) 52.47. 4 x 100, Mississippi College 41.43. 4 x 400,
Mississippi College 3:12.4.

HJ, Barber (SEn La) 7-2; 2. George (DS) 7-1. PV, Ingram (SEn La)
La) 14-6. LJ, Dykes (SEn La) 24-11; 2. Myricks 24-7½. TJ, Dykes
51-11¼. SP, Hill (SEn La) 51-4½. DT, Sanders (SEn La) 147-2. HT,
Ford (DS) 139-11. JT, Baker (DS) 205-6.

Teams: 1. Mississippi College 176; 2. Troy State 169; 3. South-
eastern Louisiana 141; 4. Delta State 70; 5. Jacksonville State 31.

YANKEE CONFERENCE

Burlington, Vt., May 6-100y, Easton (BU) 9.9. 220, Cohen
(BU-GB) 21.5. 440, Cohen 47.7. 880, Somers (Ct) 1:54.3. Mile,
Wilson (BU) 4:15.0. St. McCusker (Ma) 8:54.9. 3M, Dorwin (Ma) 14:08.6.
120H, LeMay (Ct) 14.6. 440H, Kent (Ct) 53.6. 4 x 110, Boston University
42.0. 4 x 440, Boston University 3:16.6.

HJ, Augeri (Ct) 6-9. PV, Marcotte (BU) 15-2. LJ, Filipek (Ct) 22-4.
TJ, Augeri 47-3½. SP, Walton (Ct) 53-5½. DT, Walton 161-4. HT,
Porazzo (NH) 190-2. JT, Rowland (Ct) 238-6.

Teams: 1. Connecticut 200½; 2. Massachusetts 128½; 3. Boston
University 121; 4. tie, New Hampshire and Rhode Island 44; 6.
Vermont 31; 7. Maine 23.

NORTHWEST WOMEN'S COLLEGIATE

Bozeman, Mt., May 12(a)-13(b)-100(b), Adams (Or) 11.74; 2.
Batiste (Or) 11.79. 200(b), Batiste 24.37; 2. Adams 24.75. 400(b),

Sorrell (En Wa) 54.89; 2. Weinrich (Mt St) 55.56.

800(b), Griffith (SP) 2:14.0; 2. Hamilton (Port St) 2:15.9. 1500(b),
Eide (OCE) 4:35.8; 2. Schmidt (Or) 4:38.2. 3000(a), Quatier (SP)
10:06.2; 2. Lovelace (Or St) 10:08.4. 5000(b), Lovelace 17:44.7; 2.
Tolford (Or) 18:07.0.

100H(b), Anderson (SP) 14.29; 2. Hamilton (Mt) 14.34. 400H(b),
Anderson 60.4; 2. Rose (Or) 61.6.

4 x 110(b), Oregon 46.73; 2. Eastern Washington 48.59. 4 x 440(b),
Seattle Pacific 3:46.5; 2. Oregon 3:48.7. 4 x 880(a), Washington 9:22.4.
SpMed(b), Eastern Washington 1:47.3; 2. Oregon State 1:47.8.

HJ(a), Spencer (SP) 5-10; 2. Garrison (Wa) 5-8; 3. Smith (SP) 5-6; 4.
Felton (Wa) 5-6. LJ(b), Adams 18-8½; 2. Sturn (SP) 18-7. SP(a), Meck-
lenburg (SP) 51-3½; 2. VanPelt (Wa) 51-1; 3. Griffin (SP) 47-7½. DT(b),
Hansen (SP) 164-2; 2. Van Pelt 154-4; 3. Mecklenburg 149-10. JT(b),
Stolenburg (Port St) 156-4; 2. Thompson (Sp CC) 153-5; 3. Eggart (Wa
St) 146-1; 4. Kearney (Or) 143-7; 5. Hall (Or St) 143-1; 6. Lambrecht
(OCE) 142-8. Pent(a-b), Kinney (Sp CC) 3843; 2. Pyle (OCE) 3401.

Teams: 1. Oregon 142; 2. Seattle Pacific 126; 3. Washington 74; 4.
Spokane CC & Montana State 42; 6. Oregon State 36.

PCAA

Fresno, May 12(a)-13(b)-100(b), King (Irv) 10.46; 2. Jackson
(LB) 10.52; 3. Kirtman (SJ) 10.57. 200(b), King 20.61; 2. Jackson
21.00; 3. Pipersburg (LB) 21.01; 4. Krulee (SD) 21.15. Heats(a): 1-1.
King 20.73. 400(b), Beasley (LB) 45.87; 2. Rochee (SJ) 45.99; 3. Saun-
ders (LB-Can) 46.56.

800(b), Donohue (SD) 1:49.4; 2. Scott (Irv) 1:50.5; 3. Shannon (Irv)
1:50.6. 1500(b), Scott 3:43.6; 2. Cendejas (LB) 3:45.1; 3. Ross (SJ)
3:46.3; 4. Koningh (Irv) 3:47.9. St(a), Ahlmeyer (Irv) 8:44.7; 2. St.
John (SD) 8:52.9; 3. Kelly (Ut St) 8:56.3. 5000(b), Ahlmeyer 14:06.1;
2. Serna (Irv) 14:08.0; 3. Hunsaker (SD) 14:11.7. 10,000(a), Serna
30:13.1; 2. Hunsaker 30:18.1; 3. Langford (FS) 30:59.8.

110H(b), Cooper (SJ) 13.97; 2. Gregory (Irv) 14.23; 3. Kirtman

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All wind readings published in *TN* are in meters per second (2.0 being
the maximum allowable). Times in 100ths are automatic. Times for
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14.38. 400H(b), Hicks (SD) 51.60; 2. Finley (SJ) 51.98; 3. Starmar (UCSB) 52.20.

4 x 100(b), Long Beach State 39.90 (Berry, Pipersburg, Grace, Jackson); 2. Fresno State 40.58; 3. UCSB 41.58. 4 x 400(b), Long Beach State 3:08.5 (Conaway, Beasley, Cox, Saunders); 2. Irvine 3:08.8; 3. San Diego State 3:11.1.

HJ(b), Pritchett (SJ) 7-1; 2. Horn (FS) 6-11; 3. Ridgway (UCSB) 6-11. PV(a), Woepse (SJ) 17- $\frac{3}{4}$; 2. tie, Lawry (LB) & Pfaffenberger (FS) 16- $\frac{1}{4}$; 4. Wilson (LB) 16- $\frac{1}{4}$.

● LJ, KING 26-6 $\frac{1}{2}$ (5th performer 8th performance all-time world Junior; 4th performer, 6th performance all-time U.S. Junior); 2. Taylor (LB) 26- $\frac{1}{2}$ w; 3. Armour (SD) 25-1 $\frac{1}{2}$; 4. Cole (SJ) 24-11 $\frac{1}{4}$.

TJ(a), Livers (SJ) 54-2 $\frac{1}{2}$; 2. Taylor 53-8; 3. Halcomb (LB) 51-4 $\frac{1}{4}$. SP(b), Feuerbach (SJ) 60-6; 2. Gummerson (SJ) 57-9; 3. D. Fuller (LB) 55-7 $\frac{1}{2}$. DT(a), Binley (Irv) 180-9; 2. Fuller 177-6; 3. Endler (FS) 174-6. HT(a), Briski (SD) 195-2; 2. Kells (SJ) 186-11; 3. P. Fuller (LB) 186-4. JT(b), Dejak (SJ-Can) 223-9; 2. Eilenberger (Irv) 222-4; 3. Bendien (Ut St) 221-10. Dec(a-b), Bardales (Irv) 7485; 2. Harris (UCSB) 7104; 3. Veatch (Irv) 6756.

Teams: 1. Irvine 89; 2. Long Beach State 76; 3. San Jose State 70; 4. San Diego State 42; 5. Fresno State 26 $\frac{1}{2}$; 6. UCSB 16; 7. Utah State 15.

SCAA WOMEN'S

Santa Barbara, April 15-100, McKinley (North) 12.3. 200, Bryant (LA St) 23.5. 400, Weston (North) 55.1; 2. Rich (LA St) 55.4. 800, Brown (North) 2:11.4. 1500, Brown 4:24.7; 2. M. Keyes (CP/SLO) 4:28.2; 3. Rouda (CP/SLO) 4:28.5; 4. Costello (North) 4:29.6. 3000, tie, Brown & Kinsey (North) 10:01.4. 5000, Brown & Troffer (North) 16:54.4. 100H, Anderson (North) 14.8. 400H, Noles (UCSB) 67.8.

4 x 100, LA State 46.8. 4 x 440, LA State 3:46.9. 4 x 880, UCSB 9:50.2. SpMed, LA State 1:41.4; 2. Northridge 1:43.9.

HJ, Russell (UCSB) 5-4. LJ, Anderson 20-1; 2. Moran (North) 19-3. SP, Marshall (North) 45-10 $\frac{1}{2}$. DT, Marshall 141-0. JT, Brandt (UCSB) 138-8.

Teams: 1. Northridge 204; 2. UCSB 140; 3. LA State 96; 4. Cal Poly SLO 63; 5. Cal Poly Pomona 41.

SOUTHEASTERN CONFERENCE

Knoxville, May 12(a)-13(b)-100(-), Gance (Au) 11.06; 2. Turner (LSU) 11.08; 3. Northington (K) 11.12; 4. Lattany (G) 11.13; 5. Scott (LSU) 11.14; 6. Breeding (G) 11.15. Heats(a): I-1. Easley (Au) 10.45. II-1. Gance 10.15. III-1. Lattany 10.42; 2. Jones (T) 10.56. 200(b, -), Gance 21.56; 2. Scott 21.62; 3. Lattany 21.85; 4. Breeding 21.94; 5. Husbands (AI-Jam) 22.09; 6. Strother (Au) 22.14. Heats(a): I-1. Smith (Au) 20.76; 2. Scott 21.00. II-1. Lattany 21.01; 2. Jennings (MS) 21.30. III-1. Gance 20.59; . . . 4. Jones 21.86.

● 400(b), SMITH 45.25; 2. Jennings 45.90; 3. Gatson (AI) 46.16; 4. Coombs (AI-Jam) 46.24; 5. Blair (T) 46.28; 6. Hill (LSU) 47.05. Heats (a): I-1. Gatson 46.78, II-1. Jennings 45.95. III-1. Smith 46.43.

800(b), Young (T) 1:52.3; 2. Alexander (F) 1:52.5; 3. Peffer (Au) 1:53.1; 4. Franson (K) 1:53.1; 5. James (T) 1:53.2; 6. Abston (Au) 1:53.7. 1500(b), Maiyo (F-Ken) 3:50.0; 2. Tuttle (Au) 3:50.8; 3. Lapp (T) 3:50.9; 4. Abston 3:52.5; 5. Stubbs (MS) 3:54.0; 6. Wright (T) 3:56.0. St(a), James (T) 8:40.4; 2. Wright 8:45.7; 3. Franklin (Au) 8:56.6; 4. Dobbins (LSU) 8:59.7; 5. Bishop (AI) 9:03.8; 6. Bromberg (AI) 9:05.0.

5000(b), Bolt (AI) 14:15.3; 2. Davey (T) 14:16.0; 3. Vega (T) 14:29.6; 4. Watts (T) 14:29.4; 5. Erdal (K) 14:38.1; 6. Bourrier (AI-Can) 14:48.5. 10,000(a), Davey 29:14.5; 2. Watts 29:23.0; 3. Vega 29:26.3; 4. Bolt 29:26.4; 5. Erdal 29:27.2; 6. Bourrier 29:46.2.

110H(b), Walker (Au) 14.0; 2. Darcus (T) 14.6; 3. James (T) 14.79; 4. Boutte (LSU) 14.85; 5. Otono (MS-Nig) 14.88; 6. Butler (AI) 15.14. Heats(a): II-1. Walker 13.79. III-1. Darcus 13.93. 400H(b), Walker 51.15; 2. Otono 51.43; 3. Barlow (T) 51.76; 4. Barriffe (F-Jam) 51.99; 5. Shine (AI) 54.01; 6. Fain (G) 54.18.

4 x 100(b), Auburn 40.12 (Easley, Walker, Smith, Gance); 2. Mississippi State 40.92; 3. Georgia 41.01; 4. LSU 41.02; 5. Alabama 42.62; 6. Tennessee 44.86. 4 x 400(b), Tennessee 3:06.5 (Horne, Barlow, Harris, Blair); 2. Mississippi State 3:07.7; 3. Alabama 3:11.3; 4. Auburn 3:13.5; 5. LSU 3:13.5; 6. Florida 3:15.4.

HJ(b), Dykes (G) 7-0; 2. Woodard (AI) 7-0; 3. tie, Clapp (T) & Valentine (Au) 6-10; 5. tie, Pringle (F), Wise (AI), Brightman (F) & McCain (LSU) 6-6. PV(b), West (AI) 16-6; 2. Glackman (AI) 16-6; 3. Gundlach (T) 16-0; 4. tie, Stewart (F) & Schmidt (T) 15-6.

LJ(a), Holmes (T) 25-3; 2. Gance 24-8; 3. Easley 24-6 $\frac{1}{4}$; 4. Neal (F) 24-3 $\frac{1}{4}$; 5. Levine (AI) 23-11 $\frac{1}{4}$; 6. McCain 23-10 $\frac{1}{4}$. TJ(b), Peters (AI-Ant) 52-5 $\frac{1}{2}$; 2. Easley 51- $\frac{1}{4}$; 3. Wynn (AI) 50-8 $\frac{3}{4}$; 4. Whitney (LSU) 50-2 $\frac{1}{2}$; 5. Negbenebor (MS-Nig) 49-7 $\frac{3}{4}$; 6. Stanfield (T) 49-5 $\frac{1}{4}$.

SP(a), Luckie (F) 59-5 $\frac{1}{2}$; 2. Buchanan (AI) 58-4; 3. Will (Au) 57-7 $\frac{1}{4}$; 4. Cain (AI) 55-9 $\frac{1}{4}$; 5. Schaffstall (Au) 55-7 $\frac{1}{4}$. 6. Warren (Au) 54-3. DT (b), Genter (T) 187-2; 2. Cain 186-3; 3. Martin (AI) 181-3; 4. Luckie 178-7; 5. Van Winkle (G) 171-5; 6. Will 169-7.

JT(a), Olsen (T-Can) 265-10; 2. Boskovitch (T) 237-7; 3. Cain 228-3; 4. Nees (AI) 202-9; 5. Gawinski (T) 199-0; 6. Petty (Au) 196-7. Dec (5/11-12), Palles (MS) 7540; 2. Benedict (G) 7086; 3. Bower (T) 6978; 4. Troxclair (LSU) 6892; 5. Reilly (F) 6838; 6. Bochette (F) 6807.

Teams: 1. Tennessee 173; 2. Auburn 128; 3. Alabama 122 $\frac{3}{4}$; 4. Florida 48 $\frac{1}{4}$; 5. Mississippi State 48; 6. LSU 43; 7. Georgia 42 $\frac{1}{4}$; 8. Kentucky 14; 9. Vanderbilt $\frac{1}{4}$.

SOUTHWEST CONFERENCE

Austin, May 12(a)-13(b)-100(b), Dickey (A&M) 10.1; 2. Jones (T) 10.1; 3. Brooks (A&M) 10.2; 4. Derrett (R) 10.2; 5. Nance (H) 10.3; 6. Mouton (R) 10.6. Heats(a): I(4.0)-1. Brooks 10.28; 2. Jones 10.29; 3. Mouton 10.42. II(2.5)-1. Dickey 10.19; 2. Derrett 10.31; 3. Nance 10.38. III(3.2)-1. Doty (SMU-Can) 10.42. 200(b), Brooks 20.3; 2. Nance 20.7; 3. Mouton 20.7; 4. Derrett 20.8; 5. Jones 21.1; 6. Doty 21.2. Heats(a): I-1. Nance 20.79; 2. Doty 20.92. II-1. Brooks 20.50; 2. Jones 20.73. III-1. Derrett 20.88.

400(b), Kerr (A&M) 45.71; 2. Williams (A&M) 46.55; 3. Clarke (B) 46.79; 4. Pittman (A&M) 46.99; 5. Baldwin (Rice) 47.7; 6. Schnelle (R) 48.0. . . dnc-Brown (H). Heats(a): I-1. Williams 46.75. II-1. Kerr 46.31. III-1. Pittman 46.74.

800(b), Collins (B) 1:50.4; 2. Wheeler (A&M-S Afr) 1:50.6; 3. Vogt (A&M) 1:50.6; 4. Hyman (H) 1:51.2; 5. Taliaferro (T) 1:51.4; 6. Clark (A) 2:01.2; . . . disq-Gingrich (R) 1:49.8. 1500(b), Harbour (B) 3:42.5; 2. Clark 3:42.6; 3. Cardinal (SMU) 3:48.0; 4. Ruud (B-Swe) 3:48.1; 5. Burley (T) 3:50.3; 6. McCormick (TT) 3:50.4; 7. Novelli (R) 3:53.7. 5000(b), Novelli 13:57.1; 2. Baker (A) 13:59.5; 3. Anderson (A) 14:05.5; 4. Kohrs (A&M-S Afr) 14:14.4; 5. Adam (B) 14:15.0; 6. Froelick (R) 14:15.3.

110H(b, 1.8), King (R) 14.00; 2. Duncan (B) 14.09; 3. Mosley (A&M) 14.13; 4. Matthews (TCU) 14.26; 5. Isaiah (R) 14.27; 6. Busch (A/M) 14.28. 400H(b), James (R) 51.42; 2. Thomas (R) 51.49; 3. Studstill (T) 51.65; 4. Isaiah 51.9; 5. Waggoner (SMU) 52.07; 6. Kirk (T) 52.5.

● 4 x 100(b), TEXAS A&M 39.54 (Butler, Brooks, Kerr, Dickey); 2. Texas 40.09; 3. Baylor 40.34; 4. Rice 40.35; 5. Houston 40.58; 6. Texas Tech 40.88.

4 x 400(b), Texas A&M 3:06.2 (Figs, Pittman, Williams, Kerr); 2. Baylor 3:06.7; 3. Arkansas 3:09.7; 4. Texas 3:09.9; 5. Rice 3:10.5; 6. Houston 3:15.4.

HJ(b), McAlister (SMU) 6-9; 2. Roberson (SMU) 6-9; 3. Huseth (SMU) 6-9; 4. tie, Wimberly (B) & Stone (TT) 6-7; 6. Davenport (T) 6-7.

PV(b), Hall (A&M) 16-10½; 2. Ruehle (A&M) 16-0; 3. Dames (H) 16-0; 4. Lankford (H) 15-6; 5. Burleson (B) 15-0; 6. Feik (A) 15-0.

LJ(a), Perry (SMU) 25-9½; 2. MacAndrew (TT-Can) 24-10; 3. Mosley 24-¼; 4. McKee (B) 23-11; 5. Taylor (R) 23-7½; 6. Moore (T) 23-6¾.

SP(b), Coffman (H) 60-5½; 2. Baughman (H) 58-5½; 3. Robinson (T) 58-3½; 4. Chew (H) 57-1; 5. Waldman (SMU) 55-7½; 6. Mocek (TT) 54-2¾. DT(a), Baughman 199-0; 2. Scott (A&M) 188-8; 3. Gray (SMU-Can) 188-2; 4. Chew 182-6; 5. Robinson 176-11; 6. Stewart (A&M) 171-10. JT(a), Heieren (B-Nor) 247-11; 2. Moulder (B) 241-2; 3. Lyons (T) 236-10; 4. Erwin (SMU) 227-6; 5. Giltner (H) 222-3; 6. Jeffrey (B) 212-5.

Teams: 1. Texas A&M 126; 2. Baylor 82; 3. Rice 71; 4. Houston 65; 5. SMU 55; 6. Texas 49; 7. Arkansas 30; 8. Texas Tech 14; 9. TCU 4.

AIAW INTERMOUNTAIN

Tempe, May 12(a)-13(b)-100(b), Calhoun (Az St) 11.4; 2. Brady (Az St) 11.4; 3. Crawford (Az St) 11.9; 4. Boyer (Az St) 11.9; 5. Carson (Az St) 12.0. 200(b), Calhoun 23.7; 2. Boyer 24.0. 400(b), Mailey (Az St) 54.6; 2. Ford (Az St) 57.0.

800(b), Vigil (NM) 2:07.2; 2. Ashby (NM) 2:07.9; 3. Pearson (UTEP-Can) 2:07.9; 4. Happy (BYU) 2:09.2. 1500(b), Pearson 4:18.8; 2. Hansen (Az) 4:32.6. 3000(b), Adams (Co St) 10:05.3; 2. Reiman (Co St) 10:06.1. 5000(a), Hansen 17:35.0; 2. Wipf (Ut St) 17:38.1.

● 100H(b), BRADY 13.3; 2. Calhoun 13.3; 3. Zambryzcki (BYU-Brz) 14.1; 4. Carson 14.2. Heats(a): I-1. Calhoun 13.83. II-1. Brady 13.92; 2. Zambryzcki 14.09. 400H(b), Waddy (Az St) 60.3; 2. Lewis (Az St) 61.4.

4 x 100(b), Arizona State 46.2; 2. BYU 48.1. 4 x 440(b), Arizona State 3:50.3; 2. BYU 3:55.6. 4 x 880(b), Colorado State 9:18.0; 2. Northern Colorado 9:19.5. SpMed(a), Arizona State 1:42.0; 2. New Mexico 1:47.0.

HJ(a), Donithan (Az St) 5-9; 2. Zambryzcki 5-9. LJ(b), Carson 20-7; 2. Zambryzcki 19-10; 3. Greaves (Az St) 19-5. SP(a), Smit (UTEP-Hol) 49-10½; 2. Stalman (UTEP-Hol) 46-3¾. DT(b), Stalman 175-5; 2. Cart (Az St) 153-7. JT(b), Wilkinson (Az St) 162-7; 2. Hirschinger (Ut St) 144-6.

● Pent(a+b), COLLINS (Az St) 4243 (2nd performer, 4th performance all-time U.S.; superior to CR, but voided by hand timing) (14.5, 44-1¼,

5-9, 19-3¼, 2:21.7); 2. West (Co) 3860; 3. Malloy (Co St) 3849; 4. Estes (BYU) 3615.

Teams: 1. Arizona State 208; 2. Colorado State 83; 3. Brigham Young 78; 4. UTEP 68; 5. Northern Colorado 41.

C C A A

Bakersfield, Ca., May 12(a)-13(b)-100(b), James (N) 10.2; 2. Brodi (N) 10.2; 3. Turner (LA) 10.3; 4. Carr (LA) 10.3; 5. Siai Siai (CP-Nig) 10.5. 200(b), Williams (CP) 20.5; 2. Siai Siai 20.6; 3. James 20.6. Heats(a): Williams 20.8. 400(b), Williams 46.1; 2. Peete (LA) 46.3; 3. Miller (LA) 46.5.

800(b), Marlow (CP) 1:50.2. 1500(b), Aldridge (CP) 3:47.4. St(b), Brenneman (N) 9:05.3. 5000(b), Schankel (CP) 14:34.7. 10,000(a), Schankel 30:13.6.

110H(b), Hart (LA) 13.6; 2. Siai Siai 14.0. 400H(b), Turner 50.5. 4 x 100(b), Cal Poly/SLO 40.4. 4 x 400(b), Cal Poly/SLO 3:11.5 (Williams 45.6).

HJ(b), George (LA) 6-10¼. PV(b), Eskola (LA-Fin) 17-¾. LJ(b), Robinson (LA) 24-1¼. TJ(a), Tate (CP) 49-7. SP(b), Toma (CP) 54-1½. DT(a), McCauley (N) 163-5. HT(a), Brunner (CP) 165-6. JT(b), Finke (N) 212-10. Dec(5/11-12), Alford (LA) 6982.

Teams: 1. Cal Poly/San Luis Obispo 115; 2. Los Angeles State 90; 3. Northridge State 79; 4. Bakersfield State 29; 5. Cal Poly/Pomona 21.

FAR WESTERN CONFERENCE

Davis, Ca., May 12-13-100, Smith (Sac) 10.7. 200, Smith 21.9. 400, Nelson (Stan) 48.8. 800, Arnerich (Hay) 1:52.6. 1500, Hammer (Hum) 3:53.8. St, Heide (Hum) 9:05.1. 5000, Quintana (Hay) 14:28.7. 10,000, Emry (Davis) 30:57.3. 110H, Thurman (SF) 14.6. 400H, Swift (Stan) 53.3. 4 x 100, Hayward State 41.7. 4 x 400, Stanislaus 3:16.8.

HJ, Haber (Hay) 7-1. PV, Olson (Hay) 15-4¼. LJ, Garner (Hay) 23-7. TJ, Garner 49-11¼. SP, Doll (Hay) 59-5. DT, Williams (Hay) 166-0. HT, Sawyer (Hay) 199-6. JT, Mosbacher (Chico) 190-7. Dec, Scruggs (Davis) 6309.

Teams: 1. Hayward State 227; 2. UC Davis 108; 3. Stanislaus 86.

OTHER U.S. RESULTS

MASSACHUSETTS

Greater Boston Championships, Boston, April 30-HT, Lenz (Harv) 191-8; 2. McDevitt (Harv) 187-2; 3. Christian (Bost C) 184-6; 4. Ajootian (Harv) 178-7.

New England Women's Intercollegiates, Springfield, May 13-Mile, Elliman (Hamp C) 4:57.3.

● SP, TURBYNE (Me) 51-2½ (10th performer all-time U.S.); 2. Burke (NE) 46-5½; 3. Smith (Spring-Bah) 44-4.

PENNSYLVANIA

Pitt Invitational, Pittsburgh, May 13-100, Hicks (Oh St) 10.6. 200, Austin (E Car) 21.3. 400, Curry (Hag JC) 47.5. 1500, Wyatt (Penn St) 3:45.9. St, Liddell (Pur) 8:59.4. 5000, Snyder (Penn St) 13:56.2; 2. East (All CC-GB) 13:56.8. 10,000, Hunter (Cleve St) 29:23.9; 2. Ziegler (Penn St) 29:24.6. 110H, Cammack (Pur) 13.9. 400H, Lankford (Penn St) 51.7. 4 x 100, Ohio State 40.5.

HJ, Goodyear (Pitt) 6-11. LJ, McCoy (Hag JC) 24-8½. DT, Currie (In St) 183-10.

FLORIDA

Florida TC Twilight, Gainesville, May 11-Mile, Liquori (AA) 4:01.3; 2. Foster (AA) 4:03.3. SP, Price (TBTC) 65-1¼.

KENTUCKY

Tri, Morehead, May 6-880, Schaeffer (En Ky) 2:18.7. ● 3M, SCHAEFFER 15:57.3 (6th performer all-time U.S.).

LOUISIANA

Meet of Champions, Monroe, May 6-200, Myricks (Ms C) 20.8; 2. Minter (NE La) 21.1. LJ, Myricks 24-11.

OHIO

Ohio State 91-Kent State 62-Ohio U 53, Athens, May 5-110H(w), Oliver (OS) 13.7; 2. Heffner (KS) 13.7. HT, Willis (KS) 185-7; 2. Breidenbach (KS) 185-4.

INDIANA

Billy Hayes Invitational, Bloomington, May 13-800, Marsh (Ball St) 1:50.7. 1500, Weaver (En Mi) 3:46.0; . . . 3. Byers (Oh TC) 3:50.0. St, Fischer (UCTC) 8:58.1. 5000, Duits (Wn Mi) 14:06.8. 110H, Johnson (En Il) 14.0; 2. Taylor (Ar St) 14.2.

HJ, Kealing (In) 6-10. PV, Crites (In TC) 16-6¼; 2. Kimball (In TC) 16-¼; 3. Pintus (Ar St) 16-¼. LJ, Cannon (In) 24-9½; 2. Cobb (In TC) 24-8¼. TJ, Howard (A Peay) 51-4; 2. Cannon (In) 51-½. SP, Braun (Wi) 58-2¼. Dec(5/12-13), Adama (In TC) 7232 (6-10).

ILLINOIS

Illinois State Women's Invitational, Normal, May 6-100H(w), Harris (Wn Ky) 13.8.

MICHIGAN

Wolverine Invitational, Ann Arbor, May 13-4 x 440, Eastern Michigan 3:09.8; 2. Michigan 3:09.9.

IOWA

Iowa State 82-Northern Iowa 72, Ames, May 6-400, Korir (IS-Ken) 47.8. SP, Kurtmeyer (IS) 59-¼. DT, Geringer (NI) 185-4.

KANSAS

Kansas 88-Kansas State 65, Manhattan, May 8-PV, Scales (K) 16-6. JT, Perbeck (KS) 262-3.

OKLAHOMA

Oklahoma 79-Oklahoma State 75, Stillwater, May 4-100, Shavers (OS) 10.3. 200, Shavers 21.0. 400, Snoddy (O) 47.4. 1500, Wilson (O) 3:52.8. 110H, Kelley (OS) 13.7. 4 x 440, Oklahoma 3:13.0.

ARIZONA

Valle del Sol Women, Tempe, April 16-LJ, Keating (Az HS) 19-8½. DT, Svendsen (Quest) 161-3.

WASHINGTON

HS Women's, Bellevue, May 4-Mile, Coleman (Wa HS) 4:42.6 (3rd performer all-time HS).

HS Women's, Bellevue, May 5-HJ, Crosgrove (Wa HS) 5-10½ (=9th performer all-time HS).

Washington Twilight, Seattle, May 5.

TEXAS

Southwest Collegiate, Waco, May 5-HJ, Wimberly (Bay) 7-0. LJ(w), Perry (SMU) 25-5½.

WAC, El Paso, May 5-800, Heats: II-1. Lemashon 1:48.3. St, 3. Cabinallas 8:57.8.

Houston Baptist Meet of Champions, Houston, May 6-100(-),

Stagg (Lamar) 10.6. 200, Holmes (Lamar) 21.1. 400, R. Taylor (PPC) 45.6; 2. J. Taylor (Tx Sn-brothers) 46.4; 3. Hunt (PV) 46.9. 800, Newman (Hur-Jam) 1:48.8; 2. Webster (Tx Sn-Jam) 1:49.9. 5000, Gray (Hurr) 14:39.2 (Hilton ran 4:23.5 first mile, dropped out after 6 laps). 110H(-), Coffman (Hurr) 14.1. 400H, Baldwin (Tx Sn) 51.6; 2. Peters (McNeese) 51.9. 4 x 100, Lamar 40.6. 4 x 440, Lamar 3:09.9 (Stagg 46.9); 2. Houston 3:10.1 (Nance 46.1).

PV, Olson (Ab Ch) 17-6; 2. Mooers (Hurr) 17-0; 3. Hems (unat) 16-6; 4. Dames (Hous) 16-6. SP, Stuart (UCTC) 62-9½; 2. Walker (Hurr) 61-9; 3. Coffman (Hous) 60-6; 4. Baughman (Hous) 59-9½. DT, Baughman 188-6; 2. Chew (Hous) 180-6.

CALIFORNIA

Ventura Relays, Ventura, April 22-PV, Curran (Ca HS) 17-4¼ (2nd performer, performance all-time HS).

Arcadia Invitational, Arcadia, April 28-Women: 100, Brisco (Ca HS) 11.57 (=5th performer all-time HS); 2. Marshall (Ca HS) 11.78. 200, Brisco 23.77 (4th performer all-time HS); 2. Marshall 23.82. 400, Brisco 53.70 (7th performer all-time HS). LJ, Loud (Ca HS) 20-4¼.

San Jose Invitational, San Jose, April 29-100, 4. Krulee 10.3. 800, Robinson 1:50.3. 400H, 2. Williams 51.0.

West Coast Relays, Fresno, May 6-100, Heats: I(2.59)-1. Banks (Or) 10.45. II(2.68)-1. Hart 10.36. III(3.18)-1. Farmer 10.34; 2. Andrews 10.37; 3. McCoy (AIA) 10.43. 110H, Heats: II(4.2)-1. Siai Siai 13.99. College 100, Heats(5/5): I(5.9)-1. Carr (LA St) 10.45. JC 100, Heats: I(2.46)-1. Gardner (Full) 10.44.

NAIA District 3, La Mirada, May 6-HJ, Weeks (Cal Luth) 7-2.

Golden State Women's Conference, Chico, May 13-100, Nickson (Hay St) 11.8. 200, Nickson 23.4; 2. Winlock (Hay St) 24.3. 400, Winlock 54.9. 1500, Craven (Hum St) 4:45.0. JT, Sulinski (Hay St) 171-0. Teams: 1. Hayward State 157; 2. Chico State 133.

SPAAAU, Westwood, May 14/hot/-100(0.3), Williams (Sn Cal) 10.63. 200(0.6), Krulee (SD St) 21.36; . . . dnf-B. Brown (AIA) (pulled). 400, T. Andrews (Tob) 46.99; 2. Enyeart (PCC) 47.19. 800, Won (Tai) 1:49.1; 2. Omwansa (Sn Cal-Ken) 1:49.1. 1500, Arriola (Macc) 3:45.3; 2. Cooley (unat) 3:45.7; 3. Williams (UCLA-GB) 3:46.0.

St, Hwang (Tai) 9:02.8. 5000, Vernon (SMTTC) 14:23.1. 10,000, Romesser (FPTC) 29:33.3; 2. Shoots (Az) 29:34.0. 110H(0.8), Florant (ICAC) 14.18. 400H, I-1. Andrews 50.5; 2. Webster (PCC) 51.1; 3. Casleman (PCC) 51.3. II-1. M. Lee (USN) 51.52.

HJ, Smith (Pas CC) 6-10. PV, Brown (UCLA) 17-6 PR. LJ, Whitley (Macc) 24-11½. TJ, Jackson (Sn Cal) 50-6½. SP, Dolegiewicz (Can) 64-7; 2. Marks (WVTC) 62-9½; 3. Gordien (unat) 60-½; 4. McKenzie (Sn Cal) 58-5. DT, Plucknett (WVTC) 201-8; 2. Gordien 196-8; 3. Gardner (Macc) 194-3; 4. Dolegiewicz 190-0; 5. D. Fuller (LB St) 180-7; 6. Kurrasch (Sn Cal) 180-2. JT, U. Paananen (Sn Cal-Fin) 241-4; 2. Kennedy (Stars) 239-10. HT, Galle (Macc) 204-2.

Women: 100(-1.6), Anderson (North) 11.83; 2. Douglas (Sn Cal) 11.87. 200(1.0), Rich (LA St) 24.13. 400, Weston (North) 54.27.

800, Heald (SFVTC) 2:05.0; 2. Romesser (North) 2:05.7; 3. Emerson (Ca HS) 2:07.6; 4. Jenkins (LB Com) 2:08.2. 1500, Kinsey (LAN) 4:26.2; 2. Denz (Ca HS) 4:27.2. 3000m, Keyes (UCLA) 9:32.4; 2. Bridges (Ok St) 9:44.6; 3. Broderick (UCLA) 9:46.0.

HJ, Remmling (UCLA) 5-10; 2. Gilbert (UCLA) 5-7. LJ, Anderson 21-0 (20-7, 20-1, 20-6½, 21-0, 20-11, 15-8¼); 2. Walker (LB St) 19-9½; 3. Watson (Lake) 19-8¼; 4. Keating (Az HS) 19-3¼.

• SP, FREDERICK (LAN) 53-1 (=5th performer all-time US) (51-6½ PR, 53-1, 49-0, 51-4½, 50-2, f); 2. Dole (LB St) 49-9½; 3. Marshall (North) 46-10½.

DT, Marshall 164-3; 2. Vogelsang (Macc) 157-8. JT, Dietrich (SD St) 154-10; 2. Nelson (unat) 152-4; 3. Brandt (UCSB) 151-11.

100H(2.5), McMillin (Sn Cal) 13.71; 2. Anderson 13.74; 3. Shmock (Lake) 14.22. 400H, Niehues (SD St) 64.12.

PREP HIGHLIGHTS

SPRINTS: The winds of Texas give illegal assistance to Mitchell Bennett (Bonham) during a 9.2 district race, to Eference Murphy (Texas, Texarkana) in a 20.8 effort and Wayne Johnson (Richardson) in a 21.0 race. The half-laps were both heat efforts.

John Hinson (Killian, Miami) hit 21.1 in his district, while junior Morris Cole (Garey, Pomona, Ca) sped 21.1 in his section prelim. Clockings of 21.2 were turned in by Michael Cooper (Woodlawn, Baton Rouge, La) in his district and by Willie Curran (Crespi, Encino, Ca) in his league.

MIDDLE DISTANCES: The Centennial Invitational in Gresham, Oregon, produced the season's feature mile race. Chris Lattig (Central Catholic, Portland) won in 4:09.7, while South Salem teammates Jeff Hildebrandt and Clancy Devery timed 4:10.5 and 4:10.7. Prep marathon record holder Devery also took the 2M with 9:12.6.

Tom Graves (Sandburg, Orland, Park, Il) opened his outdoor season with a good 4:12.2/8:52.2 double at the Palatine Relays.

In the half, Bill Bryan (Lufkin, Tx) clocked 1:52.7 at district, but then in quick succession, Kenny Schmidt (Austin, El Paso) ran 1:52.0 at regional, Dwayne Janz (Dallas, Or) clocked 1:52.1 in a dual and John Schaer (Crescent Valley, Corvallis) ran 1:51.3m for 3rd in the Oregon Twilight meet.

DISTANCES: Alan Scharsu (Fitch, Austintown, Oh) began to unwind outdoors with an 8:53.5 2M effort. Mark Whalley (Principia, St Louis) took the national 6M lead with his 29:40.6.

HURDLES: Orlando McDaniel (Lake Charles, La) recently ran a second 13.5, another 13.6, 13.7 and an 18.7 in recent weeks. Martin Lawson (Central Lafourche, Mathews, La) clocked a windy 13.6 at the Trojan Relays and then windy 13.7 and 18.4 efforts at his regional.

Over the 330 intermediates, Dwayne Vaughn (Pinson Valley, Pinson, Al) clocked 37.0 at state, the same clocking turned in by Richard Buck (Palo Duro, Amarillo, Tx) in his regional. Rodney Gross (Jefferson, Tx) clocked 37.5 at district.

RELAYS: Lake Charles (La) has been running amok: 41.7, 1:26.3 and 3:16.2 at Lafayette, then 41.3 and 1:25.6 (3rd-best ever) at district. Then at regional, the team took 0.2 off the national record with a 1:24.8 clocking, besting the year-old clocking of Bethel (Hampton, Va). Lake Charles has also run 3:15.0.

In other district meets, Bonham (Tx) clocked 41.0, Killian (Miami) 41.2 and Madison (Dallas) 41.5. Then Killeen (Tx) moved to =6th all-time with a 40.9, possibly in a regional heat but details are lacking.

Leesville (La) has sped 1:26.0. Jones (Houston) ran 3:12.6m at regional and then 3:15.6 at the Houston Meet of Champions. First Colonial (Virginia Beach, Va) clocked 41.6 and 1:26.8 at the 3A Relays in Virginia Beach.

At the New York Relays, Hempstead clocked 7:47.4 for 2M, while St Anthony's (Smithtown) took another distance medley title in 10:11.5. A 10:18.5 gave White Plains 2nd ahead of the 10:19.0 for 3rd-placer Whitman (Huntington Station).

Willingboro (NJ) skipped to =5th all-time with its 58.7 HHR at the Woodbury Relays. Coronado (Scottsdale) set an Arizona state record over 4M with his 17:35.9 at the Mesa Tribune Relays, while Bergen Catholic (Oradell, NJ) ran 17:50.0 at the NJCTC Relays.

JUMPS: Gail Olson (Sycamore, Il) placed 2nd at 7-2 in the Pepsi Invitational at UCLA. Several new 7-footers include Larry Flock (McCook, Ne) at the Lexington Invitational, junior Don Jones (Nacogdoches, Tx) at district, Ricky Thompson (Jones, Houston) at regional and James Aggers (Rayburn, Houston) at the Houston Meet of Champions (ahead of the 6-11 by Jimmy Howard of Alvin).

Anthony Curran (Crespi, Encino, Ca) topped 17- $\frac{3}{4}$ for the 4th performance all-time at his league meet and followed with a 16-6 at Pepsi. Greg Ernst (El Dorado, Placentia, Ca) topped 16-6 in his league meet and

then scaled 16-5 in his section prelims. Jeff Buckingham (Gardner, Ks, topped 16-5 at the Shawnee Mission North Relays and then 16-6 $\frac{1}{4}$ a week later (meet unknown). Bert Tardieu (Del Mar, San Jose) cleared 16-1 $\frac{3}{4}$ at the West Coast Relays.

Julius Meekings (Pembroke, NC) long leaped 24-7, Johnny Johnson (Tarboro, NC) has reached 24-4 and has tripled 49-7 in 3 different meets. Wind helped Willie Houston (Mt Pleasant, Tx) to a 24-10 regional effort and Lonnie Sanders (Grant, Sacramento) to 49-5 $\frac{1}{4}$ at the Woodland Invitational. Junior Johnny Hector (New Iberia, La) jumped 24-6 $\frac{1}{4}$ (no wind data) at regional.

THROWS: Mike Carter (Jefferson, Dallas) is back in the groove. He hit 70-7 and 191-11 at district and then 70-10 (and a downhill 190-10) at regional. That 70-10 is the No. 8 performance ever.

Jerry Ross (Kimball, Dallas) reached 66-1 at district and then 67-9 $\frac{1}{2}$ behind Carter at regional. Carlos Scott (Waller, Tx) hit 65-6 $\frac{1}{2}$ at district, 66-2 at regional and then 66-7 $\frac{1}{4}$ and 186-9 at the Houston Meet of Champions. Mike Lehmann (Oak Lawn, Il) has improved to 64-4 $\frac{1}{2}$.

The discus remains a hot item. Record setter Scoot Crowell (Mason City, Ia) hit 194-11 at the Dodger Relays. Mike Call (Fairview, Boulder) set a Colorado state record with this 197-6 at the Lobo Invitational. Kerry Adkisson (Lake Dallas, Tx) hit 195-11 at regional. Scott Lofquist (Shawnee Mission South, Overland Park, Ks) whirled 194-11 at the Shawnee Mission North Relays, while ever-consistent Sean Farrell (Westhampton Beach, NY) produced dual meet efforts of 194-0 and 192-9 and then 194-9 at the Nassau Coaches Invitational.

PENN RELAYS

Philadelphia, April 27-29—Mile, Caton (Woodbury, NJ) 4:13.9; 2. Cleary (Fordham, Bronx) 4:14.0; 3. Sanders (Freeport, NY) 4:14.1. 2M, Sheely (Kenwood, Baltimore) 9:06.2; 2. Manzy (Williams, Alexandria, Va) 9:07.4.

4 x 100, Westfield, NJ 42.1; 2. Central, Philadelphia 42.4.

- 4 x 400, CENTRAL, TRENTON, NJ 3:13.1 (Gore 49.8, Singletary 47.2, McKithen 48.2, Jeffress 47.9); 2. Central, Philadelphia 3:17.2. Heats: Central 3:12.2 (=9th performance all-time) (Gore 49.8, Singletary 47.0, McKithen 46.2, Jeffress 47.1).

4 x 800, Central, Trenton 7:49.8. Heats: Hempstead, NY 7:47.7, Boys & Girls, Brooklyn 7:47.8, Central 7:39.5 (McKithen 1:51.8).

- DisMed(400, 800, 1200, 1600), St. Anthony's, Smithtown, NY 10:02.5 (6th performance all-time HS) (Murphy 1:58.1, Higgins 49.5, Leary 3:08.4, Gregorek 4:06.5); 2. Central 10:05.8; 3. Bergen Catholic, Oradell, NJ 10:07.4; 4. Bernards, Bernardsville, NJ 10:07.9; 5. Abington, Pa 10:08.2; 6. Mt. St. Michael, Bronx 10:09.0.

HJ, Goode (Monmouth, New Shrewbury, NJ) 7-0; 2. Thompson (Malverne, NY) 6-10. PV, Johnson (Arlington, Poughkeepsie, NY) 15-0.

- TJ, OWOLABI (Sleepy Hollow, North Tarrytown, NY) 52-2 $\frac{1}{4}$ (3rd performer, performance all-time HS) (f, 49-7, 51-1, 51-5, 51-10, 52-2 $\frac{1}{4}$); 2. Spry (Old Mill, Glen Burnie, Md).
- SP, Joyce (Gaithersburg, Md) 60-6.

- Women: Mile, Clark (Columbia, Maplewood, NJ) 5:04.4. 2M, White (State College, Pa) 10:15.5 (3rd performer all-time HS); 2. O' Connor (High Point, Beltsville, Md) 10:17.3 (4th performer all-time HS). Open 3000, 2. Oehm (Winchester, Ma) 9:43.0 (10th performer all-time HS).

- 4 x 100, Woodson, Washington, DC 48.41. Heats: King, Philadelphia 47.8. 4 x 400, II-1. Lincoln, Jersey City 3:52.2 (5th performance all-time HS). III-1. Tech, Brooklyn 3:53.1. IV-1. Columbia, Maplewood, NJ

3:52.8.

4 x 800 1-1. East Roosevelt, Greenbelt, Md 9:22.9 (2nd performance all-time HS); 2. Tech, Brooklyn 9:24.9 (3rd performance all-time HS).
11-1. Penn, Philadelphia 9:25.9.

PREP RECORD PROGRESSION

Several of you have asked what happened to the listing of the progression

of high school records, which we began earlier this year (we made it to the 3M). Well, we hadn't realized just how many people had taken a deep interest in this subject, independent of our research. The amendments quickly began flowing in. Not only on the events we had already covered, but also on upcoming events. Therefore, we decided that it would be best if curtailed the series until we had incorporated all the changes which have cropped up. Then, we will start the whole thing over again.

1978 PREP LEADERS

*=new leader since the last report.

MEN

100y	9.5	LaNoris Marshall (Dysart, Peoria, Az)
100m	10.33	LaNoris Marshall (Dysart, Peoria, Az)
200m	21.16	LaNoris Marshall (Dysart, Peoria, Az)
220y	21.0	LaNoris Marshall (Dysart, Peoria, Az)
400m	47.05	Rod Bethany (Fontana, Ca)
440y	47.33	Jody Jimerson (Norman, Ok)
800m	1:51.3	John Schaer (Crescent Valley, Corvallis, Or) *
880y	1:52.0	Kenny Schmidt (Austin, El Paso) *
1500m	3:51.5	Mike O'Reilly (San Rafael, Ca)
Mile	4:09.7	Chris Latting (Central Cath, Portland, Or) *
3000m	8:18.4i	Alan Scharu (Fitch, Austintown, Oh)
2M	8:52.2	Tom Graves (Sandburg, Orland Park, Il) *
St	9:31.6	Kenny Clark (Rockledge, Fl)
3M	14:23.1	Kenny Clark (Rockledge, Fl)
6M	29:40.6	Mark Whalley (Principia, St Louis) *
10,000m	30:19.4	*Chuck Assumma (Eisenhower, Rialto, Ca)
120H	13.5	Orlando McDaniel (Lake Charles, La)
	13.5	Jason Charles (Lake Charles, La)
330IH	36.7	Anthony Ruben (Ball, Galveston)
300mLH	36.15	Willie Curran (Crespi, Encino, Ca)
4 x 110	40.9	Killeen, Texas *
4 x 220	1:24.8	Lake Charles, Louisiana *
4 x 400	3:12.2	Central, Trenton, NJ
4 x 800	7:39.5	Central, Trenton, NJ
4 x mile	17:35.3	Mission San Jose, Fremont, Ca
SpMed	3:29.2	Jefferson, Richmond, Va
DMed	10:02.5m	St. Anthony's, Smithtown, NY *
HHR	58.7	Willingboro, NJ *
HJ	7-5i	Gail Olson (Sycamore, Il)

PV	17-4½
LJ	24-11½
TJ	52-2¾
SP	71-1½
DT	207-8
HT	184-3
JT	231-1

Anthony Curran (Crespi, Encino, Ca)
Dokie Williams (El Camino, Oceanside, Ca)
Sanya Owolabi (SH, N Tarrytown, NY)
*Mike Carter (Jefferson, Dallas)
Scott Crowell (Mason City, Ia)
Gary Hunt (Woonsocket, RI)
Gray Barrow (University, Baton Rouge)

WOMEN

100y	10.5	Robbin Coleman (Pollard, Beaumont, Tx) *
100m	11.57	Valerie Brisco (Locke, LA)
200m	23.77	Valerie Brisco (Locke, LA)
400m	53.4	Robbin Coleman (Pollard, Beaumont, Tx) *
800m	2:05.6	**Deanna Coleman (Issaquah, Wa)
1500m	4:18.9i	Lynn Jennings (Bromfield, Harvard, Ma)
Mile	4:39.0i	Lynn Jennings (Bromfield, Harvard, Ma)
3000m	9:42.9i	Lynn Jennings (Bromfield, Harvard, Ma)
2M	10:10.5i	Lynn Jennings (Bromfield, Harvard, Ma)
5000m	16:44.9	Irene Griffith (Port Townsend, Wa)
110yH	13.9	Kris Costello (Lynbrook, San Jose) *
400H	59.8	**Sandra Farmer (Barton, Brooklyn)
4 x 110	47.4	Crawford, San Diego
4 x 220	1:41.6	Houston, Texas *
4 x 400	3:52.2	Lincoln, Jersey City
4 x 800	9:22.9	East Roosevelt, Greenbelt, Md
DisMed	12:21.0	Santa Barbara, Ca
HJ	5-10½i	Anne Gilliland (Del Norte, Albuquerque)
LJ	20-4¾	Gwen Loud (Westchester, LA) *
SP	52-3	Jackie Nelson (Canyon, Anaheim) *
DT	154-6	Christi Pyle (Hoover, Glendale, Ca) *
JT	152-11	***Rena Antanelis (Ran Township, NJ) *

AROUND THE WORLD

SOVIET UNION

National Indoor Championships, Moscow, March 1-3—10,000 Walk, Yevsyukov 40:24.0 WB (old WB, 40:51.6 [outdoors] Bautista [Mex] '76); 2. Solomin 40:28.6; 3. Matveyev 40:45.4.

ITALY

U. S.-Europe—4 x 400, U. S. (Shine, Frazier, Taylor, Vinson).

WEST GERMANY

Salzgitter, April 9—50k Walk, Weidner 4:08:14; 2. Degener 4:10:20. Melsungen, April 22—DT, Wagner 211-11. Stuttgart, April 30—Women: JT, Helmschmidt 210-2.

FRANCE

Colombes, April 23—20k Walk, Lelievre 1:25:35. Paris, May 3 /competition held under Eiffel Tower; attendance —10,000—PV, Kozakiewicz (Pol) 18-½ (tried 18-10½); 2. Houvion 17-4%; 3. tie, Abada & Slusarski (Pol) 17-¾; . . . nh—[16-5] Tully (UCLA).

PORTUGAL

National 10,000 Championship, Lisbon, April 22-23—Simmons (GB) 28:16.0; 2. Lopes 28:21.0 (first track race in 9 months); 3. Mamede 28:39.6 (3:38.0 1500 man).

Lisbon, April 30 /cold, heavy rain, strong winds—PV, Houvion (Fr) 16-5; 2. Buciariski (Pol) 16-5.

Women: 1500, Shtereva (Bul) 4:28.5; 2. Cunha 4:30.1 NR. DT, Veleva (SU) 212-3.

SOUTH AFRICA

Germiston, March 10—110H, Spies 13.5 =NR

National Championships, Germiston, April 7(a)-8(b) /5700-foot altitude—200(b, w), Zaayman 20.4; 2. Essmann 20.5. 110H(a), Spies 13.6 (13.53 auto in heats). DT(a), Van Reenen 190-9. HT(a), Barnard 238-2. JT(b), H. Potgieter 244-9.

Women: 200(a), van Onselen 23.5; . . . 3. Z. Potgieter 24.0 (age 14). 100H(b), van Rensburg 13.3. 400H(b), Verster 57.3 AfrR. 4 x 400, North Transvaal 3:36.3 (van Zyl, Eloff, van Onselen, van Staden). LJ(b), van Niekerk 21-6¼w (20-9%).

Stellenbosch, April 24—1500, Gericke 3:42.8 (age 17). 5000, Motshwarate 13:29.6 NR; 2. Bonzet 13:31.7. DT, Van Reenen 198-8. JT, Potgieter 273-11.

Stellenbosch, April 24—10,000, Batswadi 28:20.8. JT, Potgieter 275-6.

Women: 800, Eloff 2:03.3; 2. van Zyl 2:03.5 (age 16). 3000, Laxton 9:09.0 NR.

Colgate Prestige Meet, Welkom, April 7-8 /4200-foot altitude—10,000, Batswadi 28:56.2 (5th 10,000 in 21 days). 400H, Smith 50.13. Women: 100H, van Rensburg 13.44. 400H, Verster 59.86.

100 Minutes Meet, Pretoria, May 1 /5000-foot altitude—200, Colin 20.66; 2. Zaayman 20.76.

National Junior Championships, April—200, Zaayman 20.63.

PUERTO RICO

Harvard-Mayaguez, Mayaguez, March 30—HT, Lenz (H) 186-7; 2. Ajoitian (H) 185-0.

CUBA

Havana, March 11-12—100, Lara 10.1. TJ, Platt 54-9; 2. Velasquez 54-2; 3. Perez 53-7%.

Women: 100H, Machado 13.3 NR.

CANADA

Vancouver Relays, Vancouver, May 6—Women: HJ, Spencer (Sea Pac) 5-10; 2. Garrison (Wa) 5-9. SP, Mecklenburg (Sea Pac) 48-5; DT, Griffin (Sea Pac) 169-1; 2. Hansen (Sea Pac) 168-11.

JAPAN

Mainichi Marathon, Ohtsu, April 16—T. Sou 2:15:15; 2. Sato 2:16:01; 3. S. Sou 2:17:13.

TAIWAN

Taipei, April 15-16 /4/15 results available only—400, Eneyart (PCC) 46.5. 110H, Moses (AIA) 13.9. PV, Ripley (PCC) 16-1 (on soft, borrowed pole).

Women: 1500, Larrieu (PCC) 4:14.5. JT, Schmidt (PCC) 181-5 (ill—intestinal upset).

STEEPLECHASE WORLD RECORD PROGRESSION

The IAAF did not recognize the steeplechase as a world record event until 1954. It then recognized an 8:49.6 by Rozsnyoi and followed with 8:47.8 and 8:45.4 by Pentti Karvonen (Fin) and 8:45.4 by Vasilii Vlasenko (SU) before merging with the "natural progression."
* = mark ratified as 0.1 slower under rounding rules in effect at the time.

9:49.8 Josef Ternstrom (Swe) 7/4/14
9:36.6 Ernesto Ambrosini (It) 6/9/23
9:33.6 Ville Ritola (Fin) 7/9/24
9:21.8 Toivo Loukola (Fin) 8/4/28

9:08.4 George Lermond (US) 6/18/32
9:08.2 Harold Manning (US) 7/12/36
9:03.8 Volmari Iso-Hollo (Fin) 8/8/36
9:03.4 Erik Elmsater (Swe) 8/22/43
8:59.6 Elmsater 8/4/44
8:49.8 Vladimir Kazantsev (SU) 7/10/51
8:48.6 Kazantsev 6/12/52
8:45.4 Horace Ashenfelter (US) 7/25/52
8:44.4 Olavi Rinteenpaa (Fin) 7/2/53
8:41.2 Jerzy Chromik (Pol) 8/31/55
8:40.2 Chromik 9/11/55
8:39.8 Semyon Rzhishchin (SU) 8/14/56
8:35.6 Sandor Rozsnyoi (Hun) 6/19/56
8:35.6 Rzhishchin 7/21/58
8:32.0 Chromik 8/2/58

8:31.3* Zdzislaw Krzyszkowiak (Pol) 6/26/60
8:31.2 Grigoriy Taran (SU) 5/28/61
8:30.4 Krzyszkowiak 8/10/61
8:29.6 Gaston Roelants (Bel) 9/7/63
8:26.3* Roelants 8/7/65
8:24.2 Jouko Kuha (Fin) 7/17/68
8:22.2 Vladimir Dudin (SU) 8/19/69
8:22.0 Kerry O'Brien (Aus) 7/4/70
8:20.8 Anders Garderud (Swe) 9/14/72
8:19.8 Ben Jipcho (Ken) 6/18/73
8:13.9* Jipcho 6/27/73
8:10.4 Garderud 6/25/75
8:09.7* Garderud 7/1/75
8:08.0 Garderud 7/28/76
8:05.4 Henry Rono (Ken) 5/13/78

1978 U.S. TOP TEN

The Top 10 in each of the standard events, as reported to *T&FN* by May 17. Not all the marks on these lists have been reported in *TN* yet.

Symbols: i=indoor mark; ' after name=foreigner; A=mark made at altitude over 1000m; *=junior; **=soph; ***=frosch, all other collegians are seniors.

The current world and American records are listed at the head of each event, as are any conversion factors. The yearly world leader, if not part of the U.S. list, is listed at the end of each event.

We welcome all amendments to these lists.

100 METERS (9.95, 9.95)

- 9.9 *Harvey Glance (Aub)
 *Mike Roberson (FI St)
 10.18 Clancy Edwards (Sn Cal)
 10.21 Eddie Hart (BAS)
 10.22 *Andrew Banks (Or)
 **Curtis Dickey (Tx A&M)
 10.0 *Tony Easley (Aub)
 *Ernest Lewis (SJCC)
 **Houston McTear (CJC)
 10.26 Don Quarrie' (Tob)

- 3:54.9i Dick Buerkle (NYAC)
 3:56.6 Wilson Waigwa' (PCC)
 3:58.1 *Don Paige (Vill)
 3:58.6 Dave Hill' (FTC)
 3:59.1 Greg Meyer (NJAA)
 3:59.2 Tom Duits (Wn Mi)
 3:59.6 James Munyala' (UTEP)
 4:00.0 Greg Fredericks (AA)
 4:00.2i Paul Cummings (PCC)
 Jerald Jones (SMTC)
 i Nick Rose' (MDAC)

200 METERS (19.83, 19.83)

- 20.03 Clancy Edwards (Sn Cal)
 20.38 ***James Sanford (Sn Cal)
 20.41 **Greg Foster (UCLA)
 20.50 Ray Brooks (Tx A&M)
 20.52 Millard Hampton (UCLA)
 20.53 **James Mallard (HJC)
 20.57 *Harvey Glance (Aub)
 20.61 ***LaMonte King (Irv)
 20.62 Don Quarrie' (Tob)
 9.65 **ReVey Scott (LSU)

- ## STEEPLE (8:05.4, 8:21.6)
- 8:05.4 **Henry Rono' (Wa St)
 8:32.5 Henry Marsh (BYU)
 8:36.1 Jim Johnson (CNW)
 8:36.9 *Bruce Bickford (NEN)
 8:37.3 James Munyala' (UTEP)
 8:38.8** Amos Kipkorir' (All CC)
 8:39.4 **Harrison Koroso' (NM)
 8:39.5 Bill McCullough (SMTC)
 8:39.9 Gordon Innes (Knox TC)
 Tony Staynings' (MDAC)

400 METERS (43.86, 43.86)

- +hand time + 0.14
 44.73 Willie Smith (Aub)
 45.03 **William Mullins (Sn Cal)
 45.12 Darrol Gatson (AI)
 45.30 Adrian Rodgers (Tob)
 45.37 Stan Vinson (UCTC)
 45.64+ Evis Jennings (Ms St)
 45.65 **Donn Thompson (UCLA)
 45.70 *Joseph Coombs' (AI)
 45.71 ***Leslie Kerr (Tx A&M)
 45.72 ***Walter McCoy (FI St)

5000 METERS (13:08.4, 13:15.1)

- 13:08.4** Henry Rono' (Wa St)
 13:25.6** Rudy Chapa (Or)
 13:33.7 Ralph King (NC)
 13:35.9** Gerard Deegan' (Prov)
 13:36.3 Bob Snyder (Penn St)
 13:36.9 *Mike Novelli (Rice)
 13:37.3** Alberto Salazar (Or)
 13:38.2** Joel Cheruiyot' (Wa St)
 13:39.3 Bill Donakowski (Mi)
 13:42.1 Josh Kimeto' (Wa St)

800 METERS (1:43.4, 1:43.9)

- †=880 - 0.7
 1:45.9 Randy Wilson (Ok)
 1:46.2 Mike Boit' (Tob)
 1:46.5 Rayfield Beaton' (Sn Cal)
 James Robinson (ICAC)
 1:47.1 *Conrad Suhr (UCLA)
 1:47.2** Anthony Tufariello (Vill)
 Rick Brown (Tob)
 1:47.3 **David Omwansa' (Sn Cal)
 1:47.4† Mark Belger (Vill)
 Mark Enyeart (AW)

10,000 METERS (27:30.5, 27:43.6)

- 27:48.6** Henry Rono' (Wa St)
 27:55.2 John Treacy' (Prov)
 28:19.4 Craig Virgin (AW)
 28:25.8 Bill Donakowski (MI)
 28:28.9 Ken Misner (AA)
 28:32.5 Jim Crawford (AW)
 28:33.8 Doug Brown (AW)
 28:33.9 Jeff Wells (AW)
 28:35.1 *George Watts (Tn)
 28:35.6 Tony Colon' (NYAC)

1500 METERS (3:32.2, 3:33.1)

- 3:38.6 James Munyala' (UTEP)
 i Wilson Waigwa' (PCC)
 3:38.9 Steve Scott (Irv)
 3:39.4i Paul Cummings (PCC)
 3:39.8i Dick Buerkle (NYAC)
 i N. O'Shaughnessy' (NYAC)
 3:40.6 **Rudy Chapa (Or)
 3:40.7 Dave Hill' (FTC)
 i Mike Slack (UCTC)
 41.3 Tom Byers (OhTC)
 World Leader:

MARATHON (2:08:34, 2:09:55)

- 2:10:13 Bill Rodgers (GBTC)
 2:10:15 Jeff Wells (AW)
 2:11:17 Jack Fultz (GAA)
 2:11:25 Randy Thomas (GBTC)
 2:14:07 Don Kardong (CNW)
 2:14:12 John Lodwick (DS)
 2:14:44 Tom Fleming (NYAC)
 2:15:02 Benji Durden (Atl TC)
 2:15:19 Charlie McMullen (unat)
 2:15:35 Bob Doyle (unat)
 World Leader:

3:38.2 Antti Loikkanen (Fin)

- Thomas Wessinghage (WG)

MILE (3:49.4, 3:51.1)

- 3:53.9 Steve Scott (Irv)

110 HURDLES (13.21, 13.24)

- 13.34 **Greg Foster (UCLA)
 13.37 ***Renaldo Nehemiah (Md)
 13.43 *Dedy Cooper (SJ St)
 13.60 James Owens (UCLA)

- 13.4 Charles Foster (PPC)
 *Donnie Taylor (Ar St)
 13.71 *Greg Robertson (Md)
 13.73 ***Fatwel Kimaiyo' (NM)
 13.79 *James Walker (Aub)
 13.80 Colin Williams (Ok)

400 HURDLES (47.45, 47.45)

- +hand time plus 0.14
 48.62 Edwin Moses (AIA)
 49.18 Quentin Wheeler (unat)
 49.44+ *Sam Turner (LA St)
 49.54+ Rich Graybehl (Sn Cal)
 49.62 *James Walker (Aub)
 49.64+ *Bart Williams (CP/SLO)
 50.15 ***Fatwel Kimaiyo' (NM)
 50.24+ James King (unat)
 50.34+ James McCraney (Sn)
 50.44+ *Dennis Otono' (Ms St)

4 x 100 (38.03, 38.03)

- *=440 auto time minus 0.23
 †=440 hand time minus 0.09
 +=400 hand time plus 0.14
 38.85 Southern California
 38.92 Tobias Striders
 39.18 Philadelphia Pioneers
 39.25 UCLA
 39.31 Auburn
 39.54 Texas A&M
 39.61† Arizona State
 39.74+ Florida State
 + Tennessee
 39.77* LSU

4 x 400 (2:56.1, 2:56.1)

- †=4 x 440 minus 1.1
 3:04.5 Villanova
 Tennessee
 3:05.1† Texas Southern
 3:05.3 Philadelphia Pioneers
 3:05.5 DC International
 † Mississippi State
 † Southern California
 3:05.9 Alabama
 3:06.2 Howard
 † Southern U
 Texas A&M

HIGH JUMP (7-7¼, 7-7¼)

- 7-7¼i **Franklin Jacobs (FD)
 7-5i Kyle Arney (PPC)
 i Benn Fields (unat)
 i Gail Olson (II HS)
 i Dwight Stones (DO)
 Tom Woods (PCC)
 7-4¼ ***Jeff Woodard (AI)
 7-4 Kim Hansen (Ia)
 i **Bill Nielsen (BYU)
 i Nat Page (UCTC)
 World Leader:
 7-8¼ Vlad. Yashchenko (SU)

POLE VAULT (18-8¼, 18-8¼)

- 18-5¼i Mike Tully (UCLA)
 18-5 Larry Jesse (PPC)
 18-2¼ Jeff Taylor (CNW)
 18-½ Ralph Haynie (Quest)
 18-0 Don Baird' (unat)
 Dan Ripley (PCC)
 17-8¼i Bob Pullard (All Am)
 17-8¼ Mike Cotton (FAA)
 i Steve Oravetz (Wa)
 17-6¼ *Frank Estes (Ab Chr)

LONG JUMP (29-2½, 29-2½)

- 26-9¼i Arnie Robinson (SDSGS)
 26-6¼*** LaMonte King (Irv)
 26-6i Tommy Haynes (US Ar)
 26-3¼A *Carl Williams (Ab Chr)
 26-3 Charl. Ehizuelen' (Macc)
 26-1¼ Randy Williams (Tob)
 26-1¼ James Lofton (Stan)

- 26-1i *Bob Calhoun (Md)
 25-11¼ Larry Doubly (Sn Cal)
 25-10¼** Stan Holmes (Tn)

TRIPLE JUMP (58-8¼, 56-5¼)

- 56-5¼ James Butts (Tob)
 55-11¼ Willie Banks (UCLA)
 55-8¼i **Ian Campbell' (Wa St)
 55-4¼i Ron Livers (SJ St)
 54-9¼i Milan Tiff (Tob)
 54-7¼iA *Steve Hanna' (UTEP)
 54-5¼ Rayfield Dupree (Macc)
 54-5¼i *Ajayi Agbebaku' (Mo)
 54-2i Tommy Haynes (US Ar)
 53-10¼** Robert Cannon (In)
 i *Jerome Hutchins (UTEP)

SHOT PUT (72-2¼, 71-8¼)

- 69-1¼ Al Feuerbach (AW)
 67-1i Mac Wilkins (AW)
 66-10¼i Colin Anderson (UCTC)
 65-5 *Dave Laut (UCLA)
 65-2 Hans Almstrom' (UTEP)
 65-1¼ Doug Price (TBTC)
 64-7 **Jeff Stover (Or)
 64-2¼i Mike Weeks (Macc)
 64-1¼i Bruno Pauletto' (C Mi)
 64-1 *Steve Summers (Wa)
 World Leader:
 69-2¼i Udo Beyer (EG)

DISCUS (232-6, 232-6)

- 231-3 Mac Wilkins (AW)
 224-5 Ken Stadel (Tob)
 209-2 Jim McGoldrick (Macc)
 206-6 Dave Voorhees (Or)
 203-7 Al Oerter (NYAC)
 202-8 Art Swarts (Shore)
 202-4 Mike Weeks (Macc)
 201-9 Ray Burton (OTC)
 200-7 Marcus Gordien (unat)
 199-11 *Svein Walvik' (UTEP)

HAMMER (260-2, 235-11)

- 238-7 *Scott Neilson' (Wa)
 229-4 Emmitt Berry (UTEP)
 224-11 Boris Djerassi (NYAC)
 216-7 ***Tommie Sjolholm' (UTEP)
 212-5 Larry Satchwell (UCTC)
 211-11 Dave McKenzie (WVTC)
 211-7 Dwight Midles (unat)
 211-1 Rich Perkins (OTC)
 208-10 Carl Ecklund (unat)
 208-9 *Tapio Kuusela' (BYU)
 World Leader:
 247-0 Adam Barnard (S Afr)

JAVELIN (310-4, 300-0)

- 290-8 Bob Roggy (Sn II)
 280-8 Duncan Atwood (Wa)
 Phil Olsen' (Tn)
 276-8 Rod Ewaliko (CNW)
 269-3 Sam Strickland (CNW)
 264-9 Stu Ralph (Clem)
 263-4 Bill Schmidt (KTC)
 262-3 *Frank Perbeck (Ks St)
 262-0 Scott Sorchik (Bruce)
 261-8 *Frank Lyons (Tx)
 World Leader:
 290-9 Herman Potgieter (S Af)

DECATHLON (8618, 8618)

- 8026h **Tito Steiner' (BYU)
 8011h John Warkentin (USSA)
 7855h Al Hamlin (unat)
 7831h Mauricio Bardales (Irv)
 7831h John Whitson (DCD)
 7762h Roger George (AW)
 7690h Tony Hale (Fisk)
 7658h Jim Howell (Hurr)
 7585h Lee Pallas (Ms St)
 7550h Steve Alexander (Hous)

WOMEN

100 METERS (10.88, 11.07)

11.26 *Brenda Morehead (Tn St)
 11.32 **Andrea Lynch' (LB St)
 11.33 *Evalyn Ashford (UCLA)
 11.56 Steph. Hightower (OHSt)
 11.57 Valerie Brisco (Ca HS)
 11.4 ***Rhonda Brady (Az St)
 ***Brenda Calhoun (Az St)
 Sandy Howard (North)
 Elaine Parker (Ca HS)
 11.65 ***Debbie Adams (Or)

200 METERS (22.21, 22.62)

22.5 *Evalyn Ashford (UCLA)
 22.8 Rosalyn Bryant (LA St)
 23.3 ***Ch. Cheeseborough (TnSt)
 *Brenda Morehead (Tn St)
 23.4 **Debbie Jones' (Tn St)
 *Marie Nickson (Hay St)
 23.77 Valerie Brisco (Ca HS)
 Cheryl Gilliam (Mi St)
 23.78 ***Brenda Calhoun (Az St)
 23.82 Pam Marshall (Ca HS)

400 METERS (49.29, 50.62)

+hand time plus 0.14
 52.14+ Rosalyn Bryant (LA St)
 52.62 *Lorna Forde' (LIU)
 53.27i Sharon Dabney (Clip)
 53.34+***Helen Blake' (TnSt)
 53.54+ Robbin Coleman (TxHS)
 53.70 Valerie Brisco (Ca HS)
 53.94+ Veronica Williams (TxSn)
 54.14+ Arlise Emerson (Ca HS)
 +***Kim Thomas (St John's)
 54.34+***June Griffith' (Adel)
 + Charmane Kuhlman (Ks)

800 METERS (1:54.9, 1:57.9)

†=880 minus 0.8
 2:01.8 **Mary Decker (Co)
 2:03.9 **Ruth Caldwell (Cit JC)
 2:04.3 *Jan Merrill (Ct C)
 2:04.8 Francie Larrieu (PCC)
 2:04.9 **Kathy Weston (North)
 2:05.0 Tec. Chemabwai' (Macc)
 †**Debbie Vetter (Ia St)
 2:05.2 Debbie Heald (SFVTC)
 2:05.4 Ann Regan (Ca HS)
 2:05.6 Deanna Coleman (WaHS)
 Karel Jones (Atoms)
 World Leader:
 2:01.5i Totka Petrova (Bul)

1500 METERS (3:56.0, 4:02.6)

4:08.9 **Mary Decker (Co)
 4:14.0i Francie Larrieu (PCC)
 4:15.2i *Jan Merrill (Ct C)
 4:17.0i Cindy Bremser (Wi TC)
 4:17.9i **Debbie Vetter (Ia St)
 4:18.0 **Ruth Caldwell (Cit JC)
 4:18.5 Debbie Heald (SFVTC)
 4:18.8 Debbie Pearson' (UTEP)
 4:18.9i Lynn Jennings (Ma HS)
 4:20.7 **Doreen Ennis (Montc)
 World Leader:
 4:05.0i Natalia Maracescu (Rum)

MILE (4:23.8, 4:28.2)

4:31.0 Francie Larrieu (PCC)
 Debbie Heald (SFVTC)
 4:37.0i *Jan Merrill (Ct C)
 4:37.6 Cindy Bremser (Wi TC)
 4:38.3 *Kate Keyes (UCLA)
 4:39.0i Lynn Jennings (Ma HS)
 4:40.0 **Mary Decker (Co)
 4:41.9 *Brenda Webb (Tnn)
 4:42.6 Deanna Coleman (WaHS)
 †***Julie Shea (NC St)

3000 METERS (8:27.1, 8:46.6)

8:57.6i *Jan Merrill (Ct C)
 9:16.4 **Kathy Mills (Penn St)
 9:22.0 Ellison Goodall (Duke)
 9:25.1 *Brenda Webb (Tn)
 9:27.0***Sue Schaefer (En Ky)
 9:27.6i **Joan Benoit (NC St)
 9:29.3 Jannifer White (WRC)
 9:31.2 **Debbie Quatier (S Pac)
 9:31.8***Valerie Ford (NC St)
 9:34.0 Sue Kinsey (North)

5000 METERS (15:37.0, 15:37.0)

16:01.4**Kathy Mills (Penn St)
 16:10.5***Julie Shea (NC St)
 16:16.2**Debbie Quatier (S Pac)
 16:22.5**Joan Benoit (NC St)
 16:23.3 Ellison Goodall (Duke)
 16:26.8 Carol Cook (ISTC)
 16:32.0 Kris Bankes (Penn St)
 16:36.2 Doris Heritage (Falcon)
 16:37.6**Katy Schilly (Ia St)
 16:38.1 *Karen Bridges (Ok St)
 16:39.6***Kathy Adams (Wa)
 World Leader:
 15:49.7 Loa Olafsson (Den)

10,000 METERS (31:45.4, 33:15.1)

34:20.5 Julie Brown (North)
 34:52.3 Sue Kinsey (North)
 35:08.1***Kathy Adams (Wa)
 36:59.8 Jane Robinson (CNW)
 World Leader:
 31:45.4 Loa Olafsson (Den)

MARATHON (2:34:48, 2:37:57)

2:44:52 Gayle Barron (Atl TC)
 2:45:34 Penny DeMoss (WVTC)
 2:46:15 Martha Cooksey (Full St)
 2:46:46 Irene Griffith (Wa HS)
 2:47:22 Jane Killion (unat)
 2:47:26 Janice Arenz (TCTC)
 2:47:52 Kim Merritt (WPTC)
 2:48:40 Lauri Pedrinan (GNyAA)
 2:51:11 Sue Rossiter (unat)
 2:52:10 Cindy Dalrymple (HTC)

100 HURDLES (12.59, 13.21)

13.21 Pat van Wolvelaere (SnCal)
 13.25 Jane Frederick (LAN)
 13.30 Deby LaPlante (DCI)
 13.54 Steph. Hightower (OhSt)
 13.3 ***Rhonda Brady (Az St)
 ***Brenda Calhoun (Az St)
 *Modupe Oshikoya'(UCLA)
 13.69 *Mitzi McMillin (SnCal)
 13.7 **Lena Gibbs (TWU)
 13.96 Kim Hatcher (Mi St)
 World Leader:
 13.18 Lorna Boothe (GB)

400 HURDLES (55.63, 56.61)

+hand time plus 0.14
 59.18+ *Debbie Esser (Ia St)
 59.69 Collette Winlock (HaySt)
 59.94+ Sandra Farmer (NY HS)
 60.00 *Carolyn Brinkley (UDC)
 60.13 Debra Melrose (PV)
 60.14+ Sandra Souza (TWU)
 60.20 Teri Wierson (Or HS)
 60.34+ **Debbie Vetter (Ia St)
 60.44+ **Denise Waddy (Az St)
 60.54+ Denise Anderson (S Pac)
 World Leader:
 57.94+ Leonie Verster (S Afr)

4 x 100 (42.50, 42.87)

*=440 auto time minus 0.23
 †=400 hand time plus 0.14

44.04+ Tennessee State

44.74+ Texas Southern
 45.11 Texas Woman's
 45.34+ Prairie View
 45.40* Arizona State
 45.73* LA State
 45.91 DC International
 45.94+ Adelphi
 46.04+ Alcorn State
 46.19* Southern Cal

4 x 400 (3:19.2, 3:22.8)

†=4 x 440 minus 1.1
 3:36.1 Atoms
 3:37.9† Prairie View
 3:38.4 DC International
 3:38.6i National Team
 3:41.5 Adelphi
 3:42.0† Texas Southern
 3:42.1† Morgan State
 3:43.5 Iowa State
 3:44.3† Lakewood
 3:44.7† Texas Woman's
 World Leader:
 3:35.0i Europe

4 x 800 (7:25.3, 8:21.2)

†=4 x 880 minus 3.2
 8:43.1 Atoms
 8:47.7† LA Naturite
 8:49.0† Iowa State
 8:49.9 Penn State
 8:52.3† UCLA
 8:55.3 Florida State
 8:59.0† Liberty AC
 9:00.2† Nebraska
 9:00.6† Wisconsin
 9:01.1† Texas

SPRINT MEDLEY (1:36.4, 1:36.4)

†yard race minus 0.5
 1:38.8 Tennessee State
 1:38.9 Prairie View
 1:40.1 Texas Southern
 1:40.6† Morgan State
 1:40.7† LA State
 1:41.5† Arizona State
 † Texas Woman's
 1:41.7† LA Naturite
 1:42.1† Long Beach State
 1:42.2 Atoms

HIGH JUMP (6-6½, 6-3)

6-4i *Joni Huntley (LB St)
 6-3 **Louise Ritter (TWU)
 6-0 *Brigitte Bittner' (Tn)
 Marilyn Dubbs (unat)
 i **Maggie Garrison (Wa)
 **Paula Girven (Md)
 Anne Gilliland (NM HS)
 5-10½ Julie Crosgrave (Wa HS)
 5-10i Sharon Burrill (Co HS)
 Jalene Chase (Md)
 ***Sherri Felton (Wa)
 Roberta Harper (Tx HS)
 ***Jo Anne McLeod' (Tn)
 **Chris Remmling (UCLA)
 **Theresa Smith (Sea Pac)
 *Pam Spencer (Sea Pac)
 World Leader:
 6-4½i Sara Simeoni (It)

LONG JUMP (22-11¼, 22-3)

21-6¼ **Kathy McMillan (Tn St)
 21-¼ **Jodi Anderson (North)
 21-0 *Sherron Walker (LB St)
 20-11¼**Mod. Oshikoya' (UCLA)
 20-7 **Debra Carson (Az St)
 20-5 ***June Griffith' (Adel)
 20-4¼ Gwen Loud (Ca HS)
 20-4¼ Lorraine Ray (FI)
 20-3¼ Amy Davis (Hous TC)
 *Joni Huntley (LB St)
 World Leader:
 21-11¼ Lyn Jacenko (Aus)

SHOT PUT (73-2¾, 60-6¾)

61-2¼i Maren Seidler (Stars)
 53-7¾ *Kathy Devine (Emp St)
 53-1 Jane Frederick (LAN)
 51-6¾ **Emily Dole (LB St)
 51-3¾ Marcia Mecklenburg (SP)
 51-2¼ **Ann Turbyne (Ma)
 51-1 **Caryl Van Pelt (Wa)
 50-4¼i***Cecil Hansen' (Ok)
 49-10½***Jennifer Smit' (UTEP)
 49-8¼ **Jill Stenwall (Kear St)
 49-1 Karen Marshall (North)
 World Leader:
 69-9i Helena Fibingerova (Cz)

DISCUS (231-3, 187-2)

181-3 ***Ria Stalman' (UTEP)
 180-3 Jane Haist' (Tn)
 180-2 Lynne Winbigler (OTC)
 177-0 Lorna Griffin (Sea Pac)
 174-0 *Julie Hansen (Sea Pac)
 170-4 ***Betty Bogers' (UTEP)
 164-0 Karen Marshall (North)
 162-4 Lisa Vogelsang (Macc)
 162-3 ***Helene Connell (Oc CC)
 161-3 Jan Svendsen (Quest)
 World Leader:
 212-3 Faina Veleva (SU)

JAVELIN (227-5, 227-5)

196-3 Karin Smith (SCM)
 193-1 Sherry Calvert (Lake)
 186-8 **Celeste Wilkinson (Az St)
 181-5 Kate Schmidt (PCC)
 179-7 **Cathy Sulinski (Hay St)
 173-3 Lynn Cannon (M Lions)
 169-10 Donna Dietrich (SD St)
 167-4 **Keri Camarigg (LB St)
 156-4 Chris Hunt (Oned)
 156-4 Monica Stolenburg (Port St)
 World Leader:
 210-2 Eva Helmschmidt (WG)

PENTATHLON (4839, 4625)

4243h **Dana Collins (Az St)
 4242h **Jodi Anderson (North)
 4116h***Th. Zambryzcki' (BYU)
 4100h Denise Cornell (LAN)
 3974h **Ann Crump' (UNLV)
 3922 Marilyn Linsenmeyer (LAN)
 3860 Lori West (Co)
 3849h **Nancy Malloy (Co St)
 3843h **Lynn Kinney (Sp CC)
 3828h **Terri Seippel (En Ky)