

TRACK

NEWSLETTER

YOU'LL SEE SPOTS

Spots? More like dots, as in the kind that we use to highlight superb performances here in the newsletter.

This was the best weekend for top-quality performances so far in 1978, particularly at the Pepsi Invitational, in which almost every event could be legitimately highlighted.

The biggest highlights of all came from James Butts (an AR in the triple jump—56-5½), Patty van Wolvelaere (an AR in the 100H—13.21) and Greg Foster (13.34, beating Renaldo Nehemiah's World Junior Record 13.37).

But there is much too much good stuff to waste time talking about it. Without further ado, let's hit you with the numbers:

PEPSI INVITATIONAL

Westwood, May 7 /sunny and warm; attendance 10,009/—100(3.4), Edwards (Sn Cal) 10.18; 2. McTear (CJC) 10.18; 3. Quarrie (Tob-Jam) 10.27; 4. Abrahams (Tob-Pan) 10.28; 5. Gilkes (Tob-Guy) 10.39; 6. Kirtman (SJ St) 10.59; 7. Marshall (Az HS) 10.60; 8. Balderama (Mex) 10.82.

- 400, MULLINS (Sn Cal) 45.11; 2. Rodgers (Tob) 45.30 PR; 3. Thompson (UCLA) 45.65 PR; 4. Goldston (UCLA) 46.15 PR; 5. Dale (Vill) 46.33; 6. Beasley (LB St) 46.41; 7. Sanford (Sn Cal) 46.67; 8. Frazier (PPC) 46.76; 9. Harbour (Vill) 47.30.

800, Robinson (ICAC) 1:46.5; 2. Boit (Tob-Ken) 1:47.0; 3. Tufariello (Vill) 1:47.2; 4. Brown (Tob) 1:47.2; 5. Omwansa (Sn Cal-Ken) 1:47.3; 6. Terer (FD-Ken) 1:47.9; 7. Belger (Vill) 1:52.5; 8. Suhr (UCLA) 1:53.0.

Mile, Waigwa (PPC-Ken) 3:56.6 (53.9, last 220 27.1); 2. Paige (Vill) 3:58.1; 3. Jirele (SMTc) 4:00.5; 4. O'Shaughnessy (NYAC-Eire) 4:01.6; 5. Byers (Oh TC) 4:02.5; 6. Foster (AA) 4:03.5; ... Scott (Irv) 4:09.5 (57.5, 1:59.6, 3:02.9).

- 3000, RONO (Wa St-Ken) 7:43.0 (3rd performance all-time college) (last mile 4:02.3—4th lap from end in 57.8); 2. Treacy (Prov-Eire) 7:55.0; 3. Liquori (AA) 8:00.8; 4. McCullough (SMTc) 8:02.6; 5. Melancon (NYAC) 8:02.8; 6. Daniels (Irv); 7. Deegan (Prov-Eire).

- 110H(0.8), G. FOSTER (UCLA) 13.34 (hit first hurdle) (6th performer, =8th performance all-time world; 3rd performer, performance all-time U.S.);

- 2. NEHEMIAH (Md) 13.37 WJR (old record 13.52 Nehemiah '78)

(=7th performer, =11th performance all-time world; 4th performer, performance all-time U.S.)

- 3. COOPER (SJ St) 13.43 (=13th performer all-time world; =9th performer all-time U.S.); 4. Owens (UCLA) 13.64; 5. Robertson (Md) 13.80; 6. Johnson (Tob) 14.19.

- 4 x 100, TOBIAS STRIDERS 38.92 (Quarrie, Simmons, Gilkes, Rodgers); 2. UCLA 40.10; 3. Northridge 40.62.

HJ, Jacobs (FD) 7-4 (missed 7-6); 2. Olson (II HS) 7-2; 3. Stones (DO) 7-2; 4. Kotinek (PCC) 7-0; 5. Joseph (UCLA) 7-0.

- PV, TAYLOR (CNW) 18-2½ (12th performer all-time world; 8th performer all-time U.S.); 2. Tully (UCLA) 18-0; 3. Bell (PCC) 17-6; 4. Brown (UCLA) 17-0; 5. Curran (Ca HS) 16-6.

LJ, Ehizuelen (Macc-Nig) 26-3 (25-4½w, 25-10¼, 25-9¼, 25-11¼, 25-5¼, 26-3); 2. Duncan (BAS) 25-11½w (25-5½); 3. Robinson (SDSGS) 25-10¼; 4. Lofton (Stan) 25-4½w; 5. Lanier (Ali) 25-4; 6. King (Irv) 24-10¼.

- TJ, BUTTS (Tob) 56-5½ AR (old AR 56-5¼ Haynes [US Ar] '75) (7th performer, 12th performance all-time world; 4th performer, 12th performance all-time world non-altitude) (54-3w, 55-½w, 55-10w, f, 56-5¼, f);

- 2. BANKS (UCLA) 55-11¼ (=13th performer all-time world); =10th performer all-time world non-altitude) (5th performer, 6th performance all-time U.S.) (2nd performer, performance all-time college) (54-5½, 55-1½ 55-1½w, 52-8¼, 53-3¼, 55-11¼, f); 3. Taylor (LB St) 52-11½; 4. Marlow (Cal) 51-2.

- SP, FEUERBACH (AW) 68-11¼ (67-10½, 68-11¼, 66-6, 68-10¼, 68-9, f); 2. Laut (UCLA) 65-5 PR; 3. Stover (Or) 64-7 PR; 4. Shmock (Tob) 63-10¼; 5. Weeks (Macc) 61-10½; 6. B. Feuerbach (SJ St) 59-6¼.

- DT, WILKINS (AW) 227-11 (7th performance all-time world, U.S.) (202-1, 222-10, 222-8, 222-2, f, 227-11); 2. Stadel (Tob) 202-2; 3. Voorhees (Or) 199-9; 4. McGoldrick (Macc) 195-4; 5. Swarts (Shore AC) 194-1; 6. Burton (OTC) 193-11; 7. Oerter (NYAC) 192-1; 8. Gordien (unat) 187-5.

Women: 100(0.01), Lynch (LB St-GB) 11.32; 2. Ashford (UCLA) 11.33; 3. Brady (Az St) 11.80; 4. Anderson (North) 11.84; 5. Brown (unat) 11.86. 200(—1.0), Ashford 23.00; 2. Boothe (GB) 24.12; 3. Bryant (LA St) 24.24; 4. Bolton (Ca HS) 24.44; 5. Riggs (CNW) 24.47; 6. Calhoun (Az St) 24.48; 7. Brown 24.70; 8. Eddington (Ca HS) 25.68. 400, Forde (LIU-Bar) 52.62; 2. Emerson (Ca HS) 54.22; 3. Rich (LA St) 54.68; 4. Roberson (UCLA) 54.91.

800, Weston (North) 2:04.9; 2. Chemabwai (Macc-Ken) 2:05.0; 3. Regan (Ca HS) 2:05.4; 4. Romesser (FPTC) 2:07.9; 5. Chisam (UCLA) 2:10.0.

- Mile, LARRIEU (PCC) 4:31.0 (=6th performance all-time world; =4th performance all-time U.S.); 2. Heald (SFVTC) 4:31.0 (=4th performer all-time world, =2nd performer all-time U.S.) (4:30.97 to 4:31.02); 3. Bremser (Wi TC) 4:37.6; 4. Keyes (UCLA) 4:38.3; 5. Webb (Tn) 4:41.9.
- 100H(1.2), Boothe (GB) 13.18; 2. VAN WOLVELAERE (Sn Cal) 13.21 AR, CR (old AR 13.24 Frederick [LATC] '77, old CR 13.34 Ralins [Tx Sn] '72);
- 3. FREDERICK 13.25 (3rd performance all-time U.S.); 4. Calhoun 13.59; 5. Oshikoya (UCLA-Nig) 13.67; 6. McMillin (Sn Cal) 13.69; 7. Brady (Az St) 13.71; 8. Shmock (SD St) 14.17.
- 400H, Winlock (Hay St) 59.69; 2. Cape. (LB St) 61.16; 3. Murphy (UCLA) 62.39.
- 4 x 440, Lakewood 3:45.5; 2. Premier TC 3:46.9; 3. LATC 3:52.0. SpMed, LATC 1:42.2; 2. Long Beach State 1:42.6; 3. Hayward State 1:43.3; 4. UCLA 1:45.0; 5. Premier TC 1:46.2.
- HJ, HUNTLEY (PCC) 6-2 (=6th performance all-time U.S. outdoor); 2. Brill (PCC-Can) 6-2; 3. Tannander (Swe) 5-11; 4. Simon (Lake) 5-9; 5. tie, Remmling (UCLA) & Gilbert (UCLA) 5-7.
- LJ, Anderson 20-11; 2. Oshikoya 20-9½; 3. Walker (LB St) 20-¼; 4. Watson (Lake) 20-0; 5. Gourdine (UCLA) 18-10.
- JT, CALVERT (Lake) 193-1 (6th performer all-time U.S.) (180-6, 179-11, f, 193-1, 163-4, 184-9); 2. Sulinski (Hay St) 179-7; 3. Cannon (M Lions) 173-3; 4. Camarigg (LB St) 165-9.

WEST COAST RELAYS

Fresno, May 5(a)-6(b)

Open Division (all b): 100(1.92), Hart (BAS) 10.21; 2. Farmer (Cal) 10.33; 3. Andrews (Sn Cal) 10.35; 4. Payton (BAS) 10.43; 5. Banks (Or) 10.44; 6. Hamilton (UNLV) 10.52. 200(1.57), Snoddy (Ok) 20.92; 2. Parry (SD St) 21.03; 3. G. Riddick (unat) 21.70; 4. L. Brown (AIA) 21.94; 5. McCullough (unat) 21.95. 400, Parks (AIA) 46.94; 2. B. Brown (AIA) 47.25; 3. Campbell (AIA) 47.51.

Mile, Clifford (Cal) 4:03.3; 2. Aldridge (CP/SLO) 4:04.0; 3. Cummings (PCC) 4:04.3; 4. Delatorre (Or St) 4:04.7; 5. Arriola (Macc) 4:04.8; 6. Kumm (Or St) 4:07.9. St, St John (SD St) 8:52.1; 2. Hammer (Hun St) 8:56.0; 3. Perez (Sn Cal) 8:58.1; 4. Crews (US Ar) 8:59.0; 5. McCandless (LB St) 9:03.2. 5000, Hunsaker (SD St) 14:01.1; 2. Romesser (FPTC) 14:08.8; 3. Nitti (SMTTC) 14:14.8.

110H(3.49), Florant (ICAC) 14.08; 2. Darcus (Tn) 14.10; 3. Bolden (WVTC) 14.25. 400H, Graybehl (Sn Cal) 49.84.

4 x 100, Cal Poly/SLO 40.54 (Douglas, Williams, Bush, Siai-Siai); 2. Cal 40.89; 3. U.S. Army 41.83; . . . disq—Southern Cal (false start); . . .

dnf—Stanford. 4 x 400, Tennessee 3:08.4 (Morgan, Horne, Harris, Blair); 2. Pacific Coast Club 3:08.8; 3. Cal 3:10.1; 4. Stanford 3:11.4 (Lofton 47.5); 5. Oregon State 3:11.7. 4 x 200, Tennessee 1:23.4 (Grimes, Blair, Morgan, Harris); 2. San Diego State 1:24.1; 3. Bay Area Striders 1:24.1; . . . disq—Southern Cal (1:21.6). 4 x 880, Southern Cal 7:27.0 (Johnson, Walters, Beaton, Omwansa); 2. Pacific Coast Club 7:28.2; 3. Maccabi 7:32.1; 4. Stanford 7:33.2; 5. Occidental 7:36.4.

HJ, Woods (PCC) 7-5; 2. Haber (Hay St) 7-3¼; 3. Brown (AIA) 7-0; 4. Wilson (BAS) 7-0; 5. Walker (Sn Cal) 6-10. PV, Taylor (CNW) 17-6; 2. Lizotte (Puma TC) 17-0; 3. Haynie (Quest) 17-0; 4. Oravetz (Wa) 17-0; 5. tie, Williams (BAS), Hintz (Cal) & Schnedar (unat) 16-6; 8. tie, Woepse (SJ St) & Rogers (Sn Cal) 16-6. LJ, Ehizuelen (Macc-Nig) 26-6¼w (24-11¼, 26-4¼w, 25-11, f, 26-6¼w, 24-10¼w); 2. Lofton (Stan) 26-4w (26-1½); 3. Holmes (Tn) 25-10¼; 4. Nelson (Stan) 25-7¼w; 5. Eddings (Cal) 25-6½; 6. Whitley (Cal Int) 25-5¼w; 7. Steffes (WVTC) 25-4¼.

● TJ, BUTTS (Macc) 55-1 (=20th performance all-time U.S.) (53-9, 55-1, p, p, p, p); 2. Dupree (Macc) 54-5¼ (54-5¼, f, f, p, p, p); 3. Marlow (Cal) 53-9; 4. Caldwell (Compton JC) 52-7; 5. Freeman (Stars) 52-4; 6. Assef (Sn Cal-Iran) 52-1¼.

● SP, FEUERBACH (AW) 69-1½ (f, 65-5½, 69-1½, 68-3¼, 68-10, 66-2); 2. Dolegiewicz (Can) 65-3; 3. Summers (Wa) 63-8¼ (not using rotation); 4. Weeks (Macc) 62-10½; 5. Vincent (CNW) 61-6½; 6. Marks (WVTC) 60-4.

DT, Stadel (Stars) 216-9 (f, 191-4, 209-2, 213-0, 216-9, 206-0); 2. McGoldrick (Macc) 193-6; 3. Gardner (Macc) 189-6; 4. Plucknett (WV) 185-3; 5. Endler (Fresno St) 174-9.

HT, Neilson (Wa-Can) 235-4 (229-9, f, 229-10, 235-4, 233-0, f); 2. McKenzie (unat) 211-3; 3. Galle (Macc) 202-9; 4. Myers (UCTC) 187-8; 5. Leishman (US Ar) 181-9.

● JT, OLSEN (Tn-Can) 280-8 (268-0, 251-7, 271-4, 268-2, 280-8, 264-1); 2. Ewaliko (CNW) 268-3; 2. Atwood (Wa) 256-11; 4. Yu-shen (Tai) 250-6; 5. Pearce (Tob) 241-8; 6. Kennedy (Stars) 235-11; 7. Strickland (CNW) 235-4.

College Division. (all a): 100(w), Jackson (LB St) 10.47; 2. James (North) 10.51. 5000, Schankel (CP/SLO) 14:39.7. 110H(5.19), Siai-Siai (CP/SLO-Nig) 13.83; 2. Carley (Fresno St) 13.87.

4 x 100, Long Beach State 40.4; 2. Cal Poly 40.5. 4 x 400, Long Beach State 3:11.0; 2. Cal Poly 3:12.1. DisMed, Long Beach State 10:01.45; 2. Cal Poly 10:01.46.

HJ, Haber 7-3; 2. Wright (Hay St) 6-11. PV, Lawry (LB St) 16-6½; 2. Wilson (LB St) 16-6½; 3. Ferguson (LA St) 16-6½. LJ(w) Armour (SD St) 25-3½; 2. Taylor (LB St) 25-0. TJ(w), Taylor 53-11; 2. Halcomb (LB St) 51-3¼.

SP, Doll (Hay St) 59-2¼; 2. Fuller (LB St) 58-5½. DT, Fuller 192-4; 2. Endler 182-6.

JC Division. (all b): 100(1.88), Harris (Alameda) 10.39; 2. Gard-

Bert Nelson, Publisher & Editor; Garry Hill, Managing Editor; Jon Hendershott, Features Editor; John Barbour, Staff Writer; Grace Light & Debbie Sims, Editorial Assistants; Jack Shepard, Men's High School Editor; Jack Pfeifer, Women's High School Editor.

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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 distances above 440y are rounded to 10ths, other than the marathon and walks, which are rounded up to the next second.

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ner (Full) 10.56. 110H(3.4), Frazier (Pas) 14.18. 400H, Phillips (SJ) 50.75.

4 x 100, San Jose CC 40.23 (Anderson, Lewis, Jackson, Rachel).
4 x 200, San Jose 1:24.0 JCR (Green, Lewis, Jackson, Rachel). 4 x 400,
San Jose 3:10.3 (Rachel, Phillips, Holcombe, Harvey).

HJ, Gibbs (SJ) 7-3/4 JCR. PV, Halverson (Mt SAC) 16-4.

Women's Division: 800(b), Caldwell (Citrus JC) 2:03.9; 2. Chema-
bwai (Macc-Ken) 2:06.0; 3. Poor (AIA) 2:07.7; 4. Romesser (FPTC)
2:09.1.

OREGON TWILIGHT

Eugene, Or, May 6 /clear, windy with winds calming later in meet/
-400, Redditt (Or HS) 48.65. 1500, Clary (Or) 3:47.0; 2. Nelson (Or)
3:47.1; 3. Gibson (CNW) 3:48.8.

● 3000, CENTROWITZ (Or) 7:48.2 (5th performer, 9th performance
all-time U.S.); 2. Salazar (Or) 7:57.2; 3. B. McChesney (Or) 8:04.2; 4.

Taylor (OTC) 8:08.1; 5. Manke (AW) 8:09.6.

● 5000, CHAPA (Or) 13:25.0 PR (6th performer, 12th performance
all-time U.S.; 6th performer all-time college); 2. Brown (AW) 13:48.2; 3.
Malley (AW) 14:05.2; . . . 5. Manley (OTC) 14:22.3.

● 10,000, VIRGIN (AW) 28:19.4; 2. Crawford (AW) 28:32.5; 3. Wells
(AW) 28:33.9; 4. Arbogast (Co TC) 29:02.3.

110H, Spearing (Or St) 14.22.

HJ, From (Or-Swe) 6-8. PV, Hintnaus (Or) 16-0; . . . 3. Crane (Or
HS) 15-6. TJ, Berry (Or) 50-3.

SP, Anderson (UCTC) 64-10½; 2. Stover (Or) 62-6½; 3. Voorhees
(Or) 61-7¾; 4. Goldsmith (Or) 58-6.

● DT, VOORHEES 206-6 PR (8th performer all-time college) (also
206-4 PR); 2. Burton (OTC) 201-9 PR; 3. Banich (Or) 180-11.

HT, Rich Perkins (OTC) 211-1; 2. McArdle (Or) 201-0 PR; 3. Ron
Perkins (Or) 176-7. JT, Carter (OTC) 235-9.

Women: 200, Batiste (Or) 24.5. 400, Adams (Or) 56.0. 800,
Hamilton (Port St) 2:12.4. 1500, Eide (OCE) 4:28.4; 2. Forbes (Or
HS) 4:30.0. DT, Winbigler (OTC) 171-3.

CONFERENCE CHAMPIONSHIPS

TEXAS WOMEN'S INTERCOLLEGIATES

College Station, April 28(a)-29(b)-100(b, w), Hodges (TWU-Jam)
11.1; 2. Hawkins (Tx Sn) 11.5. 200(b, w), G. Smith (Tx Sn) 23.7; 2.
Hawkins 23.7; 3. Brown (TWU) 24.1. 400(b), V. Williams (Tx Sn) 53.8;
2. Simpson (TWU) 54.8.

800(b), Hocking (Tx A&M-P Rico) 2:14.8. 1500(b), Campbell (Tx)
4:33.0. 3000(b), Campbell 10:10.6. 5000(a), Campbell 17:37.5.
100H(a, w), Gibbs (TWU) 13.4; 2. Weekley (Tx Sn) 13.5. 400H(b),
Souza (TWU) 60.9.

4 x 110(a), Texas Woman's U 45.3 (Hodges, Davis, Holmes, H. Wil-
liams); 2. Texas Southern 45.5. 4 x 440(b), Texas Southern 3:43.2
(Hanna, V. Williams, D. Williams, Wallace). 4 x 880(a), Texas 9:04.3
(Scardinia, Davis, Garcia, Campbell). 880SpMed(a), Texas Southern
1:42.7 (Hawkins, E. Williams, Smith, V. Williams); 2. Texas Woman's
U 1:43.9.

● ● ● HJ(b), RITTER (TWU) 6-3 AR (old AR, 6-2¾ Huntley [Or St] '75)
(2nd performer, =3rd performance all-time U.S.—Huntley cleared 6-4
& 6-3¾ indoors in '78).

LJ(a), Cornelius (Tx A&M) 19-7½. SP(b), Abercrombie (SF Austin)
45-2¾. DT(a), Finsrud (Tx) 161-0. JT(b), Branch (Tx A&M) 148-2.
Pent(a-b), Lambert (Tx A&M) 3649.

Teams: 1. Texas Woman's U 167; 2. Texas 109; 3. Texas A&M
88; 4. Texas Southern 82; 5. SF Austin 34.

SOUTHERN CONFERENCE

Huntington, W.V., April 28-29-100, Washington (VMI) 10.83.
200, Judge (VMI) 21.25. 400, Jordan (AS) 46.93. 800, Barker (Fur)
1:50.3. 1500, Dotson (Mar) 3:48.6. 5000, Kline (Mar) 14:20.8.
10,000, Branch (Fur) 29:54.4. St, Wiggins (VMI) 9:07.5. 110H,
Bridges (VMI) 14.50; 2. Washington 14.74. 400H, Washington 51.92.
4 x 110, VMI 41.20. 4 x 440, VMI 3:14.3.

HJ, Hubbard (AS) 7-0. PV, Mittendorf (Mar) 14-6. LJ, Grimes (VMI)
24-5½. TJ, Grimes 50-2. SP, Johns (Mar) 54-4. DT, Johns 165-7. HT,
McCarthy (VMI) 162-2. JT, Yanossy (Mar) 211-2.

Teams: 1. VMI 187; 2. Appalachian State 116; 3. Marshall 106; 4.
Furman 75; 5. Western Carolina 44.

HEPS

West Point, N.Y., May 6-100, Brown (Pa) 10.64. 200, Hall (Cor)
21.51. 400, Francis (Cor) 47.08. 800, Nadler (D) 1:51.8. 1500, Murray
(Pa) 3:44.7. St, Fitzsimmons (H) 9:04.2. 5000, Sholtes (Pa) 13:57.3;
2. Alitz (A) 13:58.6. 10,000(5/5), Alitz 29:18.5. 110H, Willis (A) 14.35.
400H, Mancini (Pa) 52.70. 4 x 100, Cornell 40.28. 4 x 440, Cornell
3:14.9.

HJ, Mazbender (Pr) 6-8. PV, Dillingham (N) 15-8. LJ, Witherspoon
(Cor) 23-11½. TJ, Nipinak (Pa-Can) 51-3. SP, Doupe (Cor) 59-2¾. DT,
P. Baginski (Cor) 172-8. HT, Jansson (D) 193-11; 2. Bruno (B) 191-11;
3. Ajootian (H) 191-8; 4. Wiener (A) 190-10; 5. Lenz (H) 188-10; 6.
Kania (D) 186-9; 7. Mancino (Pr) 186-6. JT, Kreider (A) 241-8.

Teams: 1. Cornell 72; 2. Penn 63½ (had won previous 7 meets); 3.
Army 45; 4. Princeton 31; 5. tie, Navy & Harvard 26; 7. Dartmouth
25½; 8. Brown 20; 9. Yale 11; Columbia 0.

BIG 10 WOMEN

Evanston, Ill., May 5-6-100, Hightower (OS) 11.56; 2. Green
(MS) 11.75. 200, Gilliam (MS) 23.77; 2. Moore (Mi) 24.14. 400,
Moore (W) 56.57; 2. Latter (MS) 56.65.

800, Latter 2:09.6; 2. Brewster (W) 2:10.4. 1500, Twomey (Mn)
4:33.4; 2. Houston (W) 4:33.8. 3000, Twomey 9:43.3; 2. Berry (MS)
9:48.2. 5000, Morin (W) 17:06.5; 2. Moyer (Il) 17:19.2.

● 100H, HIGHTOWER 13.56 (8th performer all-time U.S.); 2. Hat-
chette (MS) 13.96.

400H, Dunlop (Ia) 63.37; 2. Grinaker (W) 64.09.

4 x 110, Michigan 47.04; 2. Iowa 47.40. 4 x 440, Wisconsin 3:50.5;
2. Michigan State 3:52.5. 4 x 880, Wisconsin 9:01.2; 2. Minnesota
9:16.4. 880SpMed, Michigan State 1:47.4; 2. Wisconsin 1:47.5.

HJ, Washington (Il) 5-7¾; 2. Kaliszewski (OS) 5-6½. LJ, White
(P) 16-10¾; 2. Whiteshall (P) 16-8. SP, Barber (MS) 44-¼; 2. Gor-
don (W) 39-9¾. DT, Marzich (OS) 126-3; 2. Prouty (MS) 125-9.
JT, Eastridge (P) 122-0; 2. Nagengast (W) 121-3. Pent, Kneuer (W)
3600 (15.38, 35-8, 5-1, 17-7½, 2:27.2); 2. Kintzel (Ia) 3394.

Teams: 1. Wisconsin 174; 2. Michigan State 165; 3. Ohio State
68; 4. Iowa 54; 5. Purdue 44; 6. Illinois 43; 7. Minnesota 41; 8.
Michigan 10; 9. Northwestern 0. [Indiana did not compete.]

WESTERN ATHLETIC CONFERENCE

EASTERN AIAW

El Paso, May 5(a)-6(b) /altitude 4200 feet/-100(8.8, b), Deal (UT EP) 10.06; 2. Parrell (U) 10.18; 3. Moore (AS) 10.35; 4. Evans (NM) 10.61; 5. Hill (CS) 10.71; 6. Walker (A) 10.91.(Strozier & Burl dnc). 200(b, 6.41), Parrell 20.63; 2. Deal 20.84; 3. Moore 20.86; 4. Edwards (AS) 21.06; 5. Evans 21.52; 6. Dramiga (NM-Ug) 21.79. Heats(a, w): I-1. Deal 20.65; 2. Moore 20.76. 400(b), Darden (AS) 46.74; 2. McKenzie (AS) 46.83; 3. Robinson (U) 46.93; 4. Dramiga 47.49; 5. Ongwae (NM-Ken) 47.74; 6. Hunt (A) 48.99.

800(b), Lemashon (UTEP-Ken) 1:49.8; 2. Frichtel (CS) 1:52.0; 3. Schultz (BYU) 1:52.1; 4. Ongaga (UTEP-Ken) 1:52.5; 5. Johnson (A) 1:53.5; 6. Romero (NM) 1:53.6. 1500(b), Munyala (UTEP-Ken) 3:48.7; 2. Kipkurgat (NM-Ken) 3:49.2; 3. Hyde (BYU) 3:50.8; 4. Hunt (A) 3:51.4; 5. Marsh (BYU) 3:51.5; 6. Lakeman (A) 3:52.1.

St(a), Munyala 8:43.0 (4th title in a row); 2. Marsh 8:49.0; 3. Cabinnallas (BYU-Mex) 8:47.8; 4. Morris (U-GB) 9:01.4; 5. Koroso (NM-Ken) 9:01.4; 6. Lawrence (BYU) 9:13.6. 5000(b), Musyoki (UTEP-Ken) 14:10.6; 2. Hernandez (BYU-Mex) 14:12.5; 3. Gomez (UTEP-Mex) 14:20.3; 4. Nzau (W-Ken) 14:31.1; 5. Sirma (UTEP-Ken) 14:32.9; 6. Koech (UTEP-Ken) 14:38.3. 10,000(a), Musyoki 29:12.6; 2. Sirma 29:16.1; 3. Gomez 29:34.5; 4. Hernandez 29:42.9; 5. Nzau 30:30.4; 6. Shoots (A) 31:09.7.

110H(b, 6.64), Kimaiyo (NM-Ken) 13.89; 2. Still (A) 13.96; 3. Jackson (AS) 14.17; 4. Mayuku (UTEP-Ken) 14.19; 5. Echavarría (BYU-Mex) 14.21; 6. Gilliams (CS) 14.29. 400H(b), Kimaiyo 50.36; 2. Williams (W-Can) 51.28; 3. Boogman (UTEP-Hol) 51.57; 4. Steele (CS) 53.84; 5. Giron (NM) 54.21; 6. Taylor (BYU) 55.11. Heats(a): II-1. Williams 51.13.

4 x 110(b), Arizona State 40.48 (Edwards, Darden, Moore, Jackson); 2. Utah 40.53; 3. UTEP 40.66; 4. New Mexico 42.06; 5. BYU 42.97; 6. Colorado State 43.21. 4 x 440(b), Arizona State 3:15.1 (McKenzie, Moore, Burl, Darden); 2. BYU 3:15.5; 3. UTEP 3:16.5; 4. Utah 3:19.4; 5. New Mexico 3:20.2; 6. Colorado State 3:20.4.

HJ(a), Olson (BYU) 7-0; 2. Nielson (BYU) 7-0; 3. Smith (UTEP) 6-10; 4. Curtis (A) 6-10; 5. Frazier (A) 6-10; 6. Stapleton (BYU) 6-10. PV(b), Vahlstrom (UTEP) 16-0; 2. tie, Jacobs (A) & Debevetz (U) 15-6; 4. tie, Barela (AS) & Ward (BYU) 15-6; 6. Taylor (BYU) 15-6.

LJ(a, w), Jackson 26-8½ (also 26-4½, 26-1½); 2. Hutchins (UTEP) 25-11; 3. Laniyan (UTEP-Ken) 25-3½; 4. Henderson (A) 24-7¼; 5. Rusling (CS) 24-2½; 6. Myers (CS) 24-½. TJ(b, w), Hanna (UTEP-Bah) 53-3¾; 2. Hutchins 53-3¾; 3. Laniyan 53-1¾; 4. Henderson 52-10¼; 5. Brink (BYU-Swe) 51-1½; 6. Johnson (CS) 49-½.

SP(b), Almstrom (UTEP-Swe) 65-2 (65-2, 63-3, 63-3, 63-1½, 62-2½, 62-½); 2. Nilsson (BYU-Fin) 61-4½; 3. Walvik (UTEP-Nor) 58-0; 4. Gardenkrans (BYU-Swe) 58-0; 5. Heide (AS) 57-6; 6. Hart (U) 53-2. DT(a), Walvik 199-11; 2. Gardenkrans 192-4; 3. Almstrom 177-0; 4. Heide 176-10; 5. Rider (BYU) 174-3; 6. Headley (UTEP) 164-0.

● HT(a), BERRY (UTEP) 229-4 (7th performer all-time U.S.; 5th performer all-time college); 2. Sjolholm (UTEP-Swe) 216-7; 3. Kuusela (BYU-Fin) 208-9; 4. Duffala (CS) 192-2; 5. Gardenkrans 160-0; 6. Nilsson 153-9.

JT(b), Gasser (BYU) 224-5; 2. Jacobs (A) 221-1; 3. Paur (U) 218-9; 4. Chapman (AS) 198-9; 5. Davidson (W) 191-10; 5. Scelletti (NM) 191-7. Dec(5/4-5), Steiner (BYU-Arg) 7629 (11.3, 24-2, 50-3¾, 6-3¾, 52.7, 14.8, 146-1, 12-4, 202-3, 4:36.2); 2. Jacobs (A) 7511 (11.2, 22-0, 43-4½, 6-1¼, 50.4, 15.3, 148-10, 15-4, 226-8, 5:11.2—led by 80 points going into 1500); 3. Miller (BYU) 7361; 4. Young (BYU) 6665; 5. Berela (AS) 6431; 6. Ming (CS) 6313.

Teams: 1. UTEP 223; 2. BYU 138½; 3. Arizona State 85; 4. Arizona 55; 5. Utah 54; 6. New Mexico 53; 7. Colorado State 26; 8. Wyoming 16½.

Slippery Rock, Pa., May 5(a)-6(b) /cold, rainy/-100(b), Young (UDC) 12.12; 2. Marshall (Dela St) 12.24; 3. Hampton (Upsala) 12.24. 200(b), Young 24.04; 2. Murray (Pitt) 24.70; 3. Hampton 25.25. 400 (b), Thomas (St John's) 54.0 (hand-timed); 2. Peynado (Rut) 55.3; 3. Miller (Md) 55.9.

800(b), Fales (Penn St) 2:09.6; 2. Ennis (Montc) 2:10.7; 3. Giebel (Md) 2:10.8. 1500(b), Mills (Penn St) 4:23.7; 2. Bankes (Penn St) 4:24.7; 3. Leddy (Vill) 4:31.5. 3000(b), Mills 9:27.3; 2. Bankes 9:36.2; 3. Rawe (Penn St) 9:58.6.

● 5000(a), MILLS 16:01.4 (4th performer, 5th performance all-time U. S.) (15:28.3y—2nd performer, 3rd performance all-time U. S.); 2. Bankes 16:32.0 (15:59.4y); 3. Cleary (Penn St) 17:24.3.

100H(a), Deutsch (Rut) 14.19; 2. Knighton (Penn St) 14.43; 3. Girven (Md) 14.54. 400H(b), Brinkley (UDC) 60.00 (4th race ever); 2. White (Md) 62.47; 3. Deutsch 63.76; . . . disq [trail leg]—Miller (Penn St) [60.50].

4 x 100(b), Maryland 47.91 (Groom, Girven, Hill, Jackson); 2. Delaware State 48.49; 3. UDC 49.01. 4 x 400(b), Penn State 3:48.7 (Fales 56.4, Leatherman 57.5, Ventura 57.5, Miller 57.2); 2. Maryland 3:51.7; 3. Pittsburgh 3:54.5. 4 x 800(a), Penn State 9:05.4 (Mills 2:13.9, Rawe 2:15.3, Byrnes 2:18.5, Miller 2:18.7); 2. Maryland 9:21.2; 3. Rutgers 9:22.5. 800SpMed(a; 100, 100, 200, 400), Penn State 1:45.5 (Knighton, Fales, Leatherman 25.9, Ventura 54.7); 2. St. John's 1:45.8 (Thomas 53.6); 3. Pittsburgh 1:46.2.

HJ(b), Girven 5-10; 2. Fitzpatrick (Westchester St) 5-7; 3. Ribik (Pitt) 5-7; 4. Chase (Md) 5-6. LJ(a), Knighton 17-10¼; 2. Herbert (Dela St) 17-5½; 3. Smithers (Rut) 17-4½.

SP(b), Redvict (Dela St) 41-11¼; 2. D'Elío (Rut) 39-8½; 3. Lage (Md) 39-4. DT(a), Owens (Md) 131-10; 2. Millman (Slip Rock) 131-8; 3. Russo (Rut) 126-3. JT(b), Scherich (Pitt) 152-3; 2. Hagerich (Slip Rock) 141-3; 3. O'Carroll (Rut) 137-6. Pent(a-b), Lynch (Vermont) 3458 (15.7, 30-9, 4-11, 17-10½, 2:25.0); 2. Lemire (Md) 3418; 3. Koinig (Cath) 3116.

Teams: 1. Penn State 133; 2. Maryland 102; 3. Rutgers 63; 4. Delaware State 44; 5. tie, Pittsburgh & University of District of Columbia 42.

BIG 8 WOMEN

Stillwater, Ok., May 5-6 /all finals 6th, save 5000/-100, Calmese (K) 11.86; 2. Davidson (KS) 12.16; 3. Tatum (N) 12.19. 200, Calmese 24.17; 2. Tatum 24.54; 3. Davidson 24.61. 400, Seaton (N) 55.39; 2. Kuhlman (K) 56.57; 3. Trent (KS) 57.14.

800, Ballenger (C) 2:08.8; 2. De. Vetter (IS) 2:08.8; 3. Bjelland (O-Nor) 2:09.5 [Decker /C/ did not compete]. 1500, De. Vetter 4:22.7; 2. Di. Vetter (IS) 4:25.4; 3. Urish (KS) 4:26.1.

3000(hand-timed), Schilly (IS) 9:49.3; 2. Urish (KS) 9:51.2; 3. Bridges (OS) 9:54.1. 5000(hand-timed), Seybold (IS) 16:46.6; 2. Bridges 16:54.4; 3. Schilly 17:05.0.

100H(b), Esser (IS) 14.51; 2. Chambers (C) 14.57; 3. Lowry (K) 14.65. 400H(hand-timed), Esser 59.1; 2. Mahal (IS-Can) 60.5; 3. Lowry 62.6.

4 x 100, Kansas 46.99 (Lowry, Miles, Kuhlman, Calmese); 2. Kansas State 47.51; 3. Iowa State 48.19. 4 x 400, Iowa State 3:48.6 (Johnson, Davis, Esser, Mahal); 2. Nebraska 3:50.3; 3. Colorado 3:55.4. 4 x 800, Nebraska 9:03.4 (Vickers, Hitz, Dixon, Fox); 2. Iowa State 9:11.8; 3. Missouri 9:16.6. SpMed, Kansas 1:43.4 (Miles, Lowry, Calmese, Kuhlman); 2. Nebraska 1:44.7; 3. Kansas State 1:45.0.

HJ, Moeller (KS) 5-6; 2. Corwin (K) 5-4; 3. Deetz (IS) 5-4. LJ, Bates (N) 19-3¾; 2. Johnson (IS) 19-2¼; 3. Lancaster (O) 18-5¾.

SP, Hansen (O-Nor) 47-9½; 2. Long (KS) 44-1¼; 3. Beneke (N) 41-11.
 DT, Morris (IS) 144-4; 2. Koontz (N) 141-9; 3. Denny (C) 139-10.
 JT, Hansen 141-0; 2. Blakeslee (IS) 136-5; 3. Koontz 125-9.
 Teams: 1. Iowa State 163; 2. Nebraska 97; 3. Kansas 95; 4.
 Kansas State 89; 5. Colorado 39; 6. Oklahoma 38; 7. Missouri 17;
 8. Oklahoma State 15.

OHIO VALLEY CONFERENCE

Murfreesboro, Tn., May 5(a)-6(b)-100(b), Williams (A Peay) 10.3;
 2. Hopkins (Wn Ky-Aus) 10.4. 200(b), Hopkins 20.7; 2. Washington
 (Morehead) 21.0; 3. Williams 21.0. 400(b), Stegall (M Tn) 46.8; 2.
 Washington 46.9.
 800(b), Warren (Murray-GB) 1:48.9; 2. Rafferty (Murray) 1:50.3.
 1500(b), Flynn (E Tn-Eire) 3:45.1; 2. Brewer (Murray-GB) 3:45.8; 3.
 Chimes (Murray-GB) 3:46.9. 5000(b), tie, Flynn & Kenny (E Tn-Eire)
 14:16.6; 3. Odlin (Murray-GB) 14:20.0. 10,000(a), Odlin 29:02.0; 2.
 Kenny 29:04.0.
 110H(b), R. Moore (Tn Tch) 14.0; 2. G. Moore (En Ky) 14.1. 400H
 (b), Holloway (M Tn) 51.0; 2. Douglas (Wn Ky) 51.1. 4 x 110(b), West-
 ern Kentucky 40.6 (Wingo, Tynes, Agee, Hopkins); 2. Austin Peay 41.3.
 4 x 440(b), Middle Tennessee 3:14.2 (Ransom, Faye, Robinson, Stegall);
 2. East Tennessee 3:15.5.
 HJ(a), Kidd (A Peay) 6-11; 2. Leitmayr (Murray) 6-11. PV(b), Col-
 ivas (A Peay) 16-6; 2. Hocker (Wn Ky) 16-0. LJ(a), Faye (M Tn-Gam)
 25-¼; 2. Artis (M Tn) 24-10; 3. DoDoo (M Tn-Uga) 24-9¼. TJ(b),

DoDoo 51-11¼; 2. Howard (A Peay) 51-9¼; 3. Artis 51-1¼.
 SP(a), DeCandia (En Ky) 56-7; 2. Hausauer (M Tn) 56-1. DT(b),
 Hall (A Peay) 154-4; 2. Chambul (W Ky-Can) 149-11. JT(a), Whitman
 (Morehead) 210-0; 2. T. Roggy (En Ky) 202-6.
 Teams: 1. Middle Tennessee 119; 2. Western Kentucky 101; 3.
 Austin Peay 82; 4. Murray State 77; 5. East Tennessee 61; 6. Eastern
 Kentucky 55; 7. Morehead State 46; 8. Tennessee Tech 14.

ILLINOIS INTERCOLLEGIATES

Macomb, May 5(a)-6(b)-100(b), Kee (SI) 10.6. 200(b), Jones
 (IS) 21.1; 2. Kee 21.2. 400(b), Lively (SI) 47.71. 800(b), White (I)
 1:51.3. 1500(b), Eicken (I) 3:46.3. St(a), Craig (SI) 9:07.0.
 5000(b), Reinking (EI) 14:08.0. 10,000(a), Avery (I) 29:22.6; 2.
 Walters (I) 29:39.9. 110H(b), Roberts (SI) 14.12. 400H(b), Duckworth
 (IS) 51.7; 2. Giscoombe (III/CC) 51.8. 4 x 110(b), Western Illinois 40.94
 (Clerkley, Wall, Safranski, Edmond). 4 x 440(b), Southern Illinois
 3:14.7 (Lively, Peeler, Lee, Dorsey).
 HJ(b, indoors), Taylor (WI) 7-0; 2. Reavis (I) 7-0. PV(b, indoors),
 Johnson (SI) 16-0; 2. Byrne (EI) 16-0. LJ(a, indoors), Rock (SI-Can)
 25-5¼; 2. Rice (WI) 25-4¼; 3. Lorraway (SI-Aus) 24-9; 4. Pinnick (IS)
 24-3¼. TJ(b), Lorraway 51-5¼; 2. Reavis 51-1¼.
 SP(a), Marks (SI) 57-1¼. DT(b), Podolski (SI) 173-7. HT(b), Pod-
 olski 180-9. JT(b), Roggy (SI) 236-1. Dec(5/4-5), Stoermer (WI) 6747.
 Teams: 1. Southern Illinois 211; 2. Illinois 151; 3. Eastern Illi-
 nois 86; 4. Illinois State 81; 5. Western Illinois 67.

U.S. RESULTS

DELAWARE

Delaware State Women's Invitational, Dover, April 15-100, Young
 (UDC) 11.7. 200, Young 24.1. 400, Griffith (Adel-Guy) 54.3; 2. Clagon
 (Morg) 54.9. 800, Leddy (Vill) 2:17.9. 1500, Leddy 4:44.9. 4 x 100,
 Morgan State 47.1. 4 x 440, Morgan State 3:49.1. SpMed, Morgan State
 1:47.8. LJ, Griffith 20-5.

PENNSYLVANIA

Penn Relays, Philadelphia-10,000(4/27), 7. Flora (NEn) 28:46.1;
 8. Hodge (GBTC) 28:59.6; 9. Bradley (RAA) 28:59.8; 10. Maguire (PPC)
 29:00.0; 11. Hartnett (Prov-Eire) 29:11.7; 12. Cohen (NJAA) 29:16.8.
 Consolation 4 x 400(4/29), Rice 3:08.4; 2. Essex CC 3:09.1; 3. Penn
 State 3:09.2.

FLORIDA

Florida State 96-Florida 67, Gainesville, May 6-100, Johnson (FS)
 10.8; 2. Roberson (FS) 11.0. 200, McCoy (FS) 21.82; 2. Roberson
 21.83. 400, McCoy 45.7; 2. Gray (F-Jam) 46.9; 3. Barriffe (F-Jam) 46.9.
 800, Maiyo (F-Ken) 1:49.9. 1500, Maiyo 3:47.5. 5000, Cook (FS)
 14:40.1. St, Sautter (FS) 9:09.8. 110H, Citron (FS) 14.1; 2. Roberson
 14.5. 400H, Barriffe 51.4.
 HJ, Pringle (F) 6-10. LJ, Neal (F) 24-9. SP, Luckie (F) 60-4¼. DT,
 Cooper (FS-Bah) 189-0; 2. Luckie 186-10.

TENNESSEE

Dogwood Relays, Knoxville, April 14-10,000, 8. Henry (FTC)
 29:09.0.

Tennessee Intercollegiate, Clarksville, April 29-120H(w), Moore
 (Tn Tech) 13.7; 2. Fogarty (A Peay-Can) 13.8. HJ, Jenkins (Memph) 7-1.
 LJ, Faye (M Tn-Gam) 23-8¼; 2. Do Doo (M Tn-Ug) 23-3. TJ, DoDoo 50-6.
 Teams: 1. Austin Peay 160; 2. Middle Tennessee 158; 3. Memphis
 State 131.

WISCONSIN

Wisconsin 97-Minnesota 47, Madison, May 6-1500, Randall (W-
 Can) 3:45.4; 2. Lacy (W) 3:45.4; 3. Plasencia (M) 3:47.8. St, Stintzi (W)
 8:48.8. SP, Braun (W) 60-7.

MICHIGAN

Central Michigan 105-Michigan State 57, Mount Pleasant, May 3-
 100, Smith (MS) 10.2. 200, Smith 21.1. 400H, Alexia (CM) 51.2; 2.
 Klein (MS) 51.4. HJ, Winsor (CM) 7-¼. 4 x 440, Central Michigan 3:12.1.

WASHINGTON

UW Twilight, Seattle, May 6-100, Bradley (Port U) 10.2. 200,
 Bradley 20.9. 2M, Gustafson (Wa) 8:38.9.
 Washington State-Montana-Weber State, Pullman, May 6 /WS 124-
 M 56; WS 134-Web 33; M 95-Web 47/-100(w), Halson (WaS-Aus) 10.1;
 2. Grassell (M) 10.1. 200, Gray (WS) 21.3. 400, Ramsey (WaS) 47.5.
 1500, Kimobwa (WaS-Ken) 3:51.7. St, Evans (WaS-Can) 8:51.9; 2.
 Strong (Web) 8:57.6. 5000, Cheruiyot (WaS-Ken) 13:38.2; 2. Kimeto
 (WaS-Ken) 13:42.1. 110H, Turner (WaS) 13.9. 400H, Turner 51.3. 4 x
 110, Washington 41.8. 4 x 440, Montana 3:14.5.
 HJ, Allen (WaS) 6-10. PV, Worden (WaS) 17-3¼; 2. Goodman (WaS)
 16-6. DT, Jesernig (WaS) 166-6. HT, Jesernig 198-1. JT, Lorenzen (WaS)

MASSACHUSETTS

Harvard 130-Yale 32, Allston, April 25-HT, Lenz (H) 187-9; 2. Ajoonian (H) 184-7. JT, Womack (Y) 237-6.

GEORGIA

Spec Towns Invitational, Athens, May 6-100, Lattany (Ga) 10.1; 2. J. Williams (Rich) 10.3. 200, Austin (E Car) 21.0. 400, Jordan (App St) 47.4. 800, Obare (Fur-Ken) 1:49.3; 2. Barker (Fur) 1:49.9. 1500, Perkins (Rich) 3:44.9; 2. Moody (Pem) 3:45.4; 3. Byrne (Gtn) 3:45.9. St, Tuwei (Rich-Ken) 8:41.8; 2. Mwobobia (Fur-Ken) 8:53.9. 110H, Rankins (E Car) 14.0. 4 x 100, Georgia 40.0; 2. East Carolina 40.2.

HJ, Rowland (Ga Tech) 7-1; 2. Hubbard (App St) 7-1. SP, Shipman (Pem St) 57-5½. DT, Shipman 187-8; 2. McClain (Ga Tech) 180-5. TJ, Peters (Al-Ant) 52-6; 2. McIntyre (E Car) 51-3¾; 3. Lowe (Ga Tech) 49-4¾.

LOUISIANA

LSU 88-Northwestern Louisiana 61-Mississippi State 37, Baton Rouge, May 6-100(-2.42), Scott (LSU) 10.55; 2. Turner (LSU) 10.61. 200, Scott 20.65; 2. Duper (NW) 21.50. 400, Swacker (NW) 46.65; 2. Otono (MS-Nig) 46.83; 3. Hill (LSU) 47.09. 4 x 110, LSU 40.2. LJ, Handy (NW) 25-1¼.

KANSAS

Central States Intercollegiate Women, Hays, May 6-SP, Stenwall (Kear St) 47-3½.

OREGON

Oregon Women's Open, Eugene, May 5-DT, Winbigler (OTC) 174 174-7; 2. Stevenson (Or) 151-8. JT, Kearney (Or) 154-5; 2. Lambrecht (OCE) 149-11; 3. Hall (Or St) 149-1; 4. Stolenburg (Port St) 140-8.

INDIANA

Indiana 74-Michigan 70, Bloomington, May 6-200, Grace (M) 21.13. 400, Peters (I-Nig) 46.61. 800, Thomas (M) 1:49.6; 2. Hughes (I) 1:50.2. 1500, Elliott (M) 3:46.9. St, Stoneman (I) 8:53.5. 400H, Hicks (M) 51.64. 4 x 100, Michigan 40.05. 4 x 400, Michigan 3:08.4; 2. Indiana 3:09.1.

HJ, Lattany (M) 7-1. PV, Fox (I) 16-6; 2. Stokes (M) 16-¼. TJ, Cannon (I) 50-3.

IOWA

Drake Relays Decathlon, Des Moines, April 26-27-2. Howell (10.6, 22-5¾, 44-8¾, 5-11, 49.0, 14.5, 139-6, 14-1¼, 175-11, 4:39.7); . . . 7. Lineweaver 7317; . . . 9. Benedict 7171.

NEW MEXICO

Lobo Women's Invitational, Albuquerque, April 29 /20mph winds/-100(w), Brady (AS) 11.7; 2. Calhoun (Az St) 11.7; 3. Crawford (Az St) 11.7. 200, Brady 24.7; 2. Boyer (Az St) 24.9. 100H(w), Brady

13.3; 2. Calhoun 13.3; 3. Carson (Az St) 13.9.

HJ, Bogers (UTEP-Hol) 5-5½. LJ(w), Carson 19-5. SP, Smith (UTEP-Hol) 48-¼. DT, Stalman (UTEP-Hol) 180-6; 2. Bogers 170-4. Teams: 1. Arizona State 199; 2. Northern Colorado 122.

TEXAS

TWU Invitational, Denton, April 1-4 x 440, Texas 3:52.4.

El Paso Invitational, El Paso, April 22-4 x 440, Arizona State 3:07.1.

AC, El Paso, April 29-PV, Jesse (PPC) 18-5 (=6th performer all-time world; =5th performer all-time U.S.); 2. Haynie (Quest) 18-½ (14th American 18-footer). SP, Diaz (NM St) 61-3¾.

Texas 73-Texas A&M 72-TCU 16, Austin, May 4-100(0.72), Jones (T) 10.1. 200, Clary (T) 21.0. 4 x 100, Texas 40.4. DT, Scott (A&M) 186-10. JT, Lyons (T) 231-3.

Texas Women's High School Championships, Austin, May 6-100, Coleman (Pollard, Beaumont) 10.5. 400, Coleman 53.4.

CALIFORNIA

Northridge Women 80-Long Beach State 57, Northridge, April 1-100, Howard (N) 11.4. 200, Lynch (LB-GB) 23.7. 400, Weston (N) 56.0. 800, Antoniewicz (N) 2:17.5; 2. Brown (N) 2:17.5; 3. Weston 2:21.0. 1500, Brown 4:38.6. 3000, Brown 10:25.5. 100H, Anderson (N) 14.4. 400H, Bottomley (LB) 63.5. 4 x 110, Long Beach 47.6. 4 x 440, Northridge 3:53.2. 4 x 880, Northridge 9:16.6. SpMed, Northridge 1:44.7.

HJ, Huntley (LB) 5-6; 2. Anderson 5-4. LJ, Anderson 20-5¾; 2. Huntley 20-3¾ PR; 3. Walker (LB) 19-0. SP, Marshall (N) 49-1; 2. Dole (LB) 46-10. DT, Marshall 163-11. JT, Camarigg (LB) 140-6.

Northridge 198-UNLV 119-San Diego State 108-Arizona 43, Northridge, April 22 /N 87-SDS 43/-100, McKinley (N) 11.7. 200, Render (LV) 24.3. 400, Weston (N) 54.7. 800, Brown (N) 2:11.8. 1500, Brown 4:29.3. 5000, Brown 17:05.1; 2. Kinsey (N) 17:05.1. 100H, Branch (LV-Can) 14.0; 2. Render 14.0. 400H, Humphries (A) 62.5.

4 x 110, UNLV 46.7. 4 x 440, Northridge 3:48.7. 4 x 880, Northridge 9:06.0. SpMed, San Diego State 1:45.7. HJ, Crump (LV-Can) 5-4. LJ, Anderson (N) 20-9¾; 2. Page (SD) 19-2½. SP, Marshall (N) 46-4. DT, Marshall 148-0. JT, Dietrich (SD) 161-4; 2. Dutton (SD) 151-3.

LA State 85½-Fresno State 77½, Fresno, April 29-100(2.56), Turner (LA) 10.46; 2. Carr (LA) 10.48; 3. Hart (LA) 10.50. 200(3.1), Hart 21.0. 110H(1.91), Turner 13.91; 2. Carley (FS) 14.01. 400H, Mince (FS) 51.23. 4 x 100, LA State 40.51.

PV, Eskola (LA-Fin) 16-6. DT, Endler (FS) 173-11.

Avenue of the Giants Marathon, Weott, May 7-Johnson 2:18:17; 2. Badgley 2:19:36; 3. Purpura 2:21:44.

Sorry high school fans, no prep highlights in this issue. You can thank your friendly postal service for that. To get the newsletter out to you on time (i.e., before the next weekend) we have to operate on a precision schedule. And when the reports from our prep editors didn't arrive on time, we had to move without them. We'll give you bigger-than-ever coverage next week.

1978 U.S. TOP TEN

The Top 10 in each of the standard events, as reported to *T&FN* by May 10. 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 Gance (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)
 10.28 Bill Collins (PPC)

- 3:54.9i Dick Buerkle (NYAC)
 3:56.6 Wilson Waigwa' (PPC)
 3:58.1 *Don Paige (Vill)
 3:58.6 Dave Hill' (FTC)
 3:59.1i 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)
 20.41 **Greg Foster (UCLA)
 20.48 ***James Sanford (Sn Cal)
 20.52 Millard Hampton (UCLA)
 20.53 **James Mallard (HJC)
 20.57 *Harvey Gance (Aub)
 20.65 ReVey Scott (LSU)
 20.87 *Mike Roberson (FI St)
 20.5 James Lofton (Stan)
 **William Mullins (Sn Cal)
 Don Quarrie' (Tob)

- STEEPLE (8:08.0; 8:21.6)**
 8:14.8 **Henry Rono' (Wa St)
 8:32.5 Henry Marsh (BYU)
 8:36.9 *Bruce Bickford (NEN)
 8:37.3 James Munyala' (UTEP)
 8:38.4 Jim Johnson (CNW)
 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 Darroi Gatson (Al)
 45.30 Adrian Rodgers (Tob)
 45.64+ Evis Jennings (Ms St)
 45.65 **Donn Thompson (UCLA)
 45.70 *Joseph Coombs' (Al)
 45.72 **Walter McCoy (FI St)
 45.77 ***James Sanford (Sn Cal)
 45.85 Stan Vinson (UCTC)

- 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 (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)**
 3:38.6i Wilson Waigwa' (PPC)
 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)
 3:41.3 Tom Byers (Oh TC)
 3:41.9i Bruce Fischer (UCTC)
 World Leader:
 3:38.2i Antti Loikkanen (Fin)
 Thomas Weasinghage (WG)

- 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:
 2:09:06 Shigeru Sou (Japan)

- 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 + 0.14
 49.44+ *Sam Turner (LA St)
 49.54+ Rich Graybehl (Sn Cal)
 49.62 *James Walker (Aub)
 49.64+ *Quentin Wheeler (Cal)
 + *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)
 50.52 *Walter Pratt (Cal)

- 4 x 100 (38.03; 38.03)**
 *= 440 auto time - 0.23
 †= 400 hand time - 0.09
 += 400 hand time + 0.14
 38.85 Southern California
 38.92 Tobias Striders
 39.18 Philadelphia Pioneers
 39.25 UCLA
 39.31 Auburn
 39.61† Arizona State
 39.74+ Florida State
 † Tennessee
 39.75 Texas A&M
 39.77* LSU

- 4 x 400 (2:56.1; 2:56.1)**
 †= 4 x 440 - 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

- HIGH JUMP (7-7½, 7-7½)**
 7-7½i **Franklin Jacobs (FD)
 7-5i Kyle Arney (PPC)
 i Benn Fields (unat)
 i Gail Olson (Il HS)
 i Dwight Stones (DO)
 Tom Woods (PCC)
 7-4½ ***Jeff Woodard (Al)
 7-4 Bill Hansen (Ia)
 i **Kim Nielson (BYU)
 i Nat Page (UCTC)
 World Leader:
 7-8½i Vladimir Yashchenko (SU)

- POLE VAULT (18-8½, 18-8½)**
 18-5½i Mike Tully (UCLA)
 18-5 Larry Jessee (PPC)
 18-2½ Jeff Taylor (CNW)
 18-½ Ralph Haynie (Quest)
 18-0 Don Baird' (unat)
 i Dan Ripley (PCC)
 17-8½i Bob Pullard (All Am)
 17-8½ Mike Cotton (FAA)
 17-6½ *Frank Estes (Ab Chr)
 17-6 Earl Bell (PCC)
 i Roland Carter (Hurr)

- LONG JUMP (29-2½, 29-2½)**
 26-9½i Arnie Robinson (SDSGS)
 26-6i Tommy Haynes (US Ar)
 26-3½A *Carl Williams (Ab Chr)
 26-3 Charl. Ehizuelen' (Macc)
 26-1½ Randy Williams (Tob)
 26-1½ James Lofton (Stan)
 26-1i *Bob Calhoun (Md)

- 25-11½ Larry Doubley (SnCal)
 25-10½ **Stan Holmes (Tn)
 25-10½ Al Ogunfeyimi' (Ohio U)

- TRIPLE JUMP (58-8½, 56-5½)**
 56-5½ James Butts (Tob)
 55-11½ Willie Banks (UCLA)
 55-8½i **Ian Campbell' (WaSt)
 55-4½i Ron Livers (SJ St)
 54-9½i Milan Tiff (Tob)
 54-7½iA **Steve Hanna' (UTEP)
 54-5½ Rayfield Dupree (Macc)
 54-5½i *Ajayi Agbebaku' (Mo)
 54-2i Tommy Haynes (US Ar)
 53-10½ **Robert Cannon (In)
 i *Jerome Hutchins (UTEP)

- SHOT PUT (72-2½, 71-8½)**
 69-1½ Al Feuerbach (AW)
 67-1i Mac Wilkins (AW)
 66-10½i Colin Anderson (UCTC)
 65-5 *Dave Laut (UCLA)
 65-2 Hans Almqvist' (UTEP)
 64-7 **Jeff Stover (Or)
 64-2½i Mike Weeks (Macc)
 64-1½i Bruno Pauletto' (C Mi)
 63-10½ Pete Shmock (Tob)
 63-10½ Jesse Stuart (UCTC)
 World Leader:
 69-2½i 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 AC)
 202-4 Mike Weeks (Macc)
 201-9 Ray Burton (OTC)
 200-7 Marcus Gordien (unat)
 199-11 *Svein Valvik' (UTEP)

- HAMMER (260-2, 235-11)**
 238-7 *Scott Neilson' (Wa)
 229-4 Emmitt Berry (UTEP)
 224-11 Boris Djerassi (NYAC)
 216-7 ***Tommie Sjoholm' (UTEP)
 212-5 Larry Satchwell (UCTC)
 211-11 Dave McKenzie (unat)
 211-7 Dwight Mides (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 Phil Olsen' (Tn)
 276-8 Rod Ewaliko (CNW)
 269-3 Sam Strickland (CNW)
 264-9 Stu Ralph (Clemson)
 263-4 Bill Schmidt (KTC)
 262-0 Scott Sorchik (Bruce)
 261-8 *Frank Lyons (Tx)
 261-7 **Tom Petranoff (PalJC)
 261-5 Bruce Kennedy (Stars)
 World leader:
 290-9 Herman Potgieter (S Afr)

- DECATHLON (8618, 8618)**
 8026h **Tito Steiner' (BYU)
 8011h John Warkentin (USSA)
 7855h Al Hamlin (unat)
 7831h Mauricio Bardales (Irv)
 7829h John Whitson (DCD)
 7762h Roger George (AW)
 7690h Tony Hale (Fisk)
 7658h Jim Howell (Hurr)
 7585h Lee Palles (Ms St)
 7550h Steve Alexander (Hous)

WOMEN

100 METERS (10.88, 11.07)
 11.32 **Andrea Lynch' (LB St)
 11.33 *Evelyn Ashford (UCLA)
 11.2 *Brenda Morehead (Tn St)
 11.56 Steph. Hightower (OhSt)
 11.57 Valerie Brisco (Ca HS)
 11.4 Sandy Howard (North)
 Elaine Parker (Ca HS)

11.65 ***Debbie Adams (Or)
 11.67 ***Rhonda Brady (Az St)
 11.69 **Brenda Calhoun (Az St)
 World Leader:
 11.1 Annegret Richter (WG)

200 METERS (22.21, 22.62)
 22.5 *Evelyn Ashford (UCLA)
 22.8 Rosalyn Bryant (LA St)
 23.3 ***Ch. Cheeseborough (TnSt)
 *Brenda Morehead (TnSt)
 23.4 **Debbie Jones' (Tn St)
 23.77 Valerie Brisco (Ca HS)
 Cheryl Gilliam (Mi St)
 23.78 ***Brenda Calhoun (Az St)
 23.82 Marshall (Ca HS)
 23.7 **Andrea Lynch' (LB St)

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)
 53.54+ Robbin Coleman (Tx HS)
 53.64+***Helen Blake' (Tn St)
 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)
 +=hand time minus 0.8
 2:01.8 **Mary Decker (Co)
 2:03.9 **Ruth Caldwell (Cit JC)
 2:04.9 **Kathy Weston (North)
 2:05.0 Tec. Chemabwai' (Macc)
 +***Debbie Vetter (Ia St)
 2:05.2 Debbie Heald (SFVTC)
 2:05.4ti Francie Larriau (PCC)
 Ann Regan (Ca HS)
 2:05.6 Deanna Coleman (Wa HS)
 2:05.7 Cyndy Poor (AIA)
 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 Larriau (PCC)
 4:15.2i *Jan Merrill (Ct C)
 4:17.9i **Debbie Vetter (Ia St)
 4:18.0i Cindy Bremser (Wi TC)
 **Ruth Caldwell (Cit JC)
 4:18.5 Debbie Heald (SFVTC)
 4:18.9i Lynn Jennings (Ma HS)
 4:20.7 **Doreen Ennis (Montc)
 4:20.8***Diane Vetter (Ia St)
 World Leader:
 4:05.0i Natalia Maracescu (Rum)

MILE (4:23.8, 4:28.2)
 4:31.0 Francie Larriau (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 (Tn)
 4:42.6i***Julie Shea (NC St)
 4:43.4 Deanna Coleman (WaHS)

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 Jennifer White (WRC)
 9:31.2 **Debbie Quatier (SeaPac)
 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 (SeaPac)
 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 (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 (unat)
 2:46:46 Irene Griffith (WaHS)
 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 PatvanWolvelaere (SnCal)
 13.25 Jane Frederick (LATC)
 13.54 Steph. Hightower (OhSt)
 13.3 **Mod. Oshikoya' (UCLA)
 13.59 **Brenda Calhoun (Az St)
 13.68 ***Rhonda Brady (Az St)
 13.69 *Mitzi McMillin (Sn Cal)
 13.7 **Lena Gibbs (TWU)
 13.96 Kim Hatchette (Mi St)
 13.8 **Cecilia Branch' (UNLV)
 **Stella Edwinson (CSM)
 **Mary Smith (Tx Sn)

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)
 60.64+ **Ellie Mahal' (Ia St)
 + June Smith (DCI)
 60.74+ Sonya Henderson (Flash)
 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* Los Angeles 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 TC
 3:37.9t Prairie View
 3:38.4 DC International
 3:38.6i National Team
 3:41.5 Adelphi
 3:42.0t Texas Southern
 3:42.1t Morgan State
 3:43.5 Iowa State
 3:44.3t Lakewood
 3:44.7t 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 TC
 8:47.7t LATC
 8:49.0t Iowa State
 8:49.9 Penn State
 8:52.3t UCLA
 8:55.3 Florida State
 8:59.0t Liberty AC
 9:00.2t Nebraska
 9:00.6ti Wisconsin
 9:01.1t 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
 1:40.6t Morgan State
 1:41.2t Los Angeles State
 1:41.5t Texas Woman's
 1:41.7t Los Angeles TC
 1:42.1t Long Beach State
 1:42.2 Atoms TC
 1:42.6 Texas

HIGH JUMP (6-6 3/4, 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)
 5-10 3/4i Anne Gilliland (NM HS)
 5-10i Sharon Burrill (Co HS)
 Jalene Chase (Md)
 **Sherril Felton (Wa)
 Roberta Harper (Tx HS)
 ***Jo Anne McLeod' (Tn)
 **Theresa Smith (SeaPac)
 *Pam Spencer (Sea Pac)
 World Leader:
 6-4 3/4i Sara Simeoni (It)
 LONG JUMP (22-11 3/4, 22-3)
 21-6 1/2 **Kathy McMillan (Tn St)

21- 3/4 **Jodi Anderson (North)
 21-0 *Sherron Walker (LB St)
 20-11 3/4 **Mod. Oshikoya' (UCLA)
 20-5 ***June Griffith' (Adel)
 20-4 1/4 Gwen Loud (Ca HS)
 20-4 1/4 Lorraine Ray (FI)
 20-4 1/4 **Debra Carson (Az St)
 20-3 3/4 Amy Davis (HousTC)
 *Joni Huntley (LB St)
 World leader:
 21-11 3/4 Lyn Jacenko (Aus)

SHOT (73-2 3/4, 60-6 3/4)
 61-2 3/4i Maren Seidler (Stars)
 53-7 3/4 *Kathy Devine (Emp St)
 51-1 **Caryl Van Pelt (Wa)
 50-4 3/4 **Cecil Hansen' (Ok)
 49-8 3/4 **Jill Stenwall (KearSt)
 49-6 **Emily Dole (LB St)
 49-1 1/4 ***Jennifer Smit' (UTEP)
 49-1 Karen Marshall (North)
 49-0i *Mar Mecklenburg (S Pa)
 48-8 3/4i **Diane Patrick (Morehd)
 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 (S Pac)
 174-0 **Julie Hansen (S Pac)
 170-4 ***Betty Bogers' (UTEP)
 164-0 Karen Marshall (North)
 162-4 Lisa Vogelsang (Macc)
 162-3 ***Helene Connell (OcCC)
 161-0 *Carol Finsrud (Tx)

JAVELIN (227-5, 227-5)
 196-3 Karin Smith (SCM)
 193-1 Sherry Calvert (Lake)
 186-8 **Celeste Wilkinson (AzSt)
 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 (Oneider)
 155-2 ***Jeanne Eggart (Wa St)
 World leader:
 210-1 Eva Helmschmidt (WG)

PENTATHLON (4839, 4625)
 4242h **Jodi Anderson (North)
 4116h***Th. Zambryczki' (BYU)
 4100h Denise Cornell (LATC)
 3974h **Ann Crump' (UNLV)
 3922h Marilyn Linsenmeyer (LA)
 3913h **Dana Collins (Az St)
 3845h **Nancy Malloy (Co St)
 3828h **Terri Seippel (En Ky)
 3809h **Paula Girven (Md)
 3765h Lori West (Co)

LONG JAVELIN OPENERS

Munich, W.G., April 29—Women: Repser 201-0; 2. Smith (USC)
 Munchen—Karin) 193-2 (also 191-0).
 Stuttgart, W.G., April 30—Women: Helmschmidt 210-1 PR
 (7th performer all-time world).
 Trostberg, W.G., May 1—Women: Smith 196-3.