

## • MAJOR U.S. INDOOR MEETS •

### MASON-DIXON GAMES

Louisville, Kentucky, January 30-31  
(1/30-60, 500, 1000, 1500, 3000, 60H, 4 x 400, 4 x 800, HJ, LJ, SP)—  
200m banked boards.  
60m, Fleming (FTC) 6.96. 400, Davis (Maz) 48.4. 500, Goodwin (EnKy) 1:04.5. 1000, Peterson (unat) 2:13.4. 1500, Watkins (Jack) 3:58.2. Mile, Mazier (Pur) 4:06.6. 3000, Ede' (Ky) 8:17.8. 60H, R. Davenport (FTC) 8.19. 4 x 200, Eastern Kentucky 1:29.9. 4 x 400, Eastern Kentucky 3:18.9. Inv 4 x 400, Eastern Kentucky 3:19.2-4 x 800, Western Kentucky 7:45.0.  
HJ, Reed (Hous) 7-½. PV, Cooper (AIA) 17-9; 2. tie, Hodge (AIA) & Miller (ACU) 17-5½. LJ, Sanders (Ball) 25-5½; 2. Laine (LW) 24-7½. SP, Hearn (unat) 50-11½.

### MASON-DIXON-WOMEN

Louisville, Jan. 30-31 (1/30-60, 500, 1000, 3200, 60mH, 1600 med, HJ, LJ, SP)—  
60m, Dunlap (unat) 7.50.  
400, Oliver' (Tn) 54.72; 2. McMillan' (TnSt) 55.37; 3. Bennett (Tn) 56.5h.  
500, C. Blackman' (Snll) 1:12.2; 2. Bennett 1:13.5; 3. Moore (Tn) 1:14.0.  
1000y, Frosini (Ky) 2:33.3.  
Mile, Breiding (Ky) 4:41.9; 2. Raglin (En Ky) 4:45.5; 3. Davis (EnKy) 4:50.5.  
3000, Brewer (VAC) 9:43.7.  
3200, Orre (KyTC) 10:16.9.  
60H, Humphrey (EnKy) 8.61.  
4 x 200, Tennessee 1:37.4 (11 A, 10 C—5th-fastest school); 2. Ohio State 1:41.6.  
4 x 400, Tennessee 3:41.9.  
SPMed(1600), Eastern Kentucky 4:00.1.  
HJ, Bruff (AIAM) 5-9¼.  
LJ, M. Scott (unat) 18-6½; 2. Miles (AIAM) 18-5¼.  
SP, Bunge (OhSt) 49-7¼; 2. Woodhead (Tn) 46-6¼.

### MILLER LITE SKYDOME INVITATIONAL

Flagstaff, Arizona, January 31—  
352y unbanked synthetic—oversized. Altitude: 2107.  
55m, Leach (Tx) 6.25.  
300, Okon' (NM) 33.37.  
500, Patterson (Tx) 1:00.92; 2. Matterson (SMU) 1:01.13; 3. W. Graham' (Tx) 1:01.76.  
1000, Currie (NnAz) 2:26.22.  
1500, Caldwell (NnAz) 3:51.1.  
55H, Parker' (AzSt) 7.25.  
4 x 400, Texas 3:06.65; 2. SMU 3:07.00; 3. Northern Arizona 3:10.00.  
4 x 800, Cal State Los Angeles 7:46.61.  
● HJ, Lott (Tx) 7-6 (=5, =5 C).  
PV, White (USC) 17-3.  
LJ, Maas' (UTEP) 25-9¼; 2. Olivan' (USC) 25-3¼; 3. Carrol (NnAz) 24-4¼.  
TJ, Oporiski' (CSLA) 53-2¼; 2. Samuels' (SMU) 52-11½; 3. Joseph (NnAz) 50-4¼.  
SP, Wenj (USC) 62-6.  
Wt, Crawford (NM) 54-10.

### SKYDOME-WOMEN

55m, Franklin (UNLV) 6.92; 2. Tolbert (AzSt) 6.94; 3. Ready (UNLV) 7.04.  
300, I-1. Cy. Henry' (Maz) 38.32. II-1. Shurr (Pum) 39.29. III-1. Walsh' (unat) 37.73. IV-1. Stoute' (unat) 38.03.  
500, Hull (UNLV) 1:11.51.  
1000, Clark (USC) 2:51.55.  
55H, Nelson' (Tx) 7.73; 2. Davis (UNLV) 7.79; 3. Franklin 7.97; 4. Bates (USC) 8.00.  
Semis: I-1. Nelson' 7.75; 2. Franklin 7.91. 4 x 400, Northern Arizona 3:56.99.  
HJ, Feuerbach (NnAz) 5-11¼.  
LJ, Cy. Henry' 20-2¼; 2. Nelson' 19-5¼; 3. Bates 19-5; 4. Jiles (VentC) 18-6.  
TJ, Bates 41-9¼; 2. Jiles 38-2¼.  
SP, Lane (Tx) 46-4.

### ARKANSAS INVITATIONAL

Fayetteville, Arkansas, January 31—  
200m unbanked synthetic.  
55m, Wharry (EnOk) 6.23; 2. Kerr (TxAM) 6.25; 3. Stafford (Ok) 6.25.  
300, Heard (TxAM) 33.96.  
500, Peltier' (UTA) 1:02.71.  
1000, Jones (UTA) 2:26.71.  
● Mile, Falcon (Ar) 3:56.77 (10, x C); 2. G. Taylor' (Ar) 3:59.29; 3. Reu. Reina (Ar) 4:06.34; 4. Belcourt (OkSt) 4:10.77.  
2M, Ra. Reina (unat) 8:37.23.  
55H, Daniels (UTA) 7.30; 2. George (TxSn) 7.31; 3. Felton (TxAM) 7.35.  
4 x 400, Oklahoma 3:14.38.  
4 x 800, Grambling 7:39.18.  
HJ, Burke (TxAM) 6-10.  
PV, Pascoe (Ar) 17-0.  
LJ, George 25-5¼; 2. Register 24-8¼.  
TJ, Conley (Tys) 52-11.  
SP, Lofquist (unat) 64-10¼; 2. Wade (Ok) 61-3¼; 3. Dajia' (UTA) 56-3¼.

### LADY TERRIER INVITATIONAL

Boston, Feb. 1 /200m banked board/—  
200, Downing (MaHS) 24.78.  
● 500, Downing 1:12.05 HSR (old HSR 1:12.89 Roberts [MdHS] '87); 2. Knijn' (Bos U) 1:12.42; 3. Green' (unat) 1:12.63.  
800, Melton (LAC) 2:07.87; 2. Eddins (Ma/Bos) 2:07.88; 3. Vicanovic (BosU) 2:09.36.  
1500, McMacken (BosU) 4:22.98.  
● 3000, Le. Welch (Pum) 8:44.05 AR (old AR 8:47.3 Decker Slaney [AW] '82) (3, 3 W) (in/out: 6, x A) (2:51.9, 2:55.0 [5:46.9-8, 8 W; 3, 3 A], 2:57.2-70.2) (4:18.9/4:25.2) (4:36.9 1600); 2. Smith (Yale) 10:02.53.  
4 x 800, Yale 8:50.24.  
Wt, Young (StJ) 51-11¼.

### DALLAS MORNING NEWS

Dallas, Texas, February 7—  
176y banked board. Attendance: 10,173.  
60y(GP), Lewis (SMTC) 6.12; 2. McRae (Pitt) 6.13; 3. Witherspoon (SMTC) 6.13; 4. Cooper (McN) 6.20; 5. Heard (TxAM) 6.24; 6. McNeill (ECar) 6.25.  
Heats: I-1. Witherspoon 6.15; 2. McRae 6.20; . . . 5. Kerr (TxAM) 6.23; 6. King (NBal) 6.34. II-1. Lewis 6.18; 2. Cooper 6.18; . . . 6. Glance (AW) 6.49.  
● 300, Martin (SMU) 30.31; 2. Baptiste (AW) 30.55; 3. Madox (ACU) 30.80; 4. Shofars (TCU) 30.99.  
440(GP), Robinzine (SMU) 47.70; 2. Rowe (Accu) 47.93; 3. Armstead (Accu) 47.99; 4. Cameron' (adi) 48.57.  
500, Alexander (TCU) 57.1; 2. Mason (Hous) 57.1.  
● 600(GP), Redwine (AW) 1:08.55 (6, 7 W; 4, 4 A); 2. I. Morris' (Kar) 1:08.65; 3. Forde' (ACC) 1:08.75; 4. Spells (SMU) 1:10.59.  
880, Williams (Ar) 1:55.09; 2. Murray (Hous) 1:55.82.  
1000(GP), F. Williams' (ACU-SA) 2:05.74  
● NR (WL, CL) (4, 4 C); 2. Koskei' (Maz) 2:05.98; 3. Elliott'' (GB) 2:06.77; 4. Kwizera' (unat-Bur) 2:07.69 NR; 5. B. Brown (NYPC) 2:08.00; 6. Robinson (SMTC) 2:11.59; 7. Consiglio' (NBal) 2:12.4h.  
Mile(GP), Coghlan' (NYAC) 3:56.59; 2. Donovan' (Reeb) 3:57.37; 3. Padilla (AW) 3:58.57; 4. McKeon (ACC) 3:59.70; 5. Donoghue (adi) 4:01.66; 6. Ashford (BYU) 4:02.35.  
2M, Falcon (Ar) 8:38.05; 2. Ondieki' (Eto) 8:40.70; 3. Ru. Reina (Ar) 8:40.79; 4. Swain' (Reeb) 8:47.97.  
60H(GP), Foster (WC) 6.95 (WL, AL); 2. McKoy' (PCC) 7.02; 3. Clark (SMTC) 7.15; 4. Daniels (UTA) 7.18; 5. Parker' (AzSt) 7.22; 6. Register (Ar) 7.45.  
Heats: I-1. Foster 7.02; 2. Clark 7.14. II-1. McKoy' 7.16; 2. Parker' 7.20.  
4 x 440, Texas 3:12.24; 2. SMU 3:12.30; 3. Texas A&M 3:13.82; 4. TCU 3:15.71.  
PV(GP), Olson (PCC) 18-4¼; 2. Pursley (PCC) 18-4¼; 3. Bell (PCC) 18-1; 4. Volz (Tig) 17-9; 5. Hodge (AIA) 17-9; 6. Cooper (AIA) 17-5.  
TJ(GP), Harrison (KsSt) 54-6¼ (CL); 2. Hanna' (Maz) 54-4; 3. Emordi' (TxSn) 54-¼; 4. Tillman (Tn) 53-2¼; 5. Floreal' (Nb) 52-8¼; 6. Criddle (unat) 52-6¼; 7. Rutherford' (Hous) 52-1¼; . . . nm—Samuels' (SMU).  
SP(GP), Taffralis (SSTC) 68-3¼; 2. Backes (NYAC) 68-1¼; 3. Doehring (SSTC) 67-1¼; 4. Nilsen' (SMU) 65-8¼; 5. Oldfield (UCTC) 62-8.  
DALLAS-WOMEN  
● 60y(GP), Torrence (Ga) 6.64 (x, =10 C); 2. Bailey'' (Can) 6.75; 3. Cuthbert' (Pum) 6.78; 4. A. Brown (WC) 6.79; 5. Coates' (ACU) 6.80; 6. J. Bolden (WC) 6.81.  
440(GP), Walton-Floyd (unat) 54.15; 2.

Leatherwood (NBal) 54.25; 3. Hunter' (DeSt) 54.57; 4. Gabriel (Atoms) 56.80.

Mile(GP), Jones (OI) 4:37.20; 2. Bremser (WU) 4:37.32; 3. McGowan (Maz) 4:46.8h; 4. Dunn (Hous) 4:48.3; 5. Allison' (unat) 4:52.7; 6. Murnane (AIA) 4:58.5.

● 60H(GP), Joyner (WC) 7.51 (WL, AL) (=7, x W; =6, x A); 2. Y. Johnson (unat) 7.65; 3. Hunter' 7.67; 4. Hightower (unat) 7.71; 5. Tolbert (AzSt) 7.83.

College 60H, DaCosta (Hous) 7.93; 2. Walker (AzSt) 7.95. Heats: II-1. DaCosta 7.90.

HJ(GP), Brill'' (Can) 6-4% (missed 6-6%); 2. Ritter (PCC) 6-3% (AL); 3. Jones (Hous) 6-0; 4. Graves (unat) 6-0; 5. McCurdy-Cameron' (unat) 5-10%; 6. Y. Henry (ACU) 5-10%.

● LJ(GP), Lewis (SMTC) 22-¼/6.71 (AL) (x, 8 A) (21-6%, 21-10%, 22-¼, 21-6, 21-3½, 21-4%); 2. Joyner (WC) 21-11/6.68 (x, =12 A) (21-8, 21-11, p, 21-1½, 21-8, 21-11) (Lewis jumped before Joyner); 3. Cy. Henry' (Maz) 20-9%; 4. Newsome (unat) 20-¼; 5. Bartholomew' (unat) 19-7; 6. Quisenberry (Hous) 19-2.

#### LSU 4-WAY

Baton Rouge, Louisiana, February 7-220y unbanked synthetic.

Teams: 1. LSU 69; 2. Rice 41; 3. Alabama 39; 4. Stanford 21.

60y, James (LSU) 6.33 (6.83 @ 60m); 2. Karp (Rice) 6.35 (6.84); 3. Saulsberry (LSU) 6.36 (6.85).

300, Gordon (Rice) 30.77.

440, Timmons (Rice) 49.29.

600, Johnson (Rice) 1:12.65.

880, Connolly (Stan) 1:50.27; 2. Johansson' (LSU) 1:51.54.

1000, Marmaro (LSU) 2:12.05.

Mile, McColgan' (AI) 4:07.69.

2M, Alexander (Stan) 8:59.97; 2. McColgan' 9:02.90.

60H, James 7.16 (7.72 @ 60m; 9, 10 C); 2. Reid (LSU) 7.26 (7.81).

4 x 440, Rice 3:18.18.

HJ, Metellus' (LSU) 7-¼.

PV, Wright (LSU) 17-7.

LJ, Talley (AI) 24-2½; 2. Rose (LSU) 24-¼.

TJ, Ramos (Stan) 46-6%.

SP, Bogasson' (AI) 58-3%.

Wt, Bogasson' 57-0.

#### LSU 5-WAY-WOMEN

Teams: 1. LSU 90; 2. Alabama 45; 3. Arizona 31; 4. Rice 30; 5. Stanford 19.

● 60y, Echols (LSU) 6.71 (=7, x A; =6, x C) (continued to 60m: 7.23-x, 4 A; x, 3 C); 2. Davis' (AI) 6.90 (7.44); 3. Bush (LSU) 7.02 (7.55).

● Heats: II-1. Echols 6.76 (7.28-x, =4 A; x, =5 C).

300, Echols 34.62; 2. Davis' 34.99.

440, McIntosh (Rice) 55.20; 2. Wofford (LSU) 55.24; 3. Williams (LSU) 55.38.

600, Brydson (LSU) 1:20.84; 2. Stewart' (Rice) 1:21.29; 3. Truvillion (LSU) 1:21.43.

880, Cato' (LSU) 2:11.24.

1000, Adiru' (AI) 2:32.39.

Mile, Klassen' (Rice) 4:45.01; 2. Reed (LSU) 4:45.20; 3. Olafsdottir' (AI) 4:45.54.

2M, Olafsdottir' 10:16.90; 2. Gray (Stan) 10:18.72; 3. Turner' (AI) 10:21.83.

60H, Hyacinth' (AI-VI) 7.78 NR (continued to 60m: 8.38 NR); 2. Stanley (LSU) 7.90 (8.54); 3. Williams 7.95 (8.62); 4. Bass (LSU) 8.07 (8.75).

Heats: II-1. Stanley 7.83 (8.44).

4 x 440, LSU 3:41.49 (WL, AL, CL) (Cun-

nigham', Brydson, Bobien, Cato'); 2. Rice 3:43.01.

HJ, K. Johnson (Az) 6-½; 2. Oditia (Stan) 5-11½; 3. Carter (LSU) 5-10.

LJ, Hyacinth' 20-2½; 2. Jones (Az) 19-9; 3. Connor (LSU) 18-10½; 4. Lewis (LSU) 18-10. TJ, Jones 40-10½; 2. Connor 35-2.

● SP, Dukes (Stan) 56-8½/17.28 (CL) (7, x A; 3, 4 C) (in/out: =PR; =9, x A; 6, x C) (54-10½/16.72 [CL] [10, x C], f, f, 56-8½, 50-¾, f); 2. Williford (LSU) 54-6%; 3. Garrett (Az) 53-5%; 4. Purpur (Stan) 51-11½; 5. Eve' (LSU) 51-4½; ... 7. Carter 45-7.

#### INDIANA INVITATIONAL

Bloomington, June 6-7-

Men (2/6-Inv 1000, 5000, 4 x 8, LJ, prelims):

60y, Woodson (Pur) 6.22; 2. Robinson (InTC) 6.28; 3. Council (Aub) 6.34.

300, Robinson 30.07; 2. Council 30.29.

440, Nix (AW) 47.59; 2. Henderson (Aub) 48.05; 3. Campbell (Aub) 48.16.

500m, Peters' (unat) 1:02.94.

880, Futrell (NBal) 1:52.17.

Inv 1000, SPivey (AW) 2:08.49; 2. Ngubeni' (WnKy) 2:09.72; 3. Rodholm (In) 2:09.85; 4. Johnson (Cinc) 2:09.86.

Inv Mile, Spivey 3:59.30; 2. Deady (In) 4:01.03; 3. Murphy (InTC) 4:02.40; 4. Ngubeni' 4:02.69; 5. White (In) 4:02.94; 6. Caceres' (SEMo) 4:06.6; 7. Henderson (AW) 4:10.0.

3000, Williams (In) 8:15.50.

5000, Ede' (Ky) 14:17.16.

60H, Woodson (Pur) 7.15.

Semis: Woodson 7.19.

4 x 440, Mississippi 3:15.16.

4 x 880, Auburn 7:33.56.

DisMed, Auburn 9:48.88.

HJ, Glassburn (Pur) 7-1½; 2. Musselwhite (Aub) 7-1¼.

PV, Burton (In) 17-3.

LJ, Alli' (unat) 25-11½; 2. Sanders (Ball) 25-10; 3. McKinley (LW) 24-9; ... 5. Laine (LW) 24-7¼.

TJ, Streeter (InTC) 54-4; 2. McKinley 52-2; 3. Sanders 51-6¼.

SP, Heislar (NYAC) 65-¾; 2. J. Smith (unat) 62-8.

Qualifying: Smith 60-3.

#### INDIANA INVITATIONAL-WOMEN

2/6-4x8, LJ, TJ, prelims:

60, Ubah' (unat) 6.95.

300, Bradley (Mi) 35.80.

440, Vaughn (SEMo) 56.93.

500m, Diamond (In) 1:12.97; ... dnc-Parrott (InTC). Heats: I-1. Parrott 1:12.92.

880, Johnson (EnKy) 2:17.23; ... dnc-Parrott. Heats: III-1. Parrott 2:16.6B.

1000, Frosini (Ky) 2:32.56; 2. Foster (Nik) 2:33.02.

Mile, Goudreau (In) 4:41.60; 2. Schroeder (Reeb) 4:22.44; 3. Raglin (EnKy) 4:43.31.

3000, Orre (KyTC) 9:40.54.

60H, Humphrey (EnKy) 7.96; 2. Brown (En Ky) 7.98.

Haats: I-1. Humphrey 7.80.

4 x 440, Eastern Kentucky 3:51.06.

4 x 880, Eastern Kentucky 9:13.78.

HJ, Valderrama (In) 5-7¼.

LJ, Nathan (In) 19-¼.

TJ, Debro (In) 39-1¼.

● SP, Price (unat) 56-10¼ (AL) (6, x A) (in/out-8, x A); 2. Payne (Mi) 46-9.

#### HAMILTON SPECTATOR

Hamilton, Ontario, February 13.

156y banked board.

● 50m(GP), Johnson'' (Can) 5.65 (x, =6 W); 2. Jefferson (Maz) 5.83; 3. Williams'' (Can) 5.85; 4. Mowatt'' (Can) 5.92; 5. Spearmon (ACC) 5.95.

500(GP), Graham (Bay) 1:06.03; 2. M. Sanders (ACC) 1:06.24; 3. Osland'' (Can) 1:06.50; 4. Graham'' (Can) 1:06.79.

1000(GP), Hoogewerg'' (Can) 2:28.06; 2. Wuyke' (NBal) 2:28.68; 3. Robinson (SMTC) 2:28.80; ... 5. Barr'' (Jack) 2:29.26.

Mile(GP), K. Cheruiyot' (MSM) 4:03.19; 2. Campbell'' (Can) 4:06.02; 3. Walker'' (NZ) 4:07.06; 4. Maree (Pum) 4:08.03; 5. Consiglio' (Ar) 4:09.64.

3000(GP), Harris (NYAC) 8:02.61; 2. Fell'' (Can) 8:02.63; 3. C. Cheruiyot' (MSM) 8:04.27; 4. Swain'' (GB) 8:06.98; 5. Reid'' (Can) 8:13.66.

● 50H(GP), McKoy' (PCC) 6.43; 2. Clark (HTC) 6.52 (=PR; 7, x A); 3. Kingdom (Reeb) 6.73; 4. Glass'' (Can) 6.74.

PV(GP), Pursley (PCC) 18-2½; 2. Tarpenting (NYAC) 18-2½; 3. tie, Duplantis (unat) & Kozakiewicz'' (WG) 17-6%; ... nh-Cooper (AIA).

#### HAMILTON WOMEN

● 50(GP), Issajenko'' (Can) 6.16 (x, =8 W); 2. Ottey-Page' (Maz-Jam) 6.24 NR; 3. Bailey'' (Can) 6.28; 4. Lawrence'' (Can) 6.54; 5. Jones (MCit) 6.55; 6. Cuthbert' (Pum) 6.55.

500(GP), Crooks' (Maz) 1:13.56; 2. Lawrence'' 1:13.76; 3. Killingbeck'' (Can) 1:15.21.

1500(GP), Wade'' (GB) 4:15.70; 2. Puica'' (Rom) 4:16.43; 3. McRoberts'' (Can) 4:18.81; 4. Comeau'' (Can) 4:19.17; 5. Jones (OI) 4:22.79; 6. Rettie'' (Can) 4:24.07; 7. Foster (Nik) 4:24.76.

● 50H(GP), Joyner-Kersey (WC) 6.91 (=AL) (=PR; =3, =3 A); 2. Rocheleau'' (Can) 7.09; 3. Blackwood'' (Can) 7.25.

HJ(GP), Brill'' (Can) 6-1½; 2. Graves (unat) 6-0; 3. Bond'' (Can) 5-8%; 4. Joyner-Kersey 5-8%.

#### VITALIS/OLYMPIC INVITATIONAL

East Rutherford, New Jersey, February

14-

160m banked board.

● 55m(GP), McRae (Pitt) 6.04 (WL, AL, CL) (x, 4 W, A; x, 3 C); 2. Johnson'' (Can) 6.05 =NR (=PR, =5, =5 W); 3. Lewis (SMTC) 6.09; 4. Witherspoon (SMTC) 6.10; 5. Sullivan (NC) 6.22; 6. McNeill (ECar) 6.35.

Heats: I-1. Witherspoon 6.13; 2. Johnson'' 6.16; ... 5. Quow (Kar) 6.56; 6. King (NBal) 6.57. II-1. Lewis 6.13; 2. McRae 6.14; ... 5. Morgan' (Prin) 6.45.

400(GP), Franks (AW) 47.71; 2. Harris (AW) 48.11; 3. Lowery (CSTC) 48.53; 4. Phillip' (Man) 48.88; 5. Bridges (unat) 49.89.

500(GP), I' Morris' (Kar) 1:01.55; 2. Jenkins (ACC) 1:02.29; 3. Forde' (ACC) 1:02.31; 4. Rowe (Accu) 1:03.04.

IC4A 500, Modibedi' (Vill) 1:02.91; 2. Mann (Gtn) 1:03.38; 3. Lishebo' (MSM) 1:04.0h; 4. O'Connor' (Iona) 1:04.2h.

● 800(GP), Redwine (AW) 1:49.47 (AL); 2. Baskin (SH) 1:50.50 (CL); 3. Wuyke' (NBal) 1:50.68; 4. J. Armour (WP) 1:50.81; 5. B.

Brown (NYPC) 1:51.09; 6. M. Sanders (ACC) 1:52.86; 7. Koech' (ACC) 1:55.62.  
1000(GP), R. Brown (ACC) 2:20.33 (AL); 2. Koskei' (Maz) 2:20.58; 3. Elliott' (GB) 2:20.86; 4. Ra. Moore (NYAC) 2:21.32; 5. Stahr (Gtn) 2:22.40; 6. Mack (SMTC) 2:22.70; 7. O'Neill' (Vill) 2:26.25.

● HS1000, Kersh (Pearl, Ms) 2:23.85 HSR (old HSR 2:24.1 Irish [NY HS] '83) (2:09.9y HSR—old, 2:10.1 Gibson [WaHS] '72); 2. Vandegrift (PaHS) 2:24.42.

IC4A 1500, Hendricks (Mon) 3:46.49.

Mile(GP), Coghlan' (NYAC) 3:56.83; 2. O' Sullivan' (NBal) 3:57.68; 3. O'Mara (Reeb) 3:57.99; 4. Abascal' (Spa) 3:58.55; 5. Scott (Tig) 4:00.34; 6. Hillardt' (Aus) 4:01.68; 7. C. Cheruiyot' (MSM) 4:04.79 (62.0, 59.5 [2:01.5], 60.4 [3:01.9]); 8. Flynn' (Roos) 4:08.49.

● 3000(GP), Donovan' (Reeb-Ira) 7:47.95 NR (WL); 2. Padilla (AW) 7:48.56 (AL) (x, 8 A); 3. Millonig' (Aut) 7:50.21; 4. Ondieki' (Eto) 7:51.55; 5. O'Reilly' (Vill) 7:51.65 (CL) (6, 9 C); 6. Petersen (WS) 7:52.92; 7. Krohn (WP) 8:05.75; 8. Diemer (AW) 8:08.43; 9. Ludwowski (NYAC) 8:20.49.

55H(GP), Foster (WC) 7.01; 2. McKoy' (PCC) 7.08; 3. tie, Blake (FIS) & Andrade (Sac TC) 7.22; 5. Lane (Kar) 7.22; 6. Kingdom (Reeb) 7.37.

Heats: I—1. Clark 7.13; 2. McKoy' 7.17; ... 5. Timpon (PennSt) 7.68; 6. Wilson (Kar) 7.69. II—1. Blake 7.16; 2. Kingdom 7.20; 3. Pierce (Kar) 7.24. III—1. Foster 7.08.

1500W(GP), Lewis (Reeb) 5:17.17 WR, AR (old WR 5:22.7 Toporek [Aut] '83; old AR 5:27.1 Heiring [AA] '82 & 5:27.18 Heiring [Bud] '86); 2. Savage (Drex) 5:46.89; 3. Flannery (SUNY/SB) 5:48.99.

4 x 400, Atlantic Coast Club 3:10.35 (Forde' 48.7, Jenkins 46.6, Koech' 48.8, M. Sanders 46.3); 2. Villanova 3:11.05; 3. Seton Hall 3:16.95.

4 x 800, Pitt 7:25.96 (Daniels, Weiner, Moore, Manes); 2. Villanova 7:26.25; 3. Penn State 7:28.28; 4. NYAC 7:32.95.

HJ(GP), Howard (Maz) 7-5/8; 2. Whitehead (unat) 7-5/8; 3. Nordquist (Tig) 7-3/8; 4. Sjoberg' (Swe) 7-3/8; 5. Ottey' (Can) 7-3/8.

● PV(GP), Bell (PCC) 19-1/4 (x, =7 A) (18-1/4, 18-4/8, 18-8/8 [3], 19-1/4 [3], 19-3 [xxx]); 2. Olson (PCC) 18-8/8 (18-1/4 [3], 18-8/8 [3], 19-1/4 [xpx], 19-3 [x]); 3. Tarpenning (NYAC) 18-4/8; 4. Kenworthy (SSTC) 18-1/4.

● TJ(GP), Conley (Tys) 55-8/8 (AL) (54-8/8, f, 55-8/8, f, f, 54-7/8); 2. Harrison (KsSt) 55-3 (CL); 3. Simpkins (Nik) 55-1/4; 4. Joyner (WC) 54-7/8.

SP(2/13, NYC), Akins (NYAC) 62-1/4; 2. Heisler (NYAC) 62-1.

Wt(2/13, NYC), Logan (NYAC) 72-1/4; 2. ● Egan (NYAC) 71-8/8 (8, x A); 3. Napolitano (unat) 62-1/4.

#### OLYMPIC—WOMEN

● 55m(GP), Torrence (Ga) 6.61 (WL, AL, CL) (x, =11 W, A; x, =3 C); 2. Ottey-Page' (Maz) 6.66; 3. Issajenko' (Can) 6.69; 4. Finn (FIS) 6.85; 5. C. Smith (CoHS) 6.96; 6. S. Dennis' (NYT) 7.16.

Heats: I—1. Torrence 6.66; 2. Ottey-Page' 6.77; 3. Finn 6.85. II—1. Issajenko' 6.83; 2. Smith 6.88.

● 200(GP), Brisco (WC) 24.01 (AL); 2. G. Jackson' (Atoms) 24.03; 3. A. Williams' (SH) 24.58; 4. Young (YASC) 24.60; 5. A. Jackson (Maz) 24.72.

● 400(GP), Dixon (Atoms) 52.38 (AL) (x, 6 A, Dixon); 2. Richardson' (Can) 54.35; 3. Leatherwood (NBal) 54.37; 4. Oliver' (Tn) 54.38.

● 800(GP), Clark (AW) 2:02.15 (AL) (3, 4 A); 2. Richburg (Pum) 2:03.69; 3. Walton-Floyd (unat) 2:04.55; 4. Kelly (SMTC) 2:04.61 (12, x A); 5. Lambelet (SMTC) 2:07.71; 6. Adiru' (AI) 2:07.72; 7. Melton (LAC) 2:07.96.

● Mile(GP), Williams' (Can) 4:35.35 (WL); 2. Sly' (8rk) 4:35.47; 3. Beckford (LAC) 4:36.49 (AL); 4. Bush (WS) 4:41.26; 5. McGowan (Maz) 4:41.94; 6. Krebs' (Clem) 4:44.23; 7. Herbst (Wi) 4:45.62; 8. Scott (Rut) 4:50.51.

● 55H(GP), Joyner-Kersey (WC) 7.45 (WL, AL) (=3, =7 W, A); 2. Martin (Tn) 7.55 (CL); 3. McKenzie (Maz) 7.65; 4. tie, Council (Aub) & Y. Johnson (unat) 7.67; 6. Hightower (unat) 7.67.

Heats: I—1. Joyner-Kersey 7.62; 2. McKenzie 7.75; 3. Council 7.76; 4. P. Davis (LAC) 7.77. II—1. Martin 7.63; 2. Hightower 7.68; 3. Johnson 7.73; 4. Blanford (LAC) 7.77; 5. Ross (NJHS) 8.14.

1500W(GP), Torrellas (Abrax) 6:01.16 WR, AR (old WR 6:28.46 Salce [Ita] '85; old AR 6:31.63 Torrellas [Abrax] '85); 2. Peel' (Can) 6:02.04 NR (2, 2 W); 3. T. Vaill (unat) 6:13.71 (3, 3 W; 2, 2 A); 4. Weik (unat) 6:27.69 (4, 4 W; 3, 3 A); 5. L. Vaill (unat) 6:45.58; ... dq—Liers (unat) 6:39.76.

● 4 x 400, Atoms TC 3:37.85 (WL, AL) (De-Seignora 57.9, Jackson' 53.7, Gabriel 53.9, Dixon 52.4); 2. Tennessee 3:41.16; 3. Villanova 3:45.55; 4. Temple 3:51.14.

LJ(GP), Joyner-Kersey 21-10 (21-10, p, 21-5/8, f, p, p); 2. Lewis (SMTC) 21-6; 3. Cy. Henry' (Maz) 20-7/8; 4. Scott' (Atoms) 18-8/8.

#### MILLER LITE INVITATIONAL

Fairfax, Virginia, February 15—  
200m unbanked synthetic. Attendance 3000.

55m(GP), King (adi) 6.21; 2. McNeill (ECar) 6.23; 3. M. Smith (Norf) 6.23.

300, Coleman (Kar) 34.43.

400, I—1. C. Long (unat) 48.04. II—1. Henderson (DCS) 47.41; 2. Daley' (Kar) 47.59.

500(GP), I—1. Lishebo' (MSM) 1:02.61. II—1. I. Morris' (Kar-Tri) 1:01.19 NR (8, x W); 2. Forde' (ACC) 1:01.50; 3. Jenkins (ACC) 1:01.54; 4. M. Sanders (ACC) 1:02.51; 5. Rowe (Accu) 1:02.5h.

800(GP), R. Brown (ACC) 1:51.02; 2. Williams' (ACU) 1:51.55; 3. Barr' (WP) 1:52.21; 4. B. Brown (NYPC) 1:52.37; 5. M. Sanders (ACC) 1:53.56; 6. Koech' (ACC) 1:53.97; 7. J. Armour (WP) 1:55.24.

1000, Hinton (unat) 2:23.52; 2. Fuhrman (NC) 2:23.55; 3. Boakes' (NC) 2:24.45.

Mile(GP), Maree (Pum) 3:58.11; 2. K. Cheruiyot' (MSM) 3:58.24; 3. Campbell' (Can) 3:58.46; 4. Walker' (NZ) 3:58.57; 5. McKeon (ACC) 3:59.95; 6. Flynn' (Roos) 4:00.96.

3000, Harris (NYAC) 7:58.99; 2. Fox (AW) 7:59.14; 3. Nyambui' (Nik) 8:00.50; 4. Sapienza (AW) 8:01.38; 5. Aden' (GMTC) 8:04.75.

55H(GP), Lane (Kar) 7.12; 2. Pierce (Kar) 7.21; 3. Kingdom (Reeb) 7.22; 4. Washington (Kar) 7.23; 5. Wilcher (unat) 7.24; 6. Skinner (Md) 7.28.

4 x 200, George Mason 1:28.04.

4 x 400, Villanova 3:11.15; 2. George Mason 3:12.88; 3. St. Augustine's 3:13.21.

4 x 800, Hit & Run Sports 7:30.43; 2. West Virginia 7:31.07; 3. Virginia Tech 7:31.28.

HJ, McCants (unat) 7-4/8; 2. tie, Saunders' (unat) & Carter (unat) 7-2/8; 4. Pascuzzo (NYAC) 7-2/8; 5. Banks (unat) 7-1/8.

PV, Butler (unat) 16-6.

● LJ(GP), Manns (JM) 25-10 (CL); 2. Coney (SSC) 25-8/8; 3. Boulware (SCC) 25-3/8; 4. Mc Duffy' (Can) 25-2/8; 5. Laine (LW) 25-3/8. TJ, Roskiewicz (unat) 52-9.

#### MILLER LITE—WOMEN

55, Spence' (Hamp) 6.87; 2. Fridy (Va) 6.92; 3. Clarke' (Hamp) 7.06.

200(GP), Jackson' (Atoms) 23.71; 2. Spence' 24.08; 3. Young (YA) 24.23; 4. Liles (Norf) 25.29.

400(GP), Dixon (Atoms) 53.02; 2. Leatherwood (NBal) 53.60; 3. Green' (unat) 54.24; 4. Gabriel (Atoms) 55.20; 5. Creekmore (Hamp) 55.50.

500(GP), I—1. Bridgeforth (Temp) 1:12.06. II—1. Fridy 1:12.22; 2. Dendy (GM) 1:12.24; 3. Pollard (NC) 1:13.18; 4. Roberts (MdHS) 1:13.18; 5. Lambelet (Nik) 1:13.27.

800, Richburg (Gaz) 2:07.64; 2. Melton (LAC) 2:09.12; 3. Certain (PennSt) 2:12.99.

● 1000y(GP), Harvey (Tn) 2:28.23 (WL, AL, CL) (x, 8 C); 2. Adiru' (AI-Uga) 2:28.46 NR (8, 9 C); 3. Davidson (Tx) 2:30.73; 4. Raglin (En Ky) 2:32.64.

Mile(GP), Girard-Eberle (unat) 4:44.30; 2. Beckford (LAC) 4:44.37; 3. Harvey 4:46.47.

● 3000(GP), Bremser (WU) 9:00.03 (10, x A); 2. Girard-Eberle 9:04.10 (12, x A); 3. Breiding (Ky) 9:18.21 (CL); 4. Bush (WS) 9:33.02; 5. Rowen (Va) 9:34.94.

55H(GP), Hunter' (DeSt) 7.73; 2. Humphrey (EnKy) 7.82; 3. Council (Aub) 7.83; 4. Hayes (Tem) 7.95.

Heats: I—1. Council 7.94. II—1. Hunter' 7.75. II—1. Humphrey 7.86.

MileW(GP), Peel' (Can) 6:35.47 NR (2, 2 W); 2. Torrellas (Abrax) 6:40.52 AR (old AR 6:53.58 T. Vaill [unat] '86) (3, 3 W); 3. T. Vaill (unat) 6:44.12 (4, 5 W; 2, 2 A); 4. Weik (unat) 6:54.6 (5, 7 W; 3, 4 A); 5. Liers (unat) 7:12.2; 6. L. Vaill (unat) 7:12.8 (10, x A).

4 x 400, Texas 3:40.91; 2. Virginia 3:41.25; 3. Temple 3:43.28; 4. Penn State 3:46.78; 5. Delaware State 3:47.46.

4 x 800, Virginia 8:42.81; 2. Penn State 8:58.06; 3. Eastern Kentucky 8:59.75; 4. Georgetown 9:09.57.

HJ(GP), Schmidt (Ath) 5-11/8; 2. Hodges (Temp) 5-11/8; 3. tie, Cashel (unat) & Williams (PennSt) 5-7/8.

LJ, Fridy 20-4/8; 2. Gage (GM) 20-2; 3. Hawkins (StA) 19-7.

TJ, Hall (StA) 40-4/8; 2. Alexander (Hamp) 40-3; 3. Hawkins 39-8/8.

SP, Addison (GM) 48-6/8.  
20lbWt, Senz (USAr) 55-6/8 (farthest throw ever—old, 51-11/8 Young [StJ] '87).

#### GATOR OPEN

Gainesville, Florida, February 15—  
200m unbanked synthetic.

55m, Thomas (Tul) 6.21; 2. Waller (Ga) 6.25; ... dnc—Council (Aub).

Heats: I—1. Council 6.27.

● 200(WC Trials), Butler (Maz) 20.64 AR (old AR 20.84 Lattany [Bud] '84) (WL) (3, 3 W); 2. Baptiste (AW) 20.86 (3, 3 A); 3. Mitchell (FI) 21.03 CR (old CR 21.17 Wright [BronxCC] '87) (4, 7 A); 4. Robinson (InTC) 21.19; 5. Jefferson (Maz) 21.26; 6. Crain (NYPC) 21.43.

● Heats: I-1. Butler 20.87 (AL) (2, 2 A); 2. Jefferson 21.14; 3. Crain 21.20; 4. Martin (Aub) 21.27 (8, x A; 4, 4 C).

II-1. Baptiste 21.10 (=3, =7 A); 2. Hackett (Wi) 21.27 (=8, x A; =4, =4 C); 3. Spearmon (ACC) 21.32; 4. Gordon (Rice) 21.79.

III-1. Robinson 21.16 (7, x A); 2. Mitchell 21.21 (8, x A; 2, 2 C); 3. Thomas (Mia) 21.36 (7, 8 C); 4. Council 21.39 (9, =10 C).

● 400(WC Trials), McKay (Maz) 46.05 (WL, AL) (x, 11 W; x, 2 A); 2. Franks (AW) 46.18 (6, 7 A); 3. C. Daniel (Maz) 46.41; 4. McCoy (Maz) 46.94; 5. Lowery (CSTC) 47.24; 6. Reynolds (OhSt) 48.33.

Heats: I-1. McKay 46.83; 2. Lowery 47.01; 3. Daniel 47.21; 4. Everett (Fi) 47.66.

II-1. Franks 47.16; 2. Reynolds 47.31; 3. McCoy 47.43; 4. M. Armour (unat) 48.57.

500, Davis (Maz) 1:01.95; 2. Campbell (Aub) 1:02.10; 3. Henderson (Aub) 1:02.16.

● 1000, Ngubeni' (WnKy) 2:21.46 (CL); 2. Provanca (Aub) 2:23.80; 3. Rabush (Aub) 2:24.09; ... 6. Clark (FIS) 2:26.5h.

1500, Parker (Aub) 3:49.66.  
● 3000, Abshire (Nik) 7:48.76 (4, 9 A); 2. Jaeger (Aub) 7:59.20; 3. Ede' (Ky) 8:03.32; ... 8. Pigg (Fi) 8:17.0h.

55H, Reed (Aub) 7.38; 2. Davis 7.40.  
4 x 400, Auburn 3:11.49; 2. Kentucky 3:13.98  
4 x 800, Auburn 7:41.28.

HJ, Edwards (Ga) 7-3/4.  
PV, Ott (Fi) 16-0.

LJ, Benjamin' (unat) 25-1/2; 2. Rahal (Fi) 24-7/8; 3. Akridge (Fi) 24-7; 4. Spry (USAr) 24-5/8.

TJ, Akridge 51-2/4.

SP, Judge (Ga) 60-1; 2. Turco (Fi) 59-4.

Pent(60H, LJ, SP, HJ, 1000), Allen-Cooksey (AthF) 4315 (7.94, 23-9/8, 48-10, 6-5/8, 2:38.91); 2. Muzzio (GM) 4090 (8.36, 22-10/8, 54-5/4, 6-3/4, 2:48.93); 3. Young (GM) 4008; 4. McGorty (NC) 3923; 5. McKenzie (Maz) 3986 (7.88); 6. Serrano (Cheet) 3871; 7. Johnson (unat) 3851.

#### GATOR-WOMEN

55m, S. Smith (Ga) 6.96; 2. Horton (FIS) 7.11; 3. J. Davis (FIS) 7.14.

500, Mitchell (Fi) 1:11.13; 2. Ward (Mia/Fi) 1:12.48; 3. Stewart' (Rice) 1:12.72.

1000, So. Braasch (Fi) 2:49.64; 2. Matson (Fi) 2:49.66; 3. McGuiness' (NWn) 2:49.85.

1500, Nash (Fi) 4:19.88; 2. Hammeren (Fi) 4:21.06; 3. Padorno' (Ky) 4:22.62.

● 3000, Klassen' (Rice) 9:13.72 (CL).

55H, Watkins (Cheet) 7.92.

● 4 x 400, Rice 3:38.69 (CL) (Bryant, McIntosh, Welch, Stewart'); 2. Florida State 3:49.74.  
4 x 800, Kentucky 8:43.59; 2. Florida 8:43.66; 3. Northwestern 8:46.61.

HJ, Ellerson (Ga) 5-9/4.

LJ, McDonald (Aub) 19-1/4.

TJ, Levy (FIS) 40-7.

SP, Rosensteel (Fi) 44-1/4.

Pent(TAC Ch, 55mH, HJ, SP, LJ, 800), H. Mann (Fi) 3986 (9.14, 5-8, 42-8, 18-3/4, 2:24.45); 2. Connell (PennSt) 3918 (9.25, 5-7, 34-6/8, 19-4/4, 2:20.08); 3. Lew (Pum) 3886 (8.84, 5-7, 39-5/8, 18-2/4, 2:28.91); 4. C. Mann (PennSt) 3743 (9.06, 5-8, 30-3/4, 18-9/4, 2:28.46); 5. Larsen (MSM) 3503 (9.51, 5-3/4, 39-3/8, 16-4/4, 2:26.98).

U.S.-CANADA WOMEN'S PENTATHLON  
Toronto, Feb. 7 /200m unbanked synthetic/ (60mH, HJ, SP, LJ, 800)—

Canada 16,027—U.S. 15,003—

1. Polman-Tuin (Can) 4178 (9.08, 5-6, 42-6/8, 20-3/8, 2:20.13); 2. Spent (Can) 4042 (8.73, 5-6, 34-11/8, 19-5/8, 2:18.44); 3. Jampolsky (US) 4009 (8.99, 6-0, 35-8, 18-4, 2:24.17); 4. Armstrong (Can) 3988;

5. Sheehan (US) 3821 (8.90, 5-3/4, 39-11/8, 18-4/4, 2:27.27); 6. Bond (Can) 3819; 7. Scott (Can) 3818; 8. Sartin (US) 3669 (8.98, 5-2/4, 36-5/8, 17-7/8, 2:24.42); 9. Potvin (Can) 3627; 10. King (US) 3504 (9.44, 5-7/8, 30-8/8, 17-7/8, 2:32.35); ... dnf—H. Mann (US) 2978 (9.48, 5-7/4, 40-11/8, 16-11/8), Zimmerman (US) 2247 (9.02, 5-5, 33-8).

#### ORANGE & BLUE OPEN

Champaign, Illinois, February 7—

262y unbanked synthetic—oversized.

60m, Reed (OhSt) 6.70; 2. Hackett (Wi) 6.71; 3. Tyson (II) 6.83.

300y, Tolbert (II) 30.37.

440, Simon (II) 48.45.

500m, Bridges (II) 1:01.81; 2. Gregory (Oh St) 1:02.38; 3. Ross (OhSt) 1:03.20.

880, Maton (EnII) 1:51.12; 2. Elliott (ACC) 1:51.45.

1000y, Kolasa (II) 2:10.91.

Mile, Thanos (II) 4:06.33.  
2M, Hacker (AW) 8:49.45; 2. Lacy (NBal) 8:55.78.

4 x 440, Illinois 3:13.82.

4 x 880, Illinois 7:27.99; 2. Illinois State 7:28.20; 3. Notre Dame 7:31.03; 4. Eastern Illinois 7:32.33.

PV, Lohr (II) 17-5/8; 2. Starkey (II) 17-3.

LJ, Stanley (WU) 25-3/4.

SP, Braun (WU) 65-1/2.

#### ORANGE & BLUE—WOMEN

Oversized.

60m, Payne' (Pum) 7.44; 2. Dunlap (THTC) 7.44; 3. Benjamin (Tn) 7.48; 4. Martin (Tn) 7.49; 5. McLaughlin (Tn) 7.49.

Heats: I-1. Dunlap 7.44. II-1. Payne' 7.45.  
300y, Payne' 34.16; 2. Oliver' (Tn) 34.33;

3. Dunlap 34.42; 4. Benjamin 34.79; 5. McLaughlin 35.00; 6. McClatchey (II) 35.06.

500m, Bennett (Tn) 1:12.55; 2. Moore (Tn) 1:12.89.

880, C. Blackman' (SnII) 2:13.41.

1000y, Hull (UNLV) 2:28.2; 2. Harvey (Tn) 2:28.4.

3000, O'Reilly' (Tn) 10:00.82.

60H, Martin 7.72; 2. Davis (UNLV) 7.93; 3. Beverly (II) 8.07.

4 x 440, UNLV 3:44.00; 2. Illinois 3:44.70.

4 x 880, Tennessee 8:48.85; 2. UNLV 8:59.28.

### • U.S. INDOOR RESULTS BY STATE •

#### ARIZONA

FRESNO State 74-Northern Arizona 48, Flagstaff, Feb. 7 /352y unbanked synthetic—oversized. altitude 2107/—open 60m, Jones' (Fres) 6.73; 2. McCoy (Fres) 6.75. 300, Koon (NnAz) 33.72. 500, Roberson (Fres) 1:01.54. 60mH(questionable), Daniel (NnAz) 7.59; 2. Krupilski (Fres) 7.73.

● PV, Fraley (Fres) 18-1 (CL); 2. Rodriguez (Fres) 17-3. TJ, C. Williams (Fres) 51-4/4; 2. Frazier (Fres) 51-3/4. SP, J. Bender (Fres) 62-1/4.

Women: Fresno State 56-Northern Arizona 47. 500, Edeh' (Fres) 1:12.45. HJ, Mendonca (Fres) 6-0. TJ, Compton (Fres) 40-9.

#### ARKANSAS

ARKANSAS Invitational, Fayetteville, Jan. 31 /200m unbanked synthetic/—Women: 55m, Onyali' (TxSn) 6.88; 2. Iheagwan' (TxSn) 7.06. LJ, Omagbemi (TxSn) 19-9/8; 2. M. Smith (TxSn) 19-5/4. TJ, M. Smith 39-9/8; 2. Omagbemi 39-7/4.

LADY Razorback Invitational, Fayetteville, Feb. 7 /200m unbanked synthetic/—1000y, Sye (Ar) 2:29.30.

#### CONNECTICUT

CONNECTICUT 89-1/2-Yale 57-Boston U 38-1/2, New Haven, Dec. 6—LJ, Sallie' (BosU) 25-2.

YALE Indoor Track Classic, New Haven, Jan. 17—LJ, Hawkins (BosC) 25-5.

#### DELAWARE

DELAWARE Women's Open, Newark, Feb. 8 /200m unbanked synthetic/—200, Fridy (Va) 24.68. 400, Fridy 54.95.

#### IDAHO

MOUNTAIN States Games, Pocatello, Feb. 6-7 (2/6-4 x 800) /200m banked board.

Altitude 1361/—Teams: 8YU 125; 2. Idaho State 112. 3. Boise State 97. 1000m, Jaynes (Id St) 2:23.16. 4 x 800, Idaho State 7:29.70; 2. BYU 7:30.50. PV, Hunsaker (BYU) 17-3. TJ, Lawrence (Boise) 54-2.

Women (2/6-4 x 800, prelims): Teams: 1. BYU 159; 2. Utah State 64; 3. Boise State 51. 300m, Ogunde' (UtSt) 37.99; 2. Packham (BYU) 38.93. Semis: I-1. Packham 38.70. II-1. Ogunde' 38.68. 500, Packham 1:12.17. 1500, Jenkins (8YU) 4:29.34; 2. Cook (BYU) 4:30.84. 4 x 800, BYU 8:52.32.

● LJ, Bates (USC) 20-1/4. TJ, Bates 42-6/8 (WL, AL, CL).

CAVANAUGH'S Invitational, Moscow, Feb. 7 /300m unbanked synthetic—oversized/—3000, Navarette' (WaSt) 7:55.8. HJ, Jones (Wa St) 7-3/4. LJ, Araouzos' (unat) 25-1/4. TJ, Hadjiandreou' (WaSt-Cyp) 54-11/4 NR (CL); 2. Dodoo' (Dia) 53-6/8; 3. Gambetta' (WaSt) 52-11/4.

Women: HJ, Moore (WaSt) 5-10. LJ, Eckl' (WaSt) 20-1/4. DT, Lavine (WaSt) 171-7; 2. Fetch (WaSt) 156-0.

#### ILLINOIS

SOUTHERN Illinois-Illinois State, Normal, Feb. 6 /220 unbanked synthetic/—1000y, Flowers (IISt) 2:07.62 (CL); 2. Garrett (SnII) 2:08.28; 3. Palumbo (IISt) 2:08.56; 4. Parris (Dra) 2:08.56. Mile, Frerker (IISt) 4:01.20; 2. Pettigrew' (SnII) 4:02.89. HJ, Smith (IISt) 7-5.

#### INDIANA

INDIANA 73-Illinois 58, Bloomington, Jan. 30—60m, Gooden (In) 6.71. TJ, Hayes (II) 53-2/4.

#### IOWA

IOWA Women's Open, Cedar Falls, Feb. 7 /220 unbanked synthetic/—600y, El Mouta-

wakel' (IaSt) 1:20.10. 2M, Murray (WnII) 10:08.9. 60H, Taylor (IISt) 7.88. LJ, Taylor 19-7½; 2. Richardson (Mo) 19-6½.

#### KANSAS

KANSAS Women's Invitational, Lawrence, Jan. 24—TJ, Rhodes (Ks) 40-3½. SP, Buchanan (Ks) 50-4.

JAYHAWK Women's Invitational, Lawrence, Feb. 6-7 /252y unbanked synthetic—oversized/—600y, Milling (Nb) 1:20.5; 2. Powell' (Nb) 1:20.7. 60H, Kilpatrick (KsSt) 7.91. 4 x 880, Oklahoma State 8:55.26. LJ, Igeh' (WayB) 20-1. TJ, Robinson (Nb) 40-¾; 2. Carpenter (KsSt) 39-7¼. SP, Suggs (KsSt) 53-5½; 2. Buchanan (Ks) 48-5½.

#### MARYLAND

NAVY Invitational, Annapolis, Feb. 6 /220 unbanked synthetic/—500m, Wharton (De St) 1:02.32. Mile, K. Cheruiyot' (MSM) 4:00.20; 2. Harris (Navy) 4:03.52.

#### MASSACHUSETTS

GREATER Boston Championships, Allston, Feb. 5-7 /220 banked synthetic/—Teams: 1. Northeastern 97; 2. Harvard 58; 3. Boston College 56; 4. Boston U 43; 5. MIT 24; 6. Brandeis 14; 7. Tufts 10. 2M, Nakkim' (BosU) 8:51.9. 5000, Tulloh' (BosU) 13:59.05; 2. Gompers (Har) 14:01.29. LJ, Hawkins (BosC) 25-4. TJ, Hawkins 51-0.

Women: Teams: 1. Boston College 98; 2. Harvard 76; 3. Boston U 62; 4. Northeastern 47; 5. Tufts 24; 6. Brandeis 10. 220y, Knijn' (BosU) 24.91. 440, Knijn' 54.90. Mile, McMacken (BosU) 4:47.33. 5000, Quelch' (BosC) 16:48.1. 60H, Sugrue (Har) 8.37. HJ, Sugrue 5-8. TJ, Sugrue 38-7. Wt, Andrews (BU) 48-¾.

#### MICHIGAN

WESTERN Michigan Relays, Kalamazoo, Jan. 31 /200m unbanked synthetic/—800, McIntosh (unat) 1:49.65. 3000, Hanson (Nik) 8:01.65. 55H, Washington (Kar) 7.0h. Heats: 1-1. Washington 7.10. 4 x 400, Eastern Michigan 3:12.6. HJ, Glassburn (Pur) 7-3. SP, J. Smith (unat) 64-8½.

SPARTAN Relays, East Lansing, Feb. 7 /220y unbanked synthetic/—Women: 300y, Bullock (ChiSt) 34.78; 2. Smalls (MiSt) 35.01. 440, Bullock 55.10. SP, Bunge (OhSt) 49-3.

#### MINNESOTA

FRANK Shorter Invitational, Minneapolis, Jan. 31 /200m unbanked synthetic/—Women: Teams: 1. Iowa 129; 2. Rice 98; 3. Minnesota 81. 500m, McIntosh (Rice) 1:12.07. 3000, Seymour (Sota) 9:17.55; 2. Klassen (Rice) 9:35.12. 4 x 800, Iowa 8:49.31. SP, Fettig (Sota) 48-0.

#### MISSOURI

MISSOURI Invitational, Columbia, Jan. 31 /220y unbanked synthetic/—60y, Imoh' (unat) 6.19. LJ, Harrison (KsSt) 25-5½. TJ, Beasley (ArSt) 52-7.

Women: 300, Kaiser (Mo) 34.43. Mile, Dornhoefer (AW) 4:40.36. 2M, Herbst (Wi) 9:59.25; 2. Wolter (Wi) 10:08.83. SP, Suggs (Ks St) 53-8½; 2. Buchanan (Ks) 49-10.

#### NEW JERSEY

PRINCETON Relays, Princeton, Jan. 31-Feb. 1 (2/1—men) /220y unbanked synthetic/—SpMed(y), Seton Hall 3:24.73; 2. Princeton 3:26.00. Wt, Halpin' (Man) 67-2.

Women (1/31): SpMed(y), Virginia 4:03.87; 2. Seton Hall 4:04.99. DisMed(y), Maryland

11:50.58. LJ, Gage (GM) 19-9. TJ, Gage 41-4¼ (10, x A, AmC); 2. Wills (Army) 39-10. SP, St. Phard' (Prin-Hai) 53-5 NR. Wt, Rogozinski (GM) 50-9½.

#### NORTH CAROLINA

GEORGIA Women 52-North Carolina 47, Chapel Hill, Jan. 24—60y, Torrence (Ga) 6.76.

#### OREGON

FRED Meyer Indoor Meet, Eugene, Jan. 31 /147y banked board/—Women: 880, Jones (O) 2:16.9. LJ, Jampolsky (Or) 18-5½. SP, Ponath (unat) 51-3; 2. Brown (Or) 49-9.

#### RHODE ISLAND

CAL Track/CSS Invitational, Providence, Feb. 1 /200m unbanked synthetic/—Mile, O' Mara' (Reeb) 3:53.42 (WL) (3:37.9 WL) (58.8); 2. Spivey (AW) 3:55.71 (AL) (8, x A) (3:39.6 AL); 3. Abascal' (Spa) 3:56.74; 4. Flynn'

(Roos) 4:01.88; 5. Maree (Pum) 4:03.96; . . . dnf—Donovan' (Reeb) (1:55.5y), Aden' (GMTC) (56.5y). 4 x 400. 4 x 400, Florida 3:09.66 (WL, AL, CL) (Johnson, Rahal, Byrd, Mitchell); 2. Auburn 3:13.56; 3. Alabama 3:14.12. 4. East Carolina 3:18.04.

#### VIRGINIA

GEORGE Mason Women's Invitational, Fairfax, Feb. 7 /200m unbanked synthetic/—200, 1-1. Spence' (Hamp) 24.19; 2. Dendy (GM) 24.68. 11-1. Gage (GM) 24.75. 500, Dendy 1:12.89; 2. Lambelet (Nik) 1:13.26. 1500, J. Smith (NCSt) 4:31.86. 3000, Tuffey (NCSt) 9:37.43. LJ, Gage 19-11¼; 2. Austin (NC) 19-7. TJ, Alexander (Hamp) 40-9½.

#### WISCONSIN

TENNESSEE 84-Wisconsin 47, Madison, Jan. 31—HJ, Heitzman (Tn) 7-3¼. LJ, Robinson (Tn) 25-3¼; 2. Tillman (Tn) 24-8. TJ, Tillman (Tn) 53-½. SP, Reid (Tn) 61-0.

### MAJOR INTERNATIONAL MEETS

WODARS: 1:58.42 WR

EAST GERMANY 218-Yugoslavia 116-Austria 103, Vienna, Austria, Jan. 10 /200 banked board/—

200, Prenzler (EG) 21.07.  
800, Mogalle (EG) 1:47.34; 2. Popovic (Yug) 1:48.08.

1500, Herold (EG) 3:39.20.  
● 5000Walk, Weigel (EG) 18:44.97 WR (old WR, 18:54.6 Matveyev [SU] '82); 2. Wieser (EG) 19:22.84.  
LJ, Beer (EG) 26-1; 2. Mai (EG) 25-10.  
TJ, Mai 55-10½.

Women:

60m, Gohr (EG) 7.17; 2. Gladisch (EG) 7.23. Heats: Gohr 7.20.

200, Emmelmann (EG) 23.29.  
400, Muller (EG) 51.09; 2. Neubauer (EG) 52.68; 3. Forgasz (Hun) 52.71.

★ 800, Wodars (EG) 1:58.42 WR (old WR 1:58.4 Vkrushcheva [SU] '80); 2. Colovic (Yug) 2:00.46 NR; 3. Lange (EG) 2:02.66.  
3000, Obst (EG) 9:00.16 (nee Bibernell).  
60mH, Oshkenat (EG) 7.91; 2. Theele (EG) 8.04. Heats: Oshkenat 7.91, Theele 8.04.

HJ, Beyer 6-4¼; 2. Bienias 6-4¼.  
LJ, Radtke (EG) 23-¾.

KOSTADINOVA 6-8¼ WR

GENOA, Italy, Jan. 31 /200 banked board/—

200, Tilli (Ita) 20.99.  
LJ, Evangelisti (Ita) 25-11.

● TJ, Markov (Bul) 57-¼ NR (7, 10 W).  
SP, Andrei (Ita) 68-7¼.

Women:

60m, Nuneva (Bul) 7.14.  
200, Nuneva 23.24.

400, Stamenova (Bul) 53.55.

● 60mH, Donkova (Bul) 7.82 NR (4, 6 W).  
3000Walk, Salce (Ita) 13:13.68.

★ HJ, Kostadinova (Bul) 6-8¼ /2.04 WR (old WR 6-8 /2.03 Bykova [SU] '83) (in/out: x, =10 W).

SP, Mitkova (Bul) 60-3¼.

#### BRITISH CHAMPIONSHIPS

Cosford, January 24—

200m banked synthetic.

60m, Bunney (GB) 6.62; 2. Henderson (GB) 6.66 NJR; . . . 6. Krullee (unat) 6.85.

200, Christie (GB) 21.23.

400, Bannett (GB) 47.12; . . . 3. Egbunike (Nig) 47.66. Semis(1/23): 11-1. Egbunike 47.25.

800, Morrell (GB) 1:48.66. 1500, Edwards (GB) 3:47.52. 3000, Passey (GB) 7:52.87; . . . 3. Buckner (GB) 7:54.01.

60H, Ridgeon (GB) 7.66; 2. Jackson (GB) 7.67; 3. Walker (GB) 7.70; . . . dnf—Campbell (SSTC) (fell at second hurdle).

Heats: 1-1. Campbell 7.69; . . . 3. D. Thompson (GB) 8.15. Semis: 1-1. Campbell 7.71. 11-1. Jackson 7.72.

HJ, Pierre (GB) 7-½. PV, Gutteridge (GB) 17-4¼; . . . nh[16-¾]—Thompson. LJ, Williams (GB) 25-¾. TJ, Holm (Swe) 53-9.  
SP, Savory (GB) 57-5¼.

#### GB CHAMPS—WOMEN

60, King (GB) 7.27. 400, Gandy (GB) 55.67. 800, Prietoe (GB) 2:04.18).

1500, Wade (GB) 4:09.26; 2. Murray (GB) 4:10.62; 3. Cahill (nee Boxer) 4:15.08.

60H, Skeete (GB) 8.21.

HJ, Boyle (GB) 6-2¾. LJ, Berkeley (GB) 20-11¼. SP, Oakes (GB) 59-2¼.

#### KARLSRUHE

Karlsruhe, West Germany, January 28—

200m banked synthetic.

60, Desruelles (Bel) 6.63; 2. Butler (Maz) 6.64 (=10, x A); 3. R. da Silva (Bra) 6.65; 4. Marie-Rose (Fra) 6.65; 5. Berger (Aut) 6.66; 6. Obeng (GB) 6.69.

Heats: Berger 6.65.

● 200, Skamrahl (WG) 20.83 (=6, x W); 2. Butler 20.94 (2, 2 A); 3. Lubke (WG) 21.30.  
400, Visserman (Hol) 46.88; 2. McCoy (Maz) 47.23. 3. Keim (WG) 47.34; 4. Kitur (Ken) 47.43; 5. Anzrah (Ken) 47.54.

800, Lahbi (Mor) 1:47.06 NR; 2. Druppers (Hol) 1:47.13. 3. Ruter (WG) 1:48.54; 4. Fer-

ner (WG) 1:48.91; ... 8. Washington (USAR) 1:50.08 ... 10. Assmann (WG) 1:50.35.  
1500, Kulker (Hol) 3:42.86; 2. Welzel (WG) 3:45.39; ... 8. Ilg (WG) 3:51.10.  
● 60H Stewart (Cheet) 7.68 (=7, x A); 2. Giurgean (Rom) 7.76, 3. Bakos (Hun) 7.78.  
HJ, Povarnitzin (SU) 7-4%.  
PV, Gataullin (SU) 18-4%; 2. tie, Kozakiewicz (WG) & Zalar (Swe) 17-4%.  
LJ, Myricks (Maz) 26-8%; 2. Thomas (WG) 26-1%; 3. Layevskiy (SU) 25-3%; 4. Szalma (Hun) 25-2%; 5. Klimaszewski (Pol) 25-2.

#### Women:

200, Kinzel (WG) 23.73.  
800, I-1. Melinte (Rom) 2:03.51. II-1. Sedlakova (Cze) 2:03.17.  
1500, Jungiatsu (Rom) 4:12.60; 2. Walterova (Cze) 4:12.87; 3. Kraus (WG) 4:12.89.  
60H, Zaczakiewicz (nee Reidick) (WG) 8.17.  
HJ, Davies (GB) 6-3%; 2. Klimek (WG) 6-2.  
LJ, Ionescu (Rom) 21-9.

#### SINDELFFINGEN

Sindelfingen, West Germany, January

30-  
200m banked synthetic.  
60, Desruelles (Bel) 6.62; 2. Bringmann (EG) 6.63; 3. R. da Silva (Bra) 6.66.  
Heats da Silva 6.63.  
200, I-1. Krylov (SU) 20.97; 2. Skamrahl (WG) 21.02. II-1. Dobeleit (WG) 21.02; 2. Butler (Maz) 21.05 (x, 4 A).  
500, McCoy (Maz) 1:03.12.  
1000, Lahbi (Mor) 2:21.98.  
2000, Ilg (WG) 5:08.61.  
60H, Giurgean (Rom) 7.78; ... dnf-Stewart (Cheet).

HJ, Paklin (SU) 7-8; 2. Thranhardt (WG) 7-6%; 3. Wszola (Pol) 7-4%; 4. Popescu (Rom) 7-2%; 5. Povarnitzin (SU) 7-2%; ... 9. Daihauser (Swi) 7-2%; 10. Malchenko (SU) 7-2%.  
PV, S. Bubka (SU) 18-8%; 2. Salbert (Fra) 18-8%; 3. Gataullin (SU) 18-4%; 4. Kozakiewicz (WG) 18-%; 5. Zalar (Swe) 18-%; 6. V. Bubka (SU) 17-8%.  
LJ, Myricks (Maz) 26-4%; 2. Thomas (WG) 26-2%; 3. Layevskiy (SU) 25-6.  
TJ, Bouschen (WG) 54-3%; 2. Hoffman (Pol) 53-5%.

#### Women:

60, Auerswald (EG) 7.25.  
200, Arendt (WG) 23.51.  
1000, Melinte (Rom) 2:42.32; 2. Jungiatsu (Rom) 2:43.34; 3. Walterova (Cze) 2:44.76.  
3000, van Hulst (Hol) 8:53.82 NR.  
60H, Heggli (Swi) 8.09 NR.  
LJ, Ionescu (Rom) 21-9.  
SP, Briesenick (EG) 66-3; 2. Neimke (EG) 65-11; 3. Losch (WG) 65-5%; 4. Plotzitzka (WG) 62-5%.

#### STUTT GART

Stuttgart, West Germany, February 1-

200m banked synthetic.  
60, Desruelles (Bel) 6.66 (rolling start); 2. Bringmann (EG) 6.67; 3. Haas (WG) 6.76.  
● 200, Krylov (SU) 20.74 NR (=3, =4 W); 2. Regis (GB) 21.03; 3. Williams (Can) 22.07.  
● 300, McKay (Maz) 32.51 WR, AR (old WR 32.72 Skamrahl (WG) '86; old AR 32.92 Butler [unat] '86); 2. Skamrahl (WG) 32.87 (x, 4 W); 3. Franks (AW) 32.95 (5, 6 W; 3, 3 A); 4. Mafe (GB) 34.60.

● 800, Druppers (Hol) 1:46.29 NR (3, 4 W); 2. Lahbi (Mor) 1:46.32 NR (4, 5 W); 3. Olsson (Swe) 1:46.77 (10, x W); 4. Assmann (WG) 1:48.78; 5. Kilbert (Swi) 1:49.76.  
1500, Kulker (Hol) 3:40.42; 2. Baumann (WG) 3:40.90; 3. Krron (Swe) 3:41.26.  
3000, Dee (GB) 7:51.79; 2. Tesacek (Cze) 7:52.28; 3. Guldberg (Den) 7:52.47.  
60H, Ridgeon (GB) 7.68.

HJ, Thranhardt (WG) 7-6%; 2. Paklin (SU) 7-6%; 3. Wszola (Pol) 7-4%.  
PV, S. Bubka (SU) 19-2%; 2. Kolasa (Pol) 18-4%; 3. tie, V. Bubka (SU), Kozakiewicz (WG) & Zalar (Swe) 18-%; 6. Collet (Fra) 17-4%.  
SP, Stolz (WG) 67-1% NR.

#### Women:

60, Vader (Hol) 7.28; 2. Auerswald (EG) 7.29; 3. Ashford (Maz) 7.34.  
200, Vader 23.54.  
1000, Wade (GB) 2:38.95 NR; 2. Jungiatsu (Rom) 2:39.43 NR; 3. van Hulst (Hol) 2:40.13 NR; 4. Eckhardt (WG) 2:41.22.  
1500, Melinte (Rom) 4:06.54; 2. Kraus (WG) 4:06.92; 3. Gasser (Swi) 4:08.76 NR; 4. Murray (GB) 4:09.15; 5. Walterova (Cze) 4:10.23 NR.  
SP, Losch (WG) 66-10; 2. Neimke (EG) 66-7%; 3. Briesenick (EG) 65-8%; 4. Plotzitzka (WG) 64-11%; 5. Oakes (GB) 59-11.

#### WEST GERMAN CHAMPIONSHIPS

Karsruhe, February 6-7-

200m banked synthetic.  
Men (2/6-200q, 60H, PV, TJ, SP):  
60m, Haas 6.62; 2. Schlicht 6.63. Heats: I-1. Haas 6.62. Semis: I-1. Haas 6.62.  
200, Kistner 21.22. Semis: II-1. Pferisch 21.92; ... dq[1]-Skamrahl 21.86.  
● 400, Henrich 46.25 (WL); 2. Keim 46.89; 3. Weber 47.54.  
800, Braun 1:48.78. 1500, Monkemeyer 3:45.95. 3000, Baumann 7:57.13; 2. Ilg 7:57.55. 60H, Mattern 7.74.  
4 x 200, SCC Berlin 1:26.25. 4 x 400, VfL Sindelfingen 3:08.75 (WL) (Benz, Schnabel, Weppeler, Vaihinger). 3 x 800, TV Wattenscheid 7:08.31.  
HJ, Thranhardt 7-8 (7-3%, 7-5%, 7-7, 7-8). PV, Zintl 17-8%; 2. Kozakiewicz 17-8%. LJ, Thomas 26-2%. TJ, Bouschen 53-5%. SP, Gelhausen 65-5%; 2. Stolz 65-4.

#### WG CHAMPS-WOMEN

(2/6-3000, 60H, HJ):  
● 60, Sarvari 7.26. 200, Sarvari 23.17 (WL); 2. Kinzel 23.81. 400, Arendt 52.51.  
800, Bruckner 2:02.95. 1500, Michalek 4:16.90. 3000, Kraus 8:56.45. 60H, Oker 8.17.  
● 4 x 200, VfL Sindelfingen 1:34.13 (WL) (3 W) (Sarvari, Bersch, Koninger, Wolf); 2. SC Eintracht Hamm 1:34.14 (=4 W) (Knoll, Arendt, Hannemann, Kinzel). Heats: IV-1. Hamm 1:34.85 (WL) (11 W).

HJ, Redetzky 6-4%. LJ, Hirsch 21-2. SP, Losch 68-1; 2. Storp 63-2; 3. Plotzitzka 62-½.

#### EAST GERMAN CHAMPS

Senftenberg, Feb. 7-8 (2/7-60, 400, 3000, 60H, 10kmW, HJ, PV, LJ) /250m banked board-oversized/-  
60m, Bringmann 6.64. 100y, Bringmann

9.66. 200, Prenzler 21.27; 2. Schersing 21.32. 400, Schersing 46.70.

800, Mogalle 1:48.39. 1500, Herold 3:40.09. 3000, Herold 7:59.94. 5000, Schildhauer 13:44.29. 60H, Oschkenat 7.83. 10kmW, Weigel 39:06.09. 2. Gauder 40:26.64.

HJ, Wessig 7-6%. PV, Uietz 17-4%. LJ, Beer 25-10%. TJ, Mai 55-8%; 2. Gamlin 54-5%.

● SP, Timmermann 72-7% (x, 4 W).

#### EAST GERMAN CHAMPS-WOMEN

2/7-60, 400, 3000, 60H, LJ, SP-

● 60m, Gohr 7.11 (WL) (x, =13 W); 2. Gladisch 7.19; 3. Auerswald 7.21.  
● 100y, Drechsler 10.15 WR (old WR 10.24 Drechsler '86); 2. Gohr 10.28 (3, 4 W); 3. Auerswald 10.42; 4. Gladisch 10.44.  
200, Emmelmann 23.04; 2. H. Morgenstern 23.79; 3. Feuerbach 24.29.  
400, Busch 51.10; 2. Muller 51.21; 3. Neubauer 51.94.  
● 800, Wachtel 1:58.79 (all tracks: 5, 5 W); 2. Wodars 1:58.79 (all tracks: x, =6 W); 3. Lange 1:59.71 (all tracks: 10, x W).  
1500, Wuhn 4:05.05 (all tracks: 8, x W); 2. Barth 4:08.95; 3. Oehme 4:10.00.  
3000, Obst (nee Bibernell) 9:01.38.  
● 60H, Oschkenat 7.86 (x, =10 W); 2. Uibel 7.93; 3. Theele 8.02; 4. Tillack 8.37. Heats: Oschkenat 8.00.  
5000W, Kampa 23:47.33.

● HJ, Beyer (nee Helm) 6-7/2.01 NR (3, 4 W) (in/out: =5, x W) (surpasses Ackermann as highest-jumping East German, and also knocks Ackermann out of all-time top 10); 2. Bienias 6-3%.

LJ, Drechsler 23-½ (21-11%, 22-9, 23-½, 13-6%, 22-9%, 23-½); 2. Radtke 22-10.

SP, Hartwig 68-1 (12, x W); 2. Krieger 67-½; 3. Muller 66-11%; 4. Briesenick 66-5; 5. Neimke 64-6; 6. Schulze 63-7; 7. Kleeberg 61-0.

#### FRENCH CHAMPIONSHIPS

Lievin, Feb. 7-8 (2/7-60m, 5000W,

PV, TJ) /200 banked synthetic/-  
● 60m, Seck (Sen) 6.56 NR (=5, x W); 2. Marie-Rose 6.56 NR (=5, x W); 3. Richard 6.61; 4. Moriniere 6.61.  
● Heats: Seck 6.63, Marie-Rose 6.66. Semis: Seck 6.57 =NR, =PR (=8, x W), Marie-Rose 6.60 NR.  
● 200, Marie-Rose 20.57 NR (=2, =2 W); 2. R. da Silva (Bra) 20.75 NR (=6, =7 W); 3. Quehervive 20.90; 4. Pas. Barre 20.97.  
Heats: Marie-Rose 20.86 NR.  
400, Zorgui 48.22. 800, Lahbi (Mor) 1:49.03. 1500, Perret 3:41.94. 5000W, Fesselier 20:16.85.  
● 60mH, Caristan 7.52 (x, 4 W). Heats:  
● Caristan 7.50 NR (3, 3 W). Semis: Caristan 7.61.

HJ, Dhaneus 7-½. PV, Salbert 18-4%; 2. Collet 18-½. LJ, Brige 25-10%. TJ, Helan 54-1%. SP, Treguilly 57-2%.

Women (2/7-200, 3000W, 60mH, HJ,

SP):  
60m, Bily 7.30. Semis: Bily 7.27 =NR.  
200, Cazier 23.81. 400, Ficher 53.65. 800, Guerrero 2:07.15. 1500, Hanon 4:26.20.  
60mH, Piquereau 7.97; ... 4. Elloy 8.20; ... 6. Mon. Ewanje-Epee 8.42. 3000Walk, Griesbach 13:36.25 NR (10, x W).  
HJ, Beaugendre 6-2; ... 6. tie, Mar. Ewanje-Epee & Landes 5-11%. LJ, Missoudan 20-9%. SP, Bertimon 51-1.

• INTERNATIONAL INDOOR RESULTS BY NATION •

BELGIUM

BRUSSELS, Feb. 2—HJ, Sjöberg (Swe) 7-9½ (x, =6 W); 2. Zvara (Cze) 7-8 NR (=8, x W); 3. Thranhardt (WG) 7-8; 4. Howard (Maz) 7-7; 5. Nordquist (Tig) 7-7; 6. Carter (unat) 7-7; 7. Ottey (Can) 7-4½.

CANADA

COCA-COLA PENTATHLON, Toronto, Feb. 7 /200 unbanked synthetic; 60mH, LJ, SP, HJ, 1000/—1. Thompson (GB) 4320 (8.14, 24-1, 51-1½, 6-7, 2:43.08); 2. Smith (Can) 4222 (6-8¼); 3. Goodell (adi) 4146 (8.16 [PR], 23-2¼ [PR], 53-5½ [PR], 6-3¼, 2:49.44 [PR]).

EAST GERMANY

SENFTEMBERG, Jan. 31-Feb. 1 /250m banked synthetic—oversized; 1/31—HJ—HJ, Sereda (SU) 7-4¼. TJ, Valyukevich (SU) 55-10½.

Octathlon (Nat. Ch.; 60m, SP, HJ, 400/LJ, 60mH, PV, 1000), Voss 6873 (6.99, 47-9¼, 6-8, 49.17, 24-4¼, 8.13, 16-¾, 2:47.43); 2. Petersson 6657.

Women (1/31—800, 60mH): 800, Wachtel 1:59.33; 2. Wuhn 1:59.81. 1500, Wuhn 4:09.82; 2. Bruns 4:10.63; 3. Oehme 4:11.05. 60mH, Uibel 7.94. SP, Hartwig 68-¾.

Pentathlon (Nat. Ch.; LJ, 60mH, SP, HJ, 800): 1. Thiele 4488 (20-7, 8.46, 52-9¼, 5-6½, 2:25.31); 2. Schmidt 4384; 3. Schulz 4353; 4. Sobotka 4308.

FRANCE

PARIS, Feb. 1—60m, Seck (Sen) 6.57  
● NR (=7, x W); 2. Caristan 6.70.

HOLLAND

NATIONAL Championships, The Hague, Feb. 6-8—Women: 60m, Cooman 7.14.

SOVIET UNION

RIGA, Jan. 4—SP, Bojars 67-½ (first meet since '86 Goodwill games).

RYASAN, Jan. 5—TJ, Protzenko 57-5  
VILNIUS, Jan. 10-11.

CHELYABINSK, Jan. 15—Women: HJ, Doronina 6-4¼. SP, Antonyuk 66-8¼.

MINSK, Jan. 18—PV, Gataullin 19-¾. TJ, Valyukevich 55-9.

Women: HJ, tie, Bykova & Kazakova 6-3¼.

KLAIPEDA, Jan. 18 /track size unknown—TJ, Plekhanov 56-2½.

Women: 500m, Matuseviciene 1:11.3. HJ, Kositsyna 6-1¼. SP, Bimbaite 62-5¼.

LENINGRAD, Jan. 23—Women: SP, Akrimenkov 69-5¼.

● KIEV, Jan. 25—TJ, Musiyenko 57-¾ (7, 10 W); 2. Inozvaysev 56-8¼.

MOSCOW, Jan. 25 /track size unknown/—Women: 800, Kiryukina 2:00.6.

VOLGOGRAD, Feb. 1—Women: 60m, Zhirova 7.16 NR (=11, x W).

• INTERNATIONAL OUTDOOR RESULTS BY NATION •

AUSTRALIA

HOBART, Jan. 6—4 x 400, New South Wales 3:05.4 (Clark 44.5).

MELBOURNE, Jan. 10-11—Women: Hept, Flemming 6213 (6-0).

PERTH, Jan. 22—100(2.2), Johnson (Can) 10.25. 400, Murphy 45.60; ... 3. Armstead (Accu) 47.43. 400H, Laverty (EPTC) 50.09. PV, Dial (AW) 18-4¼. TJ, Elliott (Bah) 53-8¼. SP, Oldfield (UCTC) 60-6¼. DT, Powell (Maz) 199-10. JT, Petranoff (AW) 259-9.

Women: 100(2.6), Issajenko (Can) 11.21.

PERTH, Jan. 24—100(3.5), Johnson 9.7h; 2. McBain 10.2; 3. Wells (GB) 10.3. 400, Clark 45.29; 2. Stone 45.88; 3. Armstead 47.29. Mile, Hillardt 3:58.35; ... dnf—Cram (GB) (pulled calf muscle badly with 300m to go while in 2nd). 400H, Laverty 50.89.

PV, Dial 17-8½; 2. Jessee (US) 17-¾. TJ, Seames 54-3¼w (53-6½); 2. Elliott 53-5w (52-4¼). SP, Oldfield 64-8. DT, Powell 199-2; ... 4. Oldfield 188-7. JT, Tafelmeier (WG) 261-9; 2. Petranoff 259-6.

Women: 100(3.8), Issajenko 10.8h. JT, Howland 209-9.

NEW ZEALAND

HAMILTON, Jan. 28—200, Clark (Aus) 20.68. SP, Oldfield (UCTC) 61-7. DT, Powell (Maz) 203-7; ... 3. Oldfield 192-9. HT, Logan (NYAC) 255-0 (249-10, 249-8, 250-8, 244-10, sf, 255-0). JT, Petranoff (AW) 269-10 (x, =6 A); 2. Hill (GB) 267-1.

AUCKLAND, Jan. 31—400, Clark 45.43. PV, N. Honey (Aus) 17-4½; 2. Jessee (US) 17-¾. TJ, Herbert (GB) 53-9; 2. Elliott (Bah) 52-9½. SP, Oldfield 63-¾. DT, Powell 201-0. HT, Logan 251-8. JT, Tafelmeier (WG) 268-11; 2. Hill 265-7; 3. Petranoff 262-10.

Women: JT, Howland (Aus) 220-2.

• MORE MAJOR U.S. MEETS •

GAINESVILLE SUN INVITATIONAL  
Gainesville, Florida, February 7-8 (2/7—3000, 4 x 800, PV, LJ, SP, prelims)—200m unbanked synthetic.

Teams: 1. Florida 160; 2. Clemson 74; 3. Georgia Tech 70; 4. Penn State 64; 5. Florida State 54; 6. Georgia 52; 7. Mississippi State 35. 55m, Waller (Ga) 6.23; 2. Mitchell (FI) 6.26; ... 6. L. Daniel (MsSt) 6.38.

Heats: I—1. Waller 6.20. Semis: I—1. Waller 6.15; 2. Mitchell 6.21; 3. Daniel 6.31.

● 300, Daniel 32.83 CR (old CR 32.96 Daniel [MsSt] '87) (3, 3 W; 2, 2 Z); 2. Waller 33.38; 3. Timpson (PennSt) 33.66.

● Heats: I—1. Daniel 32.96 CR (old CR 33.01 Timpson [PennSt] '86) (6, 7 W; 4, 4 A). III—1. Waller 33.03 (8, 9 W; 6, 6 A; 3, 3 C).

● 400, Duncan (Ga) 47.67; 2. Johnson (FI) 48.06; 3. Rahal (FI) 48.10.

● 500, Mitchell 1:01.02 (7, 8 W; 6, 7 A; 4, 5 C); 2. Everett (FI) 1:01.80.

● 800, Levitre (Penn St) 1:49.80; 2. Byrd (FI) 1:50.50; 3. Waid (GaT) 1:53.25.

● 1000, Cornfield (Ga) 2:26.83; 2. Mills (Penn St) 2:27.47; 3. Riggins (GaT) 2:27.96.

● 1500, Pigg (FI) 3:45.25; 2. Drosky (GaT) 3:45.87; 3. Balkey (PennSt) 3:47.46.

● 3000, E. Smith (GaT) 8:12.51; 2. Conway

(FI) 8:13.18; 3. Carter (PennSt) 8:17.14.

● 5000, Skov' (Clem) 14:35.16.  
55H, Blake (FISt) 7.19; 2. Morris (GaT) 7.36; 3. Purvis (GaT) 7.44; ... 9. Timpson 7.92.

Semis: I—1. Blake 7.16.

● 4 x 400, Florida 3:11.22; 2. Mississippi State 3:12.74; 3. Georgia Tech 3:14.96.

● 4 x 800, Penn State 7:33.06; 2. Florida State 7:40.02; 3. Florida A&M 7:51.47.

● DisMed, Florida 9:53.55; 2. Clemson 9:54.65; 3. Georgia Tech 9:54.81.

● HJ, Boyer (Clem) 7-0; ... 6. Duncan 6-10. PV, Watson (FI) 16-6; 2. Ott (FI) 16-6.

● LJ, Rahal 25-3¼; ... 4. Akridge (FI) 24-1¼; ... 6. Duncan 23-4¼.

● TJ, Akridge 52-1¼; ... 3. Johnson 49-¾. SP, Spiritoso' (Clem) 64-11½; 2. Turco (FI) 60-¾; 3. Judge (Ga) 59-9¼.

FLORIDA—WOMEN

2/7—3000, 4 x 800, LJ, SP, prelims.  
55m, Finn (FISt) 6.89; 2. Smith (Ga) 6.93; 3. Harrison (GaT) 6.95; 4. Ogunkoya' (MsSt-Nig) 6.98; 5. D. Young (YASC) 7.07.

● Heats: I—1. Sowell 6.86. II—1. Finn 6.85.

● Semis: I—1. Finn 6.83; 2. Smith 6.87. II—1.

Harrison 6.87. (Sowell dnc semis.)

● 300, Young 37.65 (WL, AL) (5, 6 A); 2. Ogunkoya' 37.65 NR (=WL, CL) (6, 9 C); 3. Thomas' (Tx) 39.56; 4. Smith 40.05.

● Heats: I—1. Ogunkoya' 38.37 NR. II—1. Young 38.34 (11, x A).

● 400, A. Jackson (Coke) 53.60 (13, x A); 2. Shurr (Pum) 55.74; 3. Hawkins (unat) 56.14.

● Heats: I—1. Jackson 54.43.

● 500, Harrison 1:12.26; 2. Halliday (Vill) 1:12.35; 3. King (Tx) 1:13.05; 4. Ward (Mia/F) 1:13.31; 5. Cofield (FIAM) 1:15.84; 6. Hardison (Tx) 1:19.31.

● Heats: III—1. Hardison 1:11.88.

● 800, Sa. Braasch (FI) 2:10.73.

● 1000, Nash (FI) 2:44.88 (CL); 2. Davidson (Tx) 2:45.95; 3. So. Braasch (FI) 2:49.53; 4. C. Gallagher (Vill) 2:49.61.

● 1500, Seaby (Vill) 4:21.85; 2. Franey (Vill) 4:24.21; ... 4. Matson (FI) 4:34.21.

● 3000, Schweitzer (Tx) 9:14.9 (CL); 2. Jamrozy' (Clem) 9:15.4; 3. Natale (Tx) 9:17.8; 4. Borovicka (unat) 9:18.3; 5. Hammeren (FI) 9:20.1; 6. Leopold (Tx) 9:27.2.

● 5000, Webb (Pum) 15:52.44 (WL, AL) (x, 7 W, A); 2. Clifford (FI) 16:36.29.

● 55H, McKenzie (Maz) 7.77; 2. Nelson' (Tx) 7.79; 3. Council (Aub) 7.90.

Semis: II-1. McKenzie 7.74; 2. Nelson' 7.83.

4 x 400, Texas 3:43.14 (King, Gaines, Hardison, Thomas'); 2. Florida A&M 3:44.50; 3. Penn State 3:44.66; 4. Florida State 3:45.17.

● 4 x 800, Villanova 8:25.5 WR, AR, CR (old records 8:29.35 Florida '86) (in/out: 11 A, 6 C) (Procaccio 2:05.6, Grant 2:04.5, DiMuro 2:09.9, Halliday 2:05.5); 2. Penn State 9:04.6.

● DisMed, Villanova 11:00.76 WR, AR, CR (old records 11:19.39 Virginia '82) (in/out: 3 A, C) (Grant 2:06.4, Halliday 55.6, Procaccio 3:23.9, Huber 4:34.9); 2. Penn State 12:08.74.

HJ, Ellerson (Ga) 5-10; 2. Kelly (FIHS) 5-10.  
LJ, Nelson' (Tx) 20-2.  
TJ, Levy (FIS) 39-1½.  
SP, Lane (Tx) 48-4%.

#### DAILY OKLAHOMAN CLASSIC

Oklahoma City, February 14-  
160m banked board.

60y, Tatum (TCU) 6.19; 2. Smith' (TCU) 6.26. 300, Spells (SMU) 30.31. 440, Ingraham (unat) 48.08. College 440(2/13), Madox (ACU) 47.82. 500m, Pierre (Bay) 1:01.60.

880, Lahuerta' (HBap) 1:54.88. 1000m, tie, Christie (PV) & Valen (Bay) 2:26.8h. Inv 1000, Proctor (EPS) 2:26.4h.

Mile, Kelly (Ok) 4:13.99. Inv Mile, Gwandu' (TxT) 4:07.86; 2. Jennings (Emp) 4:09.00. 3000, Ybarra (TxT) 8:14.84.

60H, Cole (AIA) 7.25; 2. Daniels (UTA) 7.28; 3. Register (Ar) 7.33.

4 x 440, Baylor 3:13.00; 2. TCU 3:14.73.  
4 x 880, Arkansas 7:35.2.

HJ, Lott (Tx) 7-5½; 2. tie, Budnik (unat), Jasinski (ACC) & Todd (Ok) 7-0.

InvPV(2/13), Dial (AW) 18-8½; 2. tie, Pascoe (Ar) & Hodge (AIA) 17-0; 4. McMichael (Ok) 17-0; 5. Benavides (unat) 17-0.

PV, Bohanan (Ks) 17-9; 2. McMichael 17-6; 3. Hix (SMU) 17-6; 4. tie, Pascoe & Benavides 17-0; 6. Thaxton (ACU) 17-0.

CollPV, Miller (ACU) 1B-0; 2. Thaxton 17-3.

LJ, Starks (NWNLa) 25-6¼; 2. Lovelace (unat) 25-0; 3. Register 24-9; 4. Switzer (unat) 24-7%.

SP, Kobza (unat) 64-6; 2. Wade (Ok) 63-¾.

#### DAILY OKLAHOMAN-WOMEN

2/13-880, 1000, 3000.

60y, Tolbert (AzSt) 6.81; 2. Walker (ACU) 6.94; 3. Coates' (ACU) 6.97.

● 300, Coates' 33.91 (WL, CL) (8, x W; 6, x C); 2. Walker 34.16 (AL) (B, x A; 9, x C); 3. Straughn' (ACU) 34.53; 4. Ford (TCU) 34.64. 440, Forbes (Wich) 56.33; 2. A. Thomas' (WayB) 56.68; 3. Luckett (PV) 56.91.

500m, Silvera' (Ok) 1:13.71; 2. Y. Henry (ACU) 1:13.96.

880, Sye (Ar) 2:12.01.

1000m, Craig' (OkSt) 2:55.54.

Mile, Sye 4:43.92; 2. Haberl (OkSt) 4:46.63.

3000, Mota' (Ar) 9:38.94.

60H, Walker (AzSt) 7.94.

4 x 440, Oklahoma 3:48.15.

4 x 880, Oklahoma 9:06.58.

HJ, Y. Henry 6-0; 2. M. Thomas' (ACU) 6-0; 3. Clough (Pum) 5-11%.

LJ, Newsome (RRTC) 20-5½; 2. Neal (PV) 19-10¼; 3. M. Thomas' 19-6½; 4. Igeh' (WayB) 19-4%; 5. Williams' (WayB) 19-4%.

TJ, Neal 40-0; 2. Gran' (UTSA) 38-11¼.

SP, Harvey (ACU) 45-6.

#### HUSKER INVITATIONAL

Lincoln, Nebraska, February 13-14-  
220y unbanked synthetic.

Men(2/13-3M, 4x8, LJ, SP, prelims):

60y, Edet' (Mo) 6.20; 2. Reed (OhSt) 6.22; 3. Trot' (Nb) 6.22; 4. McDaniel (Tn) 6.30.

Heats: I-1. Edet' 6.20.

300, Jelks (Nb) 30.31. 440, Ross (OhSt) 47.68. 600, Gonzales (Nb) 1:09.90. 880, Dew (NWMo) 1:52.56. 1000, Griffin (USC) 2:11.46.

Mile, Verster' (Nb) 4:00.91; 2. DeHaven (SDSt) 4:01.15; 3. Ashford (BYU) 4:01.57; 4. Nuttall' (IaSt) 4:05.76; 5. Waterhouse (BYU) 4:05.81; 6. Black' (IaSt) 4:06.26; 7. Wyns' (IaSt) 4:09.24.

2M, Stahl (KsSt) 8:43.23; 2. Reese (Co) 8:44.74; 3. Trujillo (Co) 8:45.35. 3M, Ortmeier (NWMo) 13:55.69.

60H, Talley (Al) 7.15. Heats: I-1. Talley 7.18.

4 x 440, Ohio State 3:13.74.

4 x 880, Nebraska 7:27.85; 2. Alabama 7:28.13; 3. Tennessee 7:32.25.

HJ, Blackledge (Nb) 7-1½. PV, Hunsaker (BYU) 16-6%. LJ, Shell (BartCC) 25-¾. TJ, Tillman (Tn) 53-4½.

SP, Bogason' (Al) 58-8%. Inv SP, Lofquist (unat) 64-1%; 2. Schnebel (unat) 62-4%; 3. Wenj (USC) 60-2%; 4. Reid (Tn) 59-3½; 5. Bogason' 59-2%.

#### HUSKER-WOMEN

2/13-3M, 4 x 880, HJ, LJ, prelims.

60y, Davis' (Al) 6.92; 2. Richardson (Mo) 6.95; 3. Kruger' (Nb) 6.96; 4. tie, McLaughlin (Tn) & Qualls (WaSt) 6.97.

Heats: IV-1. Qualls 6.83.

300, Davis' 34.1; 2. Kaiser (Mo) 34.2; 3. McClatchey (Il) 35.0; 4. Carr (Il) 35.1.

Heats: VI-1. Kaiser 34.47.

● 440, Wilson (Nb) 53.63 (CL) (7, x A; 6, 8 C); 2. O'Hara (Ks) 55.72; 3. Bodden (Il) 56.00. Heats: IV-1. Wilson 54.39.

● 600, Milling (Nb) 1:19.00 (CL) (=7, =10 W; 5, 8 A; =6, =9 C); 2. Powell' (Nb) 1:19.59; 3. Hawkins (Ia) 1:21.06; 4. Moore (Tn) 1:21.20; 5. N'Drin' (WaSt) 1:21.78.

Heats: II-1. Powell' 1:20.71.

880, Hull (UNLV) 2:08.5; ... dnc-Harvey (Tn).

Heats: I-1. Harvey 2:08.32. II-1. Hull 2:09.06.

1000, Kruckeberg (Ia) 2:30.11; 2. Cassidy' (IlSt) 2:33.99; 3. Ca. McMordie (Co) 2:34.00.

Mile, Jenkins (BYU) 4:46.76; 2. Cook (BYU) 4:49.90; 3. Mullan' (BYU) 4:50.94; 4. Clark (USC) 4:50.94.

2M, Olafsdottir' (Al) 10:03.55; 2. Turner' (Al) 10:15.30; 3. Boes (CoSt) 10:20.43.

3M, Anderson (BYU) 16:07.09; 2. Erickson (Nb) 16:29.15; ... 4. Chamberlain (BYU) 16:57.80; ... 7. Sons (IaSt) 17:05.09.

60H, Davis (UNLV) 7.72; 2. Taylor (IlSt) 7.80. 3. Hyacinth' (Al) 7.83; 4. Waller (Co) 7.87; 5. Franklin (UNLV) 7.88; 6. Kilpatrick (KsSt) 7.92; 7. Beverly (Il) 7.93.

Heats: I-1. Beverly 7.92. II-1. Davis 7.77; 2. Taylor 7.77. III-1. Waller 7.81; 2. Franklin 7.82; 3. Hyacinth' 7.85.

● 4 x 440, Nebraska 3:39.75 (CL) (Milling, Webster, Powell', Wilson); 2. Illinois 3:43.19; 3. Iowa State 3:45.47; 4. UNLV 3:47.15.

4 x 880, Iowa 8:44.44 (12 C; 7th-fastest school) (Wodek, Suppelsa, Schneckloth, Kruckeberg); 2. Iowa State 8:44.79 (8th-fastest school) (Betz, El Moutawakel', Lentsch, Akraha'); 3. BYU 8:47.61; 4. UNLV 8:50.97; 5. Kansas State 9:00.30.

HJ, Tatum (Mo) 5-9%.

LJ, Kruger' 20-9; 2. Bates (USC) 20-3; 3. Brown (USC) 20-2¼; 4. Guthrie (Nb) 20-¾; 5. Richardson 19-10¼; 6. Hyacinth' 19-9%; 7. Eckl' (WaSt) 19-7; 8. Cobb (BarCCC) 19-6.

● TJ, Brown 43-6/13.26 (WL, AL, CL) (x, 9 W; x, 4 A; x, 6 C) (40-6%, 40-2, 43-6, f, 42-2¼, f); 2. Bates 42-11/13.08 (x, 10 A) (f, 41-3%, 42-11 [WL, AL, CL] [x, 9 A], 42-9% [x, =11 A], 42-6, 42-8); 3. Robinson (Nb) 40-9; 4. Taylor (Ks) 40-4¼; 5. Carpenter (KsSt) 40-0.

SP, Clements (USC) 54-9%; 2. Suggs (KsSt) 52-6%; 3. St. Phard' (Prin) 51-8¼; 4. Buchanan (Ks) 51-1; 5. Hugen (Doane) 49-5%; 6. Stuart (Kearn) 48-3½; 7. Barnes (Nb) 47-5%.

#### • LATE NEWS •

##### GUNTHER 73-¼ WR

SWISS Championships, Magglingen, Feb.

8-

★ SP, Gunthor 73-¼/22.26 WR (old WR 72-8/22.15 Timmermann [EG] '85) (in/out: 4, 10 W) (67-8¼, 69-2%, 71-1¼, 73-¾, 72-11¼ [x, 2 W], 68-7-average=70-5/21.46).

Five WRs have been set, but we're lacking complete details. We hope to have these next issue (along with the Sjoberg HJ WR which we promised last issue). The records broken: Men-1000, Igor Lotarev (SU) 2:18.00. Women-500, Irina Nazarova (SU) 1:08.8; 600, Lyubov Kiryukhina (SU) 1:26.41 and 1:25.46; 60mH, Yordanka Donkova (Bul) 7.74. Track sizes for the Soviet oval marks are unknown and may be oversized.

Upcoming newsletters in this volume are scheduled to be mailed March 5, 19; April 2, 16, 23, 30; May 7, 14, 21, 28; June 4, 18; July 2, 16, 20; August 13, 27; September 10, 24; October 15; November 12, December 24.