

TRACK

NEWSLETTER

THE SEASON CLOSES

It might be expected that the season would pretty much wind down to a quiet ending after the big climax at the European Championships. But the Continental campaign tailed off only a little.

The biggest news came from European 1500 champ Steve Ovett, who met Henry Rono for the first time ever at the Coke meet. The distance was a compromise 2M, but in the end it was Ovett's usual surging sprint that got the best of Henry and a world outdoor best 8:13.5 resulted (Emiel Puttemans did 8:13.2 indoors.) Rono still ran the fastest 2M ever by a collegian, 8:14.7.

Henry was still running well, though, producing a sub-28:00 10,000 in September.

Double European sprint champ Pietro Mennea continues to sprint well and world record setter Tatyana Selenzova continues to dominate the women's 400H. She highlighted the Soviet Championships with 54.96, No. 2 all-time.

FRANKFURT INTERNATIONAL

Frankfurt, W. G., Sept. 5-100, Crawford (Trin-PPC) 10.30; 2. Riddick (PPC) 10.34; 3. Williams (AA) 10.44; 4. Abrahams (Pan-Tob) 10.53; 5. Gilkes (Guy-Tob) 10.72; 6. Quarrie (Jam-Tob) 10.75. 200, Gilkes 20.64; 2. Williams 20.81; 3. Riddick 20.94; 4. Quarrie 21.08. 400, King (SDSGS) 46.36.

- 800, WULBECK 1:45.1; 2. Boit (Ken-Tob) 1:45.3; 3. Marajo (Fr) 1:45.8; 4. Cook (GB) 1:45.8; 5. Savic (Yug) 1:45.9; 6. McLean (PPC) 1:47.7.

Mile, Moorcroft (GB) 3:55.3; 2. Wessinghage 3:55.5; 3. Flynn (Eire) 3:56.2; . . . 7. Dixon (NZ) 3:58.9; 8. Fleschen 3:59.1; 9. Buerkle (NYAC) 3:59.9.

- 3000, RYFFEL (Switz) 7:42.2 NR (9th performer all-time world; 5th performer all-time Europe); 2. Malinowski (Pol) 7:42.5; 3. Rono (Ken-Wa St) 7:45.3; . . . 6. Cheruiyot (Ken-Wa St) 7:57.4.

110H, Bethel (PPC) 13.80. 400H, King 50.03.

HJ, Schneider 7-5 =NR; 2. Fields (unat) 7-3½; 3. Kotinek (PCC) 7-3½; 4. Thranhardt 7-¾. PV, Lohre 18-1 NR (11th performer all-time Europe); 2. Taylor (CNW) 17-4¾; 3. Buciariski (Pol) 17-4¾.

LJ, Cybulski (Pol) 25-11¾; 2. Stekic (Yug) 25-11½; 3. Rousseau (Fr) 25-3¾; 4. Robinson (SDSGS) 25-2½. SP, Feuerbach (AW) 65-7¾;

2. Komar (Pol) 62-6; . . nm-Shmock (Tob).

Women: 100, Szewinska (Pol) 11.63. 400, Szewinska 51.01. 1500, Maracescu (Rum) 4:10.0; 2. Puica (Rum) 4:11.1; 3. Kraus 4:11.6. 100H, Perka (Pol) 12.95; 2. Langer (Pol) 13.01. HJ, tie, Holzapfel & Meyfarth 6-3¼; 3. Brill (Can-PCC) 6-¾.

KOBLENZ INTERNATIONAL

Koblenz, W. G., Sept. 7-100, Crawford 10.24; 2. Gilkes 10.37; 3. Williams 10.44; 4. Abrahams 10.63. 200

- 200, GILKES 20.23; 2. Quarrie 20.69; 3. Williams 20.73.

- 800, BOIT 1:44.9; 2. Savic 1:45.8; 3. McLean 1:45.9; 4. Cook 1:46.0; 5. Marajo 1:46.7.

1500, Wulbeck 3:38.6; 2. Ryffel 3:39.3; . . . 4. Flynn 3:40.4; . . . 8. Fleschen 3:42.7; 12. Buerkle 3:43.9.

- St, MALINOWSKI 8:15.5; 2. Rono 8:17.5.

5000, Wessinghage 13:37.3; 2. Schots (Bel) 13:37.8; . . . 11. Cheruiyot 13:49.0; 12. Hildenbrand 13:49.3; . . . 18. Dixon 14:26.6. 110H, Bethel 13.84; . . . 4. Whitfield (US Ar) 13.96. 400H, King 50.08; . . . 3. Herrmann 52.28.

HJ, Fields 7-3½; 2. Kotinek 7-2¾. PV, Buciariski 17-10½; 2. Taylor 17-2¾. LJ, Stekic 26-1; 2. Cybulski 24-9¾; 3. Carter (US Ar) 24-9; 4. Rousseau 24-6.

SP, Feuerbach 65-0; 2. Shmock 63-9½. JT, Wessing 288-8 (288-8, f, 234-8, 263-6, 272-1, f).

Women: 100, Szewinska 11.71, 400, Szewinska 51.73. 800, Kacperczyk (Pol) 2:00.1; 2. Kraus 2:00.6. 100H, Perka 12.74; 2. Langer 12.97; . . . 4. Shmock (Lake) 14.67.

COCA-COLA INVITATIONAL

London, Eng., Sept. 15-100(-1.8), Crawford 10.41; 2. Gilkes 10.47; . . . 4. Edwards (Sn Cal) 10.59; 5. Quarrie 10.64. 200(-0.64), Gilkes 20.36; 2. Quarrie 20.63; 3. Edwards 20.64.

- 800, COE 1:44.0 NR (7th performer =15th performance all-time world; 4th performer, performance all-time Europe); 2. Maina (Ken) 1:46.3.

Mile, Moorcroft 3:55.4; 2. Williamson 3:55.8 NJrR (3rd performer, =5th performance all-time world Junior; 2nd performer, performance all-time Europe Junior); 3. Clement 3:56.1; 4. Bayi (Tanz) 3:56.1;

9. Paunonen (Fin) 4:05.1; 10. Masback (Oxb) 4:14.3.

- ● ● 2M, OVETT 8:13.5 WB, EB (old bests, 8:13.7 Foster [GB] '73) (440 splits: 61.6, 61.3 (2:02.9), 61.9 (3:04.8), 64.3 (4:09.1), 64.3 (5:13.4), 61.0 (6:14.4), 63.3 (7:17.7), 55.8 (4:04.4 2nd mile);
- 2. RONO 8:14.7 CB (old CB, 8:19.4 Prefontaine [Ore] '72) (62.2, 63.3 [2:03.5], 61.3 (3:04.8), 64.5 [4:09.3], 64.5 [5:13.3], 61.0 [6:14.3], 63.1 [7:17.4], 61.3);

3. Malinowski 8:18.4; 4. Polleunis (Bel) 8:22.2; 5. Rose (GB-MDAC) 8:22.4; 6. McLeod 8:25.8; . . . 10. Coghlan (Eire) 8:47.8. 5000, Nyambui (Tanz) 13:28.5; 2. Vainio (Fin) 13:28.9; 3. Tebroke (Hol) 13:29.0; . . . 10. K. Kvalheim (Nor) 13:57.7; . . . 12. Simmons 14:01.4; 13. Black 14:03.3.

110H, Holtom 14.04. 400H, Pascoe 49.63 (final IH race of career); 2. King 49.71; 3. Anicet (Fr) 49.96. MileWalk, Buccione (It) 6:00.0. PV, Pullard (All-Am) 18-½; . . . 3. Jessee (PPC) 17-4¾; 4. Taylor 17-¾. SP, Capes 65-7½; 2. Feuerbach 64-3¾.

Women: 200, Lannaman 22.88; 2. Szewinska 23.14. 400, Hartley 51.47. 800, Kacperczyk 1:59.8 NR; 2. Colebrook 2:01.6; . . . 7. Stewart 2:05.0; 8. Waitz (Nor) 2:05.3.

HJ, Tviert (Nor) 5-11¼. LJ, Davies 19-10¼. JT, Sanderson 207-6.

USSR CHAMPIONSHIPS

Tbilisi, Sept. 16-17-18 /Znamenskiy Memorial, Vilnius, July 18-22, not national championships/—100m, Ignatyenko 10.31. 200, Ignatyenko 20.86. 400, Dosyenko 46.35.

800, Kirov 1:46.3. 1500, Abramov 3:38.6. St, Filonov 8:35.9. 5000, Fyedorov 13:30.7. 10,000, Badrankov 28:54.6. 20kWalk, Semyenov 1:27:15; 2. Apalyis 1:27:35; 3. Yevsyukov 1:27:43.

110H, Prokofyev 13.77. 400H, Arkhipyenko 49.04 (9th performer all-time Europe); 2. Stukalov 49.70. 4 x 100, Leningrad 40.37. 4 x 200, Ukraine 1:22.9. 4 x 400, Ukraine 3:06.7.

- 4 x 800, RUSSIAN SFSR 7:13.2 (Malozemlin, Belokov, Cheronov, Abramov) (=9th performance all-time world).

HJ, Grigoryev 7-5 (missed 7-8½); 2. Molotilov 7-4¼; . . . 8. Senyukov 6-10¼. PV, Tananika 18-½; 2. Kishkun 17-10¼; 3. Dolgov 17-8½. LJ, Tsepelyev 26-4¼. TJ, Saneyev 55-10½ (8th title); 2. Valyukevich 55-7; 3. Uudmae 55-3¾; 4. Piskulin 54-8¼.

SP, Barishnikov 67-5; 2. Nosyenko 65-11¼; 3. Mironov 65-8½. DT, Duginyets 204-3. HT, Syedikh 252-7; 2. Zaichuk 245-6; 3. Spiridonov 245-0; 4. Bunyeyev 243-11. JT, Zaitsev 278-6.

Women: 100, Storoshkova 11.28. 200, Maslakova 22.62. 400, Kulchunova 50.84; 2. Prorochenko 51.13; 3. Mushta 51.59.

800, Providokhina 1:57.6; 2. Veselkova 1:57.8; 3. Styrkina 1:58.0. 1500, Dvirna 4:02.8; 2. Rigel 4:03.9; 3. Zaitseva 4:05.0; 4. Guskova 4:05.2; 5. Sadretdinova 4:05.8; 6. Ivanova 4:06.7; 7. Ilynych 4:06.7; 8. Byelusova 4:08.5. 3000, Ulmasova 8:48.4; 2. Byelusova 8:48.7; 3.

Guskova 8:48.8; 4. Sadretdinova 8:52.5; 5. Romanova 8:53.4; 6. Smehnova 8:54.0.

100H, T. Anisimova 12.83; 2. Morgulina 12.83.

- 400H, SELENZOVA 54.96 (2nd performance all-time world); 2. Makeyeva 56.44; 3. Zubova 56.97; 4. Kolyesnik 57.21.

4 x 100, Moscow 44.41. 4 x 200, Leningrad 1:33.9 (Proshanaya, Komisova, Sidorova, T. Anisimova) (10th performance all-time world); 2. Moscow 1:34.0; 3. Latvia 1:35.8. 4 x 400, Ukraine 3:30.1; 2. Russian SFSR 3:32.7.

- 4 x 800, LENINGRAD 8:01.9 (Providokhina, Veselkova, Dvirna, Kyaznesova) (3rd performance all-time world); 2. Russian SFSR 8:02.0 (4th performance all-time world); 3. Moscow 8:12.5 (7th performance all-time world)

HJ, Ivanshenko 6-2. LJ, Bardauskiene 22-4¼; 2. Stukane 21-10¼; . . . 5. Alfeyeva 20-11¼.

SP, Krachevskaya 67-11; 2. Bufetova 63-9½; 3. N. Issayeva 63-¾. DT, Gorbacheva 211-5; 2. Berezhnaya 206-9. JT, Yunba 193-8.

TOKYO EIGHT NATIONS

Tokyo, Japan, Sept. 25—100, Ignatyenko (SU) 10.40; . . . 8. Merrick (CFY) 10.96. 200, Dunecki (Pol) 20.78; 2. Rodgers (Tob) 21.32; . . . 7. Hofmeister (WG) 21.56. 400, Vinson (UCTC) 46.05; . . . 3. Demarthon (Fr) 46.49. 800, Marajo (Fr) 1:47.6; 2. Wulbeck (WG) 1:47.9; 3. S. Clark (Mo) 1:48.4.

"Golden Mile," Ovett (GB) 3:55.5; 2. F. Gonzalez (Fr) 3:57.3; 3. Williamson (GB) 3:59.2; 4. Scott (Irv) 4:01.1; . . . 6. Wessinghage (WG) 4:02.8; 7. Jones (SMT) 4:03.1; 8. Dixon (NZ) 4:04.0; . . . dnf—Rono (Ken-Wa St) (dropped out after 2 laps with reported muscle injury).

St, Malinowski (Pol) 8:19.3; . . . 4. Karst (WG) 8:39.4; . . . 8. Johnson (CNW) 9:10.2. 5000, Fyedorov (SU) 13:31.5; . . . 5. Centrowitz (NYAC) 13:37.7. 10,000, Ortis (It) 29:14.9; . . . 8. Misner (AA) 29:58.4.

110H, Bethel (PPC) 13.89; . . . 4. Pusty (Pol) 14.04. 400H, Arkhipyenko (SU) 49.45; 2. Nagao (Japan) 49.59 NR; 3. Andrews (Tob) 50.65; 4. Schmid (WG) 51.14.

4 x 100, Poland 39.10 (Dunecki, Woronin, Licznanski, Nowosz); . . . 6. U. S. 39.89. 4 x 400, U.S. 3:04.1 (Clark, Andrews, Rodgers, Vinson); 2. West Germany 3:05.4.

HJ, Yashchenko (SU) 7-5¼; 2. Fields (unat) 7-5 =PR. PV, Trofimiyenko (SU) 18-½; 2. Buciariski (Pol) 17-8½; . . . 4. Haynie (Quest) 16-8¼. LJ, Cybulski (Pol) 26-2½; 2. Rousseau (Fr) 25-9¾; 3. Robinson (SDSGS) 25-8¼; 4. Mitchell (GB) 25-8¼. TJ, Saneyev (SU) 55-10; 2. Moore (GB) 54-11¼; 3. Livers (PPC) 54-3¾.

DT, De Vincentiis (It) 199-6; . . . 7. Voorhees (OTC) 176-4. HT, Syedikh (SU) 244-3; . . . 3. Riehm (WG) 235-8; . . . 7. Berry (UTEP) 209-1. JT, Grebnyev (SU) 286-11; 2. Wessing (WG) 280-0; 3. Bielczyk (Pol) 275-10; . . . 6. Schmidt (Knox TC) 239-11.

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All wind readings published in *TV* 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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Teams: 1. Poland 95; 2. USSR 91; 3. tie, U. S. & West Germany 89; 5. France 88; 6. Japan 79; 7. Italy 74; 8. Great Britain 70.

Women: 100, Lannaman (GB) 11.26; . . . 7. Hawkins (Tx Sn) 11.98. 200, Kondratyeva (SU) 22.81; . . . 8. Brown (TWU) 25.20. 400, Zewinska (Pol) 50.97; 2. Kulchunova (SU) 51.27; . . . 7. Dabney (Clip) 64.27.

1500, Ulmasova (SU) 4:10.8; 2. Kraus (WG) 4:11.3; . . . 5. Heald (SFVTC) 4:14.4. 100H, T. Anisimova (SU) 13.03; 2. Langer (Pol) 13.11; . . . 8. Smith (Tx Sn) 14.25. 4 x 100, USSR 43.04 (V. Anisimova, Maslakova, Kondratyeva, Storoshkova); 2. Great Britain 43.65; 3. Poland 43.95; 4. France 44.10; . . . 6. U. S. 46.51.

HJ, Simeoni (It) 6-4; 2. Holzapfel (WG) 6-3½; 3. Ritter (TWU) 6-2; 4. Kielan (Pol) 6-2. LJ, Bardauskiene (SU) 21-5; 2. Curtet (Fr) 21-4; . . . 7. Anderson (North) 19-5½. SP, Seidler (Stars) 58-6. JT, Sanderson (GB) 205-7; . . . 3. Calvert (Lake) 188-8.

Teams: 1. USSR 58; 2. Great Britain 57; 3. Poland 53; 4. West Germany 48; 5. France 45; 6. Italy 42; 7. U. S. 33; 8. Japan 23. Combined team scores: 1. USSR 149; 2. Poland 148; 3. West Germany 137; 4. France 133; 5. Great Britain 127; 6. U. S. 122; 7. Italy 116; 8. Japan 102.

SOVIET UNION

Russian Federated Republic 91-Rumania 84, Moscow, Sept. 10-400, Mushta (RF) 51.5. 1500, Maracescu (Rum) 4:13.8. 400H, Makeyeva (RF) 57.7.

SP, N. Issayeva (RF) 63-7%. JT, Zorgo (Rum) 204-9. 4 x 400, RSFSR 3:32.8.

Gomel, Sept. 10-800, Kirov 1:45.4 PR (age 20).

Brest Litovsk, Sept. 24-Women:

- DT, PETROVA 221-7 (8th performer all-time world).

FINLAND

National 20-Kilo Walk Championships, Helsinki, Aug. 5-Salonen 1:23:51 NB.

Kerava, Aug. 15-DT, Tuokko 212-1 (201-8, 212-1, f, 211-3, 208-9, f). JT, Hovinen 280-8 (251-8, 265-7, 274-4, 268-6, 280-8, 266-3) (first competitions of year for both following year's suspension for steroid use).

CISM (International Military) Championships, Mikkeli, Aug. 15-17-100, Bombardella (Lux) 10.56. 200, Bombardella 20.97. 400, Weppler (WG) 46.36. 800, Milhau (Fr) 1:49.2.

1500, Paunonen (Fin) 3:38.8. St, Lechner (WG) 8:32.8; 2. Gray (USMC) 8:35.4. 5000, Millonig (Aut) 14:09.6. 10,000, Uhlemann (WG) 28:53.1. Mar, Paajanen (Fin) 2:20:54. 20kWalk, Schwarz (WG) 1:32:12; . . . 5. Berendt (US Ar) 1:38:38.

110H, Bryggare (Fin) 13.80; 2. Shine (US Ar) 14.06. 400H, Shine 50.91; 2. Webster (USAF) 51.28; 3. Angel (US Ar) 51.39. 4 x 100, U.S. 40.34 (Whitfield, Bradley, Carter, Harris). 4 x 400, U. S. 3:08.4 (Angel 47.8, Brock 47.2, Shine 47.5, Webster 45.8); 2. West Germany 3:08.6 (Weppler 44.9).

HJ, Schneider (WG) 7-2½; 2. Barrineau (US Ar) 7-¼. PV, Houvion (Fr) 17-¾. LJ, Haynes (US Ar) 25-9¾; 2. Carter (US Ar) 25-6¾; . . . 4. Bradley (US Ar) 24-11¾. TJ, Haynes 54-½; 2. Johnson (USAF) 51-9.

SP, Toyryla (Fin) 57-9%. DT, Berlep (WG) 189-11. HT, Oikkonen (Fin) 206-11; . . . 5. Leishman (US Ar) 191-9. JT, Wessing (WG) 266-8. Dec, Muller (WG) 7663 (11.43, 23-5¼, 42-¼, 6-11, 49.69, 15.13, 119-8, 14-9¼, 206-11, 4:42.1).

Teams: 1. West Germany 171; 2. U. S. 160; 3. Finland 150.

Pieksamaki, Aug. 17-PV, Kalliomaki 17-8½.

Uusikaupunki, Aug. 17-3000, Vainio 7:50.7; 2. Paivarinta 8:02.2; 3. Crawford (AW) 8:02.5; 4. Kantanen 8:04.6. SP, Stahlberg 68-3¼.

Nokia, Aug. 17-DT, Tuokko 211-3. JT, Hovinen 263-1.

Pori, Aug. 20-5000, Maaninka 13:49.1; . . . 3. Viren 13:49.9. JT, U. Donins (SU) 275-9.

Loviisa, Aug. 21-3000, Loikkanen 7:55.1; . . . 4. Viren 8:14.1.

Lahti, Aug. 22-PV, Kalliomaki 18-½.

Orivesi, Aug. 22-1500, Majander 3:53.1; . . . 3. Viren 3:54.2. SP, Stahlberg 69-5½ (67-¾, 67-5¾, 69-5½, f, 65-5¾, f). JT, Sinersaari 286-1; 2. Hovinen 268-5.

Veteli, Aug. 21-JT, Aho 278-2.

Helsinki, Sept. 6-5000, Vainio 13:28.0; 2. Floroiu (Rum) 13:28.5. PV, Pudas 16-8¾; . . . nh-Kalliomaki. SP, Stahlberg 66-11¾; 2. W. Schmidt (EG) 65-0; 3. Halldorsson (Ice) 64-6.

DT, Schmidt 221-0 (202-8, f, f, 210-4, 221-0, 210-11); 2. Tuokko 213-0. JT, Hanisch (EG) 291-0 (291-0, 276-3, 278-4, f, 261-11, 270-9, 275-10); . . . 6. Hovinen 266-4.

Women: 200(3.0), Koch (EG) 22.76; 2. Haggman 23.68.

BULGARIA

Sofia, Aug. 13-Women: 1000, Petrova 2:33.0 NR (3rd performer, 4th performance all-time world). SP, Stoyanova 66-8½; 2. I. Petrova 66-8½.

East Germany 125-Bulgaria 84, Sofia, Aug. 19-20-SP, 2. Bergmann (EG).

Women: 400, Petrova (B) 51.82. 4 x 100, East Germany 43.52; 2. Bulgaria 43.77 NR. 4 x 400, East Germany 3:29.6; 2. Bulgaria 3:32.7. SP, 3. Stoyanova (B) 65-7½. DT, Slupianek (EG) 206-8.

POLAND

Poland-West Germany-France Juniors, Posen, Aug. 19-20-800, Stark (WG) 1:48.4. LJ(a), Jaskulka (P) 26-1½. TJ(b), Kubler (WG) 53-8½w (53-¾).

Bydgoszcz, Sept. 10-100, Woronin 10.29. St, Olizaryenko (SU) 8:25.6; 2. Wesolowski 8:26.0. 110H, Pusty 13.70. TJ, Biskupski 54-7¾; 2. Katona (Hun) 54-4¾. DT, Bugar (Cze) 212-11. HT, Dmitrenko (SU) 251-5; 2. Syedikh (SU) 249-3.

HUNGARY

Salgotaryan, Aug. 27-HJ, Jambor 7-4½ NR (age 21; 7-1½ in '77). Szeged, Sept. 7-JT, Boros 290-8 PR; 2. Nemeth 264-5.

Debrecen, Sept. 10-JT, Boros 282-5; 2. Nemeth 282-3 ('78 best).

Czechoslovakia 212-Hungary 198, Budapest, Sept. 13(a)-14(b)-400, Kolar (C) 46.37 (a). HJ(b), Jambor 7-5 NR; 2. Major 7-2¾. SP(a), Vlk 64-3¾. DT(a), Bugar (C) 213-0; 2. Szauer 205-0 JT(b), Boros 285-3; 2. Nemeth 272-1; 3. Paragi 270-8.

Women /Czechoslovakia 151-Hungary 149/-800(b), Lipcsi 2:01.6; 2. Cerchlanova (C) 2:01.6. 100H(a), Siska 13.45. SP(a), Fibingerova (C) 67-11½.

CZECHOSLOVAKIA

Jan Hanc Memorial, Prague, Aug. 12(a)-13(b)-1500(b), Clifford (Cal) 3:42.0. SP(b), Vlk 65-8¾.

Women: LJ(a), Nygrynova 22-1½ NR (21-5, 21-7½, f, f, f, 22-1½). SP(a), Fibingerova 69-2¾.

National Championships, Prague, Aug. 17-18-19-DT, Bugar 216-5 (197-1, 216-5, f, 199-7, f, 212-8); 2. Danek 201-1. Qual: Bugar 210-4.

Women: 800, Cerchlanova 2:00.1 NR. SP, Fibingerova 68-2¾.

Qual: Fibingerova 66-6¾.

European Championships, Prague, Aug. 29-Sept. 3-800, Heats (8/29): I-6. Grippo (It) 1:48.6. III-4. Savic (Yug) 1:50.0. 5000(9/2),

2. tie, Ryffel & Fyedotkin. 4 x 100, Heats(9/2): II-1. East Germany 39.05. DT, 7. Kovtun.

Women: 4 x 400, East Germany (Marquardt 51.7, Krug 51.4, Brehmer 49.9, Koch 48.2 [fastest ever]); 2. USSR (Prorochenko 50.8, Mushta 50.4, Providokhina 51.2, Kulchunova 50.1).

Nitra, Sept. 5(a)-6(b)-HT(b), Malyukov (SU) 251-7. JT(a), Yer-shov (SU) 288-4.

YUGOSLAVIA

Vecernje Novosti, Belgrade, July 18-100, 3. Wells (PPC) 10.66; 4. Collins (PPC) 10.71. 800, McLean (PPC) 1:48.8; 2. Savic 1:49.4; 3. Masterson (Oua Bapt) 1:49.5; . . . 5. Kipkurgat (Ken-NM) 1:50.2. II-1. Clifford (Cal) 1:50.0. LJ, Robinson (SDSGS) 25-6; . . . 8. Butts (Tob) 23-6.

Ferdo Skok Memorial, Celje, July 20-100, 2. Wells 10.43; 3. Riddick 10.47; 4. Collins 10.50. 800, 3. Kipkurgat 1:47.4; 4. Clifford 1:48.0. 5000, Henderson (US) 13:50.0.

LJ, Robinson 26- $\frac{1}{4}$. PV, Jesse (PPC) 17- $\frac{3}{4}$; 2. Pullard 17- $\frac{3}{4}$. SP, 2. Shmock (Tob) 63-5 $\frac{1}{2}$.

EAST GERMANY

Berlin, Aug. 9-Women: SP, Adam 68-5 $\frac{1}{4}$.

Berlin, Aug. 15-Women:

- SP, SLUPIANEK 72-4 $\frac{1}{2}$ NR (2nd performer, 3rd performance all-time world) (70-8 $\frac{1}{2}$, 69-6 $\frac{1}{4}$, 70-10, 71-7 [9th performance all-time world], 72-4 $\frac{1}{2}$, 72-4 $\frac{1}{4}$ [4th performance all-time world]-avg. 71-8 $\frac{3}{4}$); 2. Adam 70-10 (70-8 $\frac{1}{2}$, 70-10, 69-4 $\frac{3}{4}$, 69-4 $\frac{1}{4}$, 69-11, 69-4 $\frac{3}{4}$ -avg. 69-11 $\frac{1}{4}$).

USSR Juniors 121-East Germany Juniors 102, Halle, Aug. 16(a)-17(b)-400(a), Chernitskiy (SU) 46.82. HT(b), Steuk 252-4.

Women /USSR 74-East Germany 71/-SP(b), Michel 62-4.

Potsdam, Aug. 20-200, Prenzler 20.58. 10,000Walk, Wieser 40:31.2 NR.

Potsdam, Aug. 24-DT, Schmidt 222-2. HT, Steuk 254-11; 2. Gerstenberg 250-2; 3. Sachse 243-8.

- Women: DT, DROESE 224-8 (6th performer all-time world); 2. Jahl 223-2; 3. Engel 211-7.

JT, Fuchs 211-11; 2. Richter 204-9.

Potsdam, Aug. 25-110H, Munkelt 13.73. 4 x 100, National Team 39.31 (Kokot, Ray, Prenzler, Thieme). SP, Beyer 71- $\frac{3}{4}$; 2. M. Schmidt 65-10 $\frac{1}{4}$.

Women: 100, Gohr 11.30. 400, Weiss 51.72. 100H(1.8), Klier 12.83; 2. Berend 13.04; 3. Fiedler 13.17. HJ, Ackermann 6-4.

WEST GERMANY

Heidenheim, Aug. 6-Women: 400H, Hollmann 56.27; 2. Weinstein 57.88.

Stuttgart, Aug. 22-100, 6. Glance (Aub) 10.57; 7. McTear (Cer JC) 10.59. II-1. Wells (PPC) 10.49; . . . 3. Collins (PPC) 10.60. 200, 3. Bombardella (Lux) 20.77; 4. Abrahams (Pan-Tob) 21.47; 5. Collins 22.07. II-1. Haupt 21.32; . . . 6. Evans (SPSM) 21.91. 400, 5. Rodgers (Tob) 46.40; 6. Enyeart (PCC) 46.91.

1000, 8. Robinson (ICAC) 2:27.7. 3000, 3. Polleunis 7:50.9; . . . 8. Hildenbrand 8:05.1. 110H, 4. Cooper (SJ St) 13.74; 5. C. Foster (PPC) 13.76. 4 x 100, Philadelphia PC 39.27 (Wells, Riddick, Bethel, Collins); 2. U. S. 39.30 (Nehemiah, Frazier, Smith, Glance); . . . 4. Americas 40.08 (McTear, Rodgers, Abrahams, Gilkes).

HJ, 4. Kotinek (PCC) 7-1 $\frac{1}{4}$. PV, 4. Tully (UCLA) 16-8 $\frac{3}{4}$; 5. Bell (PCC) 16-5; 6. Jesse (PPC) 16-5. LJ, 2. Carter (US Ar) 25-6. HT, Riehm (249-7, 257-3, 255-9, 251-10, 256-0, f).

Women: 200, 5. Forde (LIU) 23.73. 100H, Rot (Isr) 13.24.

Dortmund, Aug. 24-Women: 400H, Hollmann 56.7.

Konstanz, Aug. 27-400, Saunders (Can-LB St) 46.60.

Brunn, Sept. 4-DT, Bugar (Cze) 214-11; 2. Schmidt (EG) 211-3. JT, Michel (EG) 278-4. HJ, Lauterbach (EG) 7-4 $\frac{1}{4}$.

Women: SP, Fibingerova (Cze) 68-5 $\frac{1}{4}$. DT, Jahl (EG) 222-0.

Trier, Sept. 8-1000, Wessinghage 2:20.3. HT, Riehm 252-7; 2. Huning 250-8.

Freising, Sept. 10-100, Crawford (Trin-PPC) 10.50; 2. Gilkes (Guy-Tob) 10.57; 3. Riddick (PPC) 10.58; 4. Bethel (PPC) 10.98. 200, Gilkes 21.11; 2. Riddick 22.43. 400, King (SDSGS) 46.41; 2. McLean (PPC) 46.80.

2000, Clement (GB) 5:02.8; 2. Dixon (NZ) 5:09.5. 4 x 100, Un-attached team 40.55 (Carter, Riddick, Gilkes, Bethel).

HJ, Fields (unat) 7-4 $\frac{1}{2}$. PV, Buciariski (Pol) 18- $\frac{1}{2}$. LJ, Robinson (SDSGS) 26-7 $\frac{3}{4}$ w; 2. Carter (US Ar) 26- $\frac{1}{4}$ w; 3. Rousseau (Fr) 25-6 $\frac{3}{4}$.

Women: 100H(-1.2), Perka (Pol) 13.26. 400H, Kacperczyk (Pol) 55.76. HJ, Meyfarth 6-1 $\frac{1}{4}$.

SP, Fibingerova (Cze) 71- $\frac{1}{2}$ (71- $\frac{1}{2}$, f, 63-11 $\frac{1}{4}$, f, 67-2 $\frac{3}{4}$, 67-1 $\frac{1}{2}$); 2. Wilms 65- $\frac{3}{4}$;

- ★ 3. SEIDLER (Stars) 62-3 $\frac{3}{4}$ AR (old AR, 60-6 $\frac{1}{4}$ Seidler '78).

Ulm, Sept. 9-10-400, Wepler 45.78. HJ, Thranhardt 7-3 $\frac{1}{2}$; 2. Schneider 7-3 $\frac{1}{2}$; 3. Mogenburg 7-3 $\frac{1}{2}$.

Women: HJ, Holzapfel 6-2 $\frac{1}{4}$.

Ingelheim, Sept. 12-100(0.76), Gilkes 10.19; 2. Jairsursap (Thai) 10.59; 3. Edwards (Sn Cal) 10.64.

- 200(1.74), GILKES 20.14 NR (10th performer all-time world); 2. Edwards 20.73.

400, King 47.72. 1000, Boit (Ken-Tob) 2:17.5; 2. Wessinghage 2:18.9; 3. McLean 2:19.4; 4. Flynn (Eire-E Tr) 2:19.7; . . . 10. Karst 2:25.6. 3000, Rono (Ken-Wa St) 7:49.3; 2. Schots (Bel) 7:50.1; 3. Cheruiyot (Ken-Wa St) 7:53.1.

HJ, Fields 7-1 $\frac{1}{4}$. LJ, Stekic (Yug) 26-4 $\frac{1}{2}$; 2. Carter 25- $\frac{1}{2}$; 3. Rousseau 24-10 $\frac{1}{4}$.

West Germany 118-Finland 94, Ludenscheid, Sept. 13(a)-14(b)-1500(a), Loikkanen (F) 3:42.1; 2. Wessinghage 3:42.5; 3. Paunonen (F) 3:42.7. St(b), Toukonen (F) 8:33.1; 2. Karst 8:36.8; . . . 4. Kantanen (F) 8:47.4. 5000(b), Vainio (F) 13:37.6; 2. Uhlemann 13:38.5; 3. Fleschen 13:51.8.

110H(b), Bryggare (F) 13.62; 2. Gebhard 13.83. 400H(a), Schmid 48.88. SP(a), Stahlberg (F) 66-3 $\frac{3}{4}$. PV(b), Kalliomaki (F) 17-8 $\frac{1}{2}$; 2. Lohre 17-8 $\frac{1}{2}$.

HT(b), Riehm 249-7 (247-8, 249-7, f, f, 247-0, f); 2. Huning 246-3. JT(a), Wessing 289-5 (f, 256-10, 268-3, 269-7, 289-5, f); 2. Sinersaari (F) 289-1 (289-1, f, f, f, f, 272-11).

Women /West Germany 98-Finland 58/-400(a), Haggman (F) 51.99. 400H(a), Hollmann 57.00; 2. Weinstein 57.74. 4 x 100(a), West Germany 44.56 (Possekel, Schenten, Schniggendiller, Rasch). 4 x 400 (b), West Germany 3:31.9 (Decker, Hollmann, Barth, Bussmann); 2. Finland 3:34.3.

HJ(a), Holzapfel 6-3 $\frac{3}{4}$; 2. Meyfarth 6-2 $\frac{1}{2}$. SP(a), Wilms 65-11 $\frac{1}{4}$.

Konz, Sept. 17-HT, Riehm 250-8; 2. Huning 239-7.

National Marathon Championships, Steinwiesen, Sept. 23-Leibold 2:17:30.

- Women: VAHLENSIECK 2:38:33 (7th performance all-time world); 2. Winter 2:50:05.

SWEDEN

Dagens Nyheter, Stockholm, July 3-10,000, 8. Rodgers (GBTC) 28:04.9.

Pitea, Aug. 1-100, Rodgers (Tob) 10.87. 200, Rodgers 21.10. 400, Wheeler (unat) 46.90. SP, Halldorsson (Ice) 66-7 $\frac{1}{4}$.

National Championships, Stockholm, Aug. 4-5-6-5000, Wallin 13:52.2; 2. Glans 14:03.5. HT, Sjöholm (S-UTE) 207.3.

Kil, Aug. 20-SP, Feuerbach (AW) 66-11¼.

Lund, Aug. 23-SP, Feuerbach 66-9¼.

Handen, Aug. 27-PV, Isaksson 17-7¾.

NORWAY

Oslo, June 20-DT, Walvik (Nor-UTE) 195-6.

Bislett Games, Oslo, June 27-Mile, 10. Paige (Vill) 4:07.2.

Meisingset, July 8-200, tie, Frazier & Glance 22.2.

Oslo, Sept. 20-

- **Mile, OVETT (GB)** 3:52.8 NR (8th performer, =12th performance all-time world; 3rd performer, performance all-time Europe) (55.0, 60.2 [1:55.2], 59.2 [2:54.4], 58.4) (2nd place 4:10).
2M, H. Rono (Ken-Wa St) 8:32.7; 2. K. Rono (Ken) 8:44.0.

BELGIUM

National Championships, Brussels, Aug. 4-5-6-200, Roelandt 20.96; 2. Brydenbach 21.10. 400, Brydenbach 45.59. 10,000, Schots 28:13.5; 2. Schoofs 28:13.5; 3. Lismont 28:14.5. PV, P. Desruelles 17-4¼ NR. LJ, R. Desruelles 24-10.

Women: 100H, Alaerts 13.67 NR. 400H, Alaerts 56.71 NR.

Brasschaat, Aug. 15-100, Collins (PPC) 10.2. 200, Collins 20.6; 2. Brydenbach 21.0. 800, Kipkurgat (Ken-NM) 1:49.3. 3000, Thys 8:00.6; . . . 3. Treacy (Eire-Prov) 8:01.2. HJ, Wszola (Pol) 7-3¾.

Van Damme Memorial, Brussels, Aug. 18-HJ, 6. Jacobs (FD) 7-¾.

- **Louvain, Sept. 21-2000, POLLEUNIS** 4:57.1 NR (4th performer, 6th performance all-time world).

SWITZERLAND

Lausanne, July 13-St, Marsay (GB); . . . 6. Ahlmeyer (Irv) 8:53.4. 5000, 7. Crawford (AW) 13:53.7; . . . 11. Wells (AW) 14:19.5.

Weltklasse, Zurich, Aug. 18-DT, 4. Gardner (Macc) 191-7.

National Championships, St. Gallen, Aug. 12(a)-13(b)-200(b), Muster 20.67. 1500(a), Deleze 3:42.3; 2. Ryffel 3:44.2. 5000(b), Ryffel 13:53.4.

Women: 100(a), Keller-Lusti 11.64 NR; 2. Wehrli 11.64 =NR. 200(b), Wehrli 23.71 NR; 2. Keller-Lusti 23.98. 400H(b), Helbling 57.51 NR. LJ(b), Keller-Lusti 20-11½.

Aarau, Aug. 18-200, D. Williams (Can) 20.68 NR. 400, Saunders (Can-LB St) 47.43. 400H, G. Williams (Can-Wy) 51.70.

West Germany B 145-Switzerland 141-Yugoslavia 134, Olten, Sept. 9(a)-10(b)-200(b), Muster 20.96. 800(b), Zivotic (Y) 1:47.8; 2. Savic (Y) 1:48.4. 5000(b), Ryffel 13:52.7; . . . 3. Hildenbrand (WG) 14:00.8. 110H(b), Schneider (WG) 13.82. 400H(a), Kopitar (Y) 50.01 NR. 4 x 400(b), Switzerland 3:05.5; 2. West Germany 3:05.7; 3. Yugoslavia 3:06.2.

LJ(b), Stekic (Y) 26-3. TJ(b), Srejovic (Y) 54-5¼.

Women /France 124-Switzerland 115-Yugoslavia 78/-100(a), Keller-Lusti 11.83. 200(b), Keller-Lusti 23.91. 1500(a), Burki 4:16.4. 400H(a), Helbling 57.60.

FRANCE

France-West Germany-Belgium-Spain Juniors, Thionville, Aug. 20-800, Michiels (B) 1:48.5.

Women: 400H, Michel (B) 57.4.

International Decathlon-Pentathlon, Talence, Sept. 23-24-Dec, Kachanov (SU) 7930 (10.94, 24-7, 45-8, 6-8¼, 49.52, 14.83, 146-1, 13-1½, 168-11, 4:21.1); 2. Muders (WG) 7917; 3. Anisimov (SU) 7856;

4. Le Roy 7787; . . . 9. Whitson (Sun City TC) 6619 (11.75, 23-4¼, 45-3, 6-2½, 52.76, 15.87, 122-9, 14-9¼, 180-4, dnf).

Pent, Smirnova (SU) 4596 (13.41, 45-¼, 5-10½, 20-9¼, 2:16.8);

2. Gordiyenko (SU) 4590 (14.00, 45-1¼, 5-10½, 20-10¼, 2:12.2); 3. Losch (WG) 4514 (6-1¼).

GREAT BRITAIN

Oxford-Cambridge v. Penn-Cornell, Oxford, June 18-Mile, Masback (O) 3:59.6. 5000, Scholtes (Co) 14:09.2. SP, Doupe (Co) 56-5¼.

Penn-Cornell v. North London, Hendon, June 21-100, Brown (P) 10.4. SP, Capes (guest) 66-¾; 2. Doupe 55-11¾.

Penn-Cornell v. Scottish Universities, Edinburgh, June 27-5000, Scholtes 14:12.7. HT, Bessette (US-guest) 192-8.

UK Women's Championships, Edinburgh, July 14-15-16-100(4.3), Lannaman 11.24.

National Under-20 Championships, Cwmbran, July 22-23-1500, Williamson 3:39.7 NJR.

Great Britain Women's Championships, London, Aug. 19-200 (-1.0), Smallwood 23.24; 2. Hartley 23.24. 3000, Benning 8:52.3 BCR; 2. Ford 8:53.8. 400H, Appleby (Eire) 57.46 NR; 2. Sutherland 58.36.

Great Britain 111-Finland 101, London, Sept. 9(a)-10(b)-100(a), -2.3), Crawford (Trin-PPC/guest) 10.59. 1500(a), Williamson 3:47.2; 2. Paunonen (F) 3:47.9; 3. Loikkanen (F) 3:48.0; 4. Cram 3:48.0.

- St(b), Toukonen (F) 8:37.4; . . . 3. Kantanen (F) 8:44.5; 4. Morris (GB-Ut) 9:11.0. 10,000(a), Rono (Ken-Wa St/guest) 27:53.8; 2. Vainio (F) 28:22.9. 400H(a), Pascoe 50.87.

PV(b), tie, Kalliomaki (F) & Taylor (CNW-guest) 18-½; 3. Hooper 17-8½; 4. Pudas (F) 17-4¼. SP(b), Capes 67-10¼; 2. Stahlberg (F) 67-2¼. DT(b), Tuokko (F) 212-1. JT(a), Sinersaari (F) 291-8.

Women /Great Britain 104-Finland 53/: 1500(a), Tynnela (F) 4:13.4; 2. Stewart 4:14.4. 4 x 100(a), Great Britain 44.34. JT(b), Sanderson 202-0.

Great Britain (38)-West Germany (28) Walks, Sheffield, Sept. 17-50k, Weidner (WG) 4:06.11.

Gateshead, Sept. 17-100(w), Wells 10.22. 200, Wells 20.80. Mile, Coe 4:02.2; 2. Rono (Ken-Wa St) 4:03.8. 200LH, Pascoe 23.47 (final race of career). PV, Hooper 17-9½ NR.

IRELAND

Dublin, July 12-100, Sanford (Sn Cal) 10.43; 2. Gilkes (Guy-Tob) 10.52; 3. Quarrie (Jam-Tob) 10.62. 200, Gilkes 20.87; 2. Sanford 21.25. 800, McLean (PPC) 1:47.8; 2. Cleary (SMTC) 1:48.7. Mile, 5. Jones (SMTC) 3:58.1.

5000, Coghlan 13:26.6 NR; . . . 4. Ahlmeyer (Irv) 13:40.1. 400H, King (SDSGS) 50.95; 2. Graybehl (Sn Cal) 51.51. SP, Capes (GB) 65-1½; 2. Shmock (Tob) 62-4¼.

Women: 800, Purcell 2:03.6; 2. Weston (North) 2:04.3.

KENYA

Commonwealth/African Games Trials, Mombasa, June 17-18-4 x 800, 2. B team 7:15.0 (9th performance all-time world); 3. C team 7:19.4.

ITALY

Rieti, Sept. 10-100, Edwards (Sn Cal) 10.54. 200, Mennea 20.21; 2. Edwards 20.83. 800, Boit (Ken-Tob) 1:46.5. 1500, Coghlan (Eire) 3:38.9; 2. Malinowski (Pol) 3:39.4.

- 5000, RONO (Ken-Wa St) 13:15.5 (13th performance all-time world; 2nd performance all-time college); 2. Floroiu (Rum) 13:16.7; 3. Vainio

(Fin) 13:34.7; 4. Ortis 13:38.5.

HJ, Kotinek (PCC) 7-1%. PV, Pullard (All-Am) 17-6%. LJ, Cybulski (Pol) 26-5.

- Women: HJ, SIMEONI 6-6 (=6th performance all-time world); 2. Brill (Can-PCC) 6-2.

Italy 125½-Romania 84½, Bari, Sept. 13(a)-14(b)-100(a,7.20),

- MENNEA 9.99. 200(b), Mennea 20.20.

Rovertò, Sept. 17-200, Mennea 20.48. PV, Tracanelli (Fr) 17-6%;

2. Pullard 16-8%.

- LJ, STEKIC (Yug) 27-3½ (=10th performance all-time world; =8th performance all-time non-altitude); 2. Rousseau (Fr) 26-10.

Italy Women 101-Belgium 55, Palermo, Sept. 17-1500, Possamai 4:07.0; 2. Dorio 4:08.0.

- HJ, SIMEONI 6-6 (=6th performance all-time world); 2. Dini 6-2½.

(World news continued on page 208)–

U.S. MEETS

USOC SPORTS FESTIVAL

Colorado Springs, Co., July 28(a)-29(b)-30(c)–

100(race I)(c, 0.0), Roberson (S) 10.13; 2. Coleman (W) 10.27; 3. Hart (W) 10.30; 4. Lattany (S) 10.32; 5. Christian (E) 10.50; 6. Johnson (MW) 10.50; 7. Calhoun (E) 10.57; 8. Kee (MW) 10.65. (Race ordered rerun due to malfunctioning recall gun.)

100(race II)(c, 1.8), Hart 10.07; 2. Lattany 10.09; 3. Coleman 10.11; 4. Roberson 10.11; 5. Christian 10.38; 6. Calhoun 10.39; 7. Johnson 10.39; 8. Kee 10.83.

200(c, 1.6), Snoddy (MW) 20.27; 2. Darden (W) 20.49; 3. F. Taylor (S) 20.50; 4. Crain (E) 20.61; 5. Grace (MW) 20.81; 6. Hall (E) 20.97; 7. Myricks (S) 20.9; 8. Beasley (W) 24.0.

400(a), Vinson (MW) 45.47; 2. Taylor 45.84; 3. Beasley 46.67; 4. Sargent (E) 46.68; 5. Hughes (MW) 46.82; 6. Brown (E) 47.19; 7. Andrews (W) 47.5; . . . dnf–McCoy (S).

800(c), Brown (W) 1:49.9; 2. White (S) 1:50.2; 3. Poehling (MW) 1:50.7; 4. Lech (E) 1:51.3; 5. Clark (MW) 1:52.4; 6. Paige (E) 1:53.1; 7. Collins (S) 1:55.4; 8. Suhr (W).

1500(c), Musgrave (MW) 3:50.0; 2. Gibson (W) 3:50.1; 3. Liquori (S) 3:53.2; 4. Anastasio (E) 3:55.8; 5. Belger (E) 3:57.0; 6. Foster (S) 3:58.6; 7. Stoneman (MW) 3:59.7; 8. Aldridge (W) 4:02.7.

Steeple(c), Jackson (MW) 9:06.3; 2. Roche (S) 9:07.1; 3. Johnson (W) 9:14.7; 4. Innes (S) 9:17.1; 5. Fisher (MW) 9:37.1; 6. Gustafson (W) 9:52.6; . . . dnf–James (S); . . . disq–Bickford (E) 9:11.2 [3].

5000(c), Castaneda (MW) 14:29.7; 2. Novelli (S) 14:43.1; 3. Slack (MW) 14:49.4; 4. Fredericks (E) 14:53.9; 5. Cuzzort (S) 15:01.7; 6. Schankel (W) 15:20.4; 7. Snyder (E) 15:34.7; 8. Cendejas (W) 16:23.4.

10,000(a), Gregorio (MW) 30:07.8; 2. Misner (S) 30:45.1; 3. Bjorklund (MW) 31:09.5; 4. Macdonald (W) 31:24.5; 5. Stemmer (E) 31:32.0; 6. Holleran (W) 31:39.0; 7. Adams (S) 31:43.0; 8. Hatfield (S) 31:51.6.

Marathon(c), Bramley 2:29:52; 2. Pate (S) 2:32:04; 3. Paulson (W) 2:33:59; 4. Wayne (W) 2:34:29; 5. Kurrle (W) 2:36:00; 6. Flanagan (MW) 2:36:48; 7. Fleming (E) 2:37:26; 8. McMullen (MW) 2:40:54; 9. Doyle (E) 2:48:03; 10. Carpenter 2:49:25; 11. McKinney 2:52:20; 12. Montano 2:56:23; 13. Mandl 3:09:21.

20,000 Walk(a), Pyke (W) 1:36:57; 2. Walker (W) 1:37:15; 3. Ewoniuk (MW) 1:37:48; 4. O'Connor (E) 1:39:07; 5. Heiring (MW) 1:41:26; 6. Kraft (MW) 1:42:10; 7. Dooley (W) 1:42:35; 8. Knifton (S) 1:45:22; 9. McGuire 1:45:40; 10. Sharp (S) 1:47:31; 11. Lough (E) 1:47:44; 12. DeWitt 1:48:24; 13. Scully (E) 1:52:42; 14. Palciola 1:53:29; . . . dnf–Sherman (S).

110H(c, 1.6), Bethel (E) 13.45; 2. Cooper (W) 13.58; 3. Taylor (S) 13.71; 4. Lavitt (MW) 13.78; 5. Hart (W) 13.81; 6. Roberts (MW) 14.01; 7. Davenport (S) 14.02; 8. Oliver (E) 14.12.

400H(c), Walker (S) 48.95; 2. Williams (W) 49.32; 3. Shine (E) 50.42; 4. Andrews (W) 51.12; 5. Douglas (S) 51.14; 6. Austin (E) 51.21; 7. Hicks (MW) 51.65; 8. Byram (MW) 52.8.

4 x 100(c), East 38.88 (Calhoun, Crain, Christian, Hall); 2. South 39.21;

3. Midwest 39.52; . . . dnf–West.

4 x 400(c), Midwest 3:03.4 (Hughes 45.9, Grace 47.1, Poehling 45.7, Vinson 44.1); 2. West 3:03.8 (Williams 45.8, Goldston 45.7, Andrews 46.0, Beasley 45.0); 3. South 3:06.7; 4. East 3:07.9.

HJ(c), Baker (S) 7-5 (JCR); 2. Fields (E) 7-5; 3. Jacobs (E) 7-2½; 4. Frazier (W) 7-2½; 5. Page (MW) 7-¾; 6. Woodard (S) 6-10¾; . . . nh–Owens (W).

PV(c), Jessee (S) 17-8½; 2. Haynie (W) 17-6¾; 3. Taylor (W) 17-6¾; 4. Olson (S) 17-6¾; 5. tie, Johnson (MW) and Stokes (MW) 16-6¾; 7. tie, St. Lawrence (E) Lipinski (E) 15-7.

LJ(a), Robinson (W) 26-7¾; 2. Calhoun (E) 26-3½w; 3. Haynes (E) 25-10; 4. Myricks 25-8¾; 5. Duvall (MW) 25-5½; 6. Cannon (MW) 25-3w; 7. King (W) 25-2½; 8. Holmes (S) 23-5½.

TJ(c), Haynes 55-4½w; 2. Calhoun 55-4¼w; 3. Jordan (S) 54-4¾; 4. Marlow (W) 53-11¾w; 5. Washington (S) 53-3¾w; 6. Parrette (MW) 51-1¾; 7. Ivory (E) 48-0.

SP(c), Walker (S) 63-7½; 2. England (MW) 63-5¾; 3. Anderson (MW) 63-2; 4. Price (S) 61-2; 5. Stover (W) 60-5½; 6. Pyka (E) 60-1¼; 7. Laut (W) 57-8½.

DT(c), Oerter (E) 197-2; Swarts (E) 194-3; 3. McGoldrick (W) 185-9; 4. Voorhees (W) 184-0; 5. Gross (MW) 176-9; 6. Kunz (MW) 174-8; 7. Cain (S) 174-5; 8. Baughman (S) 173-7.

HT(a), Berry (S) 210-3; 2. Galle (W) 200-0; 3. Bessette (E) 191-3; 4. Eklund (E) 190-1; 5. Perkins (W) 189-5; 6. Duffala (MW) 188-8; 7. Satchwell (MW) 175-4; 8. Walker 59-3.

JT(a), Roggy (MW) 288-1; 2. Sorchik (E) 264-5; 3. Perbeck (MW) 263-2; 4. Ralph (S) 262-2; 5. Ewaliko (W) 258-1; 6. Kirby (E) 253-11; 7. Schmidt (S) 250-11; 8. Atwood (W) 238-5.

Dec(b-c), Coffman (S) 8137 (10.2, 23-11, 49-¼, 6-¾, 48.4 [4253-1], 13.6, 152-7, 14-3¼, 184-5, 4:57.5); 2. George (W) 8034 (10.7, 24-10¾, 6933; 42-11¾, 6-4¾, 49.0 [4154-3], 14.4, 137-1, 14-11¼, 209-3, 4:45.1); 3. Palles (S) 7889; 4. Samara (E) 7524; 5. Baker (MW) 7239; 6. Delmoor (E) (E); . . . dnf–Adama (MW) 5438 (7 events), Jacobs (W) 5311 (7 events).

WOMEN

100(a, 3.1), Hawkins (S) 11.45; 2. Young (E) 11.55; 3. Glover (E) 11.62; 4. Bolton (W) 11.63; 5. Calmese (MW) 11.87; 6. Riggs (W) 11.91; 7. Brown (S) 11.95; 8. Wells (MW) 11.99.

200(c, 1.3), Young 23.35; 2. Cobbs (W) 23.72; 3. Dunlap (E) 23.84; 4. Brown 23.99; 5. Bolton 24.06; 6. Green (MW) 24.43; 7. Calmese 24.7; . . . disq–Jiles (S) 24.1 [6].

400(c), Kelley (S) 52.33; 2. Jackson (S) 52.67; 3. Dabney (E) 53.23; 4. Finch (MW) 53.64; 5. Cobbs 54.94; 6. Weston (W) 55.0; 7. Gerdes (MW) 55.4; 8. Waddy (E) 55.5.

800(a), Caldwell (W) 2:05.4; 2. Kelley 2:05.5; 3. Clark (E) 2:07.2; 4. Jones (E) 2:07.7; 5. Hall (MW) 2:08.2; 6. Giampalmo (S) 2:12.5; 7. Poor (MW) 2:19.2.

1500(c), Heald (W) 4:24.3; 2. Bremser (MW) 4:28.2; 3. Webb (S) 4:32.7; 4. Ennis (E) 4:41.7; 5. Twomey (MW) 4:47.4; 6. Keyes (W) 4:51.0; 7. Wells (S) 4:53.4; 8. Felix (E).

110H(c, 0.6), Smith (S) 13.52; 2. Hightower (MW) 13.66; 3. Wechsler (MW) 13.75; 4. Deutsch (E) 13.92; 5. Harris (S) 14.15; 6. Girven (E) 14.36; 7. Anderson (W) 14.56; 8. Keating (MW) 15.0.

4 x 100(c), South 44.30 (Brown, Hawkins, Smith, Jiles); 2. East 44.55; 3. Midwest 45.71; 4. West 46.00.

4 x 400(c), South 3:34.3 (Melrose, Kelley, Jiles, Jackson); 2. Midwest 3:35.2; 3. West 3:45.0; . . . disq—East 3:36.5 [3].

HJ(a), Girven 6-0; 2. Ritter (S) 6-0; 3. Burrill (MW) 6-0; 4. tie, Garrison (W) and Wallace (E) 5-10; 6. Spencer (W) 5-10; 7. Dubbs (MW) 5-8; 8. Hertz (S) 5-6.

LJ(c), Pettit (S) 20-8½w; 2. Keating 20-3¾w; 3. Johnson (MW) 20-2½; 4. Watson (W) 20-1¾w; 5. Day (S) 19-9w; 6. Johnson (E) 19-5w; 7. Jackson (E) 19-2¾w.

SP(c), Turbyne (E) 51-4½; 2. Devine (MW) 50-5½; 3. Jacobson (MW) 49-8½; 4. Dole (W) 48-8½; 5. Patrick (S) 47-½; 6. Van Pelt (W) 45-5½; 7. Klouae (E) 44-5; 8. Waddell (S) 41-3.

DT(c), Griffin (W) 167-7; 2. Connell (E) 148-9; 3. Vogelsang (148-8; 4. Gordon (S) 135-7; 5. Neiman (S) 133-3; 6. Kaylor (MW) 132-1; 7. Glover (E) 131-10; 8. Denny (MW) 131-5.

JT(c), Calvert (W) 188-6; 2. Whitfield (W) 159-9; 3. Townsend (S) 151-5; 4. Branch (S) 149-11; 5. Williams (MW) 147-11; 6. Watts (E) 141-6; 7. Carroll (E) 142-2; 8. Devine 136-11.

Pent(a-b), Pollion (S) 3895 (14.74, 31-2, 5-6½, 19-9, 2:24.2); 2. Hertz (S) 3814; 3. Brownell (E) 3753; 4. MoHoy (MW) 3653; 5. Harrington (MW) 3593; 6. Kinney (W) 3585; 7. Zwart (W) 3522; 8. Knighton (E) 3012.

OIC RELAY CARNIVAL

Boston, July 29—400, Sowerby (DCI-Ant) 47.09. 800, McLean (PPC) 1:49.3; 2. Terer (FD-Ken) 1:50.6. Mile, Dyce (FAA-Jam) 4:11.7. 5000, Maree (Vill-S Afr) 13:50.2; 2. Salazar (Or) 14:00.4; 3. Maguire (PPC) 14:20.0.

● 4 x 100, Philadelphia Pioneers 39.82 (Wells, Frazier, Collins, Riddick); 2. DC International 40.21; 3. UCTC 40.52; 4. Jamaica 40.63.

4 x 200, PHILADELPHIA PIONEERS 1:21.6 (Wells, Frazier, Collins, Riddick); 2. DC International 1:21.7 (Lancaster, Jacobs, Wiley, Peoples); 3. Jamaica 1:23.9; 4. New Jersey Flyers 1:24.2; 5. UCTC 1:24.3.

4 x 400, DC International 3:05.4 (Wiley 46.3, Archie 47.3, Ray 45.8, Peoples 46.0); 2. Jamaica 3:06.4; 3. Philadelphia Pioneers 3:06.8; 4. New York Pioneers 3:07.9; 5. Antigua 3:11.0. 4 x 800, DC International 7:32.0.

Women: 400, Griffith (Adel-Guy) 51.62; 2. Simpson (TWU-Jam) 54.49. Mile, Lettis (LAC) 4:46.9; 2. Benoit (NC St) 4:50.7; 3. Lyons (BAA) 4:51.0; . . . 6. Mills (Penn St) 5:00.8.

4 x 100, Edward Waters TC 46.57. 4 x 200, Jamaica 1:34.9 (Murray, Blake, Scott, Drummond); 2. DC International 1:36.4; 3. PAL 1:37.9; 4. Ed Waters 1:39.1; 5. Flashettes 1:39.3; 6. Cooper Striders 1:39.3.

4 x 400, Jamaica 3:38.3; 2. Klub Keystone 3:42.0; 3. Cooper Striders 3:42.4; 4. Motor City Striders 3:43.0; 5. Flashettes 3:45.6. 4 x 800, Motor City TC 8:58.6; 2. Falmouth TC 8:59.8; 3. Klub Keystone 9:02.3; 4. Ed Waters 9:02.7; 5. Flashettes 9:07.0.

OTHER HIGHLIGHTS

EICAA, Brunswick, Me., May 6—HT, Healey (Fitch) 205-10; 2. Haskell (Lowell) 190-0; 3. Linscheid (Low-Eire) 187-6; 4. Campbell (Low-Eire) 185-0; 5. Olson (C Cn) 183-3.

SPAAAU Junior Women's Pentathlon, Claremont, May 6—Zwart (Ca HS) 3573.

Women's AC, Westwood, May 6—SP, Dole (LB St) 48-1. DT, Vogelsang (Macc) 158-0; 2. Marshall (North) 150-6.

Metro Conference, Tallahassee, May 13—100, Roberson 10.35. 200, McCoy 21.18. 400, McCoy 45.56. 400H, Citron 50.86.

SPAAAU Women's Pentathlon, Westwood, May 6—Walker (UCLA) 4013 (14.7, 36-2, 5-5½, 19-1½, 2:19.0); 2. Russell (UCSB) 3649; 3. Stary (Pom-Pit) 3617; 4. Boehner (CP/Pom) 3508.

SPAAAU Women, Westwood, May 14—10,000, Bridges (Ok St) 35:16.2; 2. Olrich (unat) 36:02.6; 3. C. Peterson (LAN) 36:24.8. 100H, Heats: 1(-0.6)-1. Anderson 14.05; 2. McMillin 14.09.

AIAW, Knoxville, May 25-27—5000, 7. Bankes 16:12.4; 8. Webb 16:18.8; 9. Quatier 16:40.0; 10. Ford 17:00.4; 11. Tolford (Or) 17:03.6; 12. Adams (Wa) 17:06.0; 13. Bridges (Ok) 17:06.1; 14. Schilly (Ia St) 17:14.0. LJ, 10. Pettit (PV) 18-10½; 11. Mills (LA St) 18-2½; 12. Moran (North) 17-8½. SP, 10. Marshall (North) 45-10½; 11. Mecklenburg (S Pac) 45-4½; 12. LaPine (C Mi) 44-4½.

Women's AC, Walnut, June 4—DT, Vogelsang (Macc) 161-11. SP, Dole (LB St) 49-10½. 100H, Gourdine (UCLA) 14.13. SpMed, Premier 1:43.6; 2. Cheetahs 1:43.7.

Distelfink Open, Reading, Pa., June 10—HT, Shields (Shore AC) 190-1. JT, Sing (Pacers) 249-4; 2. Kouvolo (unat) 241-2.

AC, Seattle, June 20—HJ, Spencer (S Pac) 5-11½; 2. Garrison (Wa) 5-8.

Cheetah Relays, Seattle, June 24—HJ, Crosgrave (Wa HS) 5-11. AC, Seattle, June 27—HJ, Spencer 5-10.

AAU Masters Championships, Atlanta, July 9—DT, Oerter (NYAC) 194-3.

Border AAU Junior Olympics, Las Cruces, N.M., July 15—PV, Jessee (PPC) 17-10.

AAU Relay Championships, Toms River, N.J., July 16—4 x 100, New York Pioneers 40.5. 4 x 200, Le Mans TC 1:24.6. 4 x 400, NY Pioneers 3:12.3 (Sands 46.6). 4 x 800, NYAC 7:45.1. 4 x 1500, NYAC 16:20.0. SpMed, East Coast 3:30.9. DMed, NYAC 10:06.1. 440HHR, Shore AC 59.4. DT, Oerter 198-4; 2. Swarts (Shore) 186-2.

Three Rivers Festival Marathon, Ft. Wayne, July 16—Women: PETERSON (LAN) 2:41:48 (7th performer, 10th performance all-time world; 4th performer, performance all-time U.S.).

AC, Collegeville, Pa., July 18—120H, Bethel (Essex CC) 13.8; 2. Wilson (Pa HS) 13.9.

AC, Seattle, July 19—DT, Hansen (S Pac) 157-7.

Empire State Games Trials, Jamaica, N.Y., July 23—100(w), Crain (LeMans) 10.2. 200(w), Crain 20.7; 2. Gambrell (LeMans) 20.8. 400H, Hurts (Man) 51.7; 2. Hanlon (unat) 52.5. JT, Hall (Bruce) 273-1.

Australia-Moscow TC Indoor, Moscow, Id., July 26 /300m unbanked synthetic/-70m, Narracott (Aus) 7.5=WB (Carlos ran 7.3 as pro). 300, Mitchell (Aus) 33.2; 2. Narracott 34.1.

Women: 70m, Robertson (Aus) 8.1; 2. Boyle (Aus) 8.2. 600, Rendina (Aus) 1:30.1. 1000, Rendina 2:51.7.

Summit City Invitational, Ft. Wayne, In., July 29—HJ, Dorsey (TH TC) 6-10.

Hour Run, Santa Barbara, July 29—Carlson 11M, 1679; 2. Ocana 11M, 1506.

AC, Jamaica, N.Y., Aug. 2—DT, Oerter (NYAC) 204-8.

Center Daily Times Invitational, State College, Pa., Aug. 5—Mile, Maree (Vill-S Afr) 3:59.2; 2. Fredericks (RAA) 3:59.7 PR; . . . 6. Buerkle (NYAC) 4:26.9. DT, Oerter 205-5.

AC, Pembroke, Ma., Aug. 6—HT, Bessette (NYAC) 192-10.

Indianapolis-Scarborough, Indianapolis, Aug. 13—HJ, Dorsey 5-11.

Southern California-Japan Juniors, Walnut, Aug. 17—100(0.0), Johnson (Ca HS) 10.50; 2. Sanford (Ca HS) 10.51.

Women: 1500, Denz (Ca HS) 4:24.2. LJ, Loud (Ca HS) 19-8½. JT, Hosokawa (J) 156-11; 2. Nelson (Ca HS) 156-11 (47.82, 47.80). Pent, Ray (Ca HS) 3855.

1978 U.S. WOMEN'S LIST

compiled by Jim Rorick

This compilation represents the "final" U.S. women's list for the 1978 season. The marathon is not included, as the upcoming New York race will undoubtedly make a shambles of the yearly list.

The listings contain the top performers and performances made since Jan. 1, 1978, indoors and out. The end of the performances section is denoted by an underscore. In field events, every mark made within a series is considered for the performances section. Secondary marks within a series are denoted by ! after the athlete's name.

Conversion factors, where used, are listed at the head of the affected

100 METERS

- 11.14 *** Leleith Hodges' (TWU)
*Brenda Morehead (TnSt)
11.16 *Evelyn Ashford (UCLA)
11.18 Hodges
11.22 Ashford
11.25 Morehead
11.26 Morehead
Morehead
Ashford
11.30 Ashford
11.32 **Andrea Lynch' (LB St)
11.47 *Sheila Calmese (Ks)
11.56 **Stephanie Hightower(OHSt)
11.57 Valerie Brisco (Ca HS)
11.58 **Jodi Anderson (North St)
***Ch. Cheeseborough (TnSt)
*Gail Douglas (Sn Cal)
11.59 **Brenda Fuller (Tn St)
11.62 **Debbie Jones' (Tn St)
11.63 Michelle Glover (NJ HS)
11.64 Alice Brown (Ca HS)
11.65 ***Debbie Adams (Or)
11.67 ***Rhonda Brady (Az St)
11.68 ***Kathey Crawford (Az St)
11.69 ***Brenda Calhoun (Az St)
Deandra Carney (In HS)
11.70 ***Karen Hawkins (Tx Sn)
Hand timing:
11.3—Anderson; 11.4—Brady,
Calhoun, **Sandra Howard (North
St), Eileen Parker (Ca HS).
Wind-aided auto-timing:
11.45—A Hawkins; 11.55—A** Liz
Young (UDC); 11.60—Pam Jiles
(NOS); 11.62—AGlover; 11.63—
AKelia Bolton (Ca HS).
Wind-aided hand-timing
11.2—Calmese; 11.4—***Wanda
Hooker (Mem St).

200 METERS

- *=220 auto time minus 0.12
22.60 *Brenda Morehead (TNSt)
22.66 *Evelyn Ashford (UCLA)
22.69 Ashford
22.71 Ashford
22.80 Ashford
22.88 Morehead
22.89 Ashford
22.91 Ashford
23.00 Ashford
23.24 Rosalyn Bryant (LA St)
23.26 **Andrea Lynch' (LB St)
23.30 *Lorna Forde' (LIU)
23.35A **Liz Young (UDC)
23.40 ***Ch. Cheeseborough (TnSt)
23.52 **Stephanie Brown (TWU)
23.58 *Sheila Calmese (Ks)
23.71 Pam Jiles (NOS)
Freida Nichols' (DCI)
23.72A Freida Cobbs (Ca HS)
Sharon Dabney (Clip)
23.73 **Gwen Smith (Tx Sn)

- 23.74 **Patricia Jackson (P View)
23.75 Kelia Bolton (Ca HS)
23.77 Valerie Brisco (Ca HS)
***Cheryl Gilliam (Mi St)
23.78 ***Brenda Calhoun (Az St)
23.82 **Karen Hawkins (Tx Sn)
Pam Marshall (Ca HS)
23.84A Patty Dunlap (NJ HS)
23.85 Yolanda Rich (LA St)
23.87* Michelle Glover (NJ HS)
23.98 *Marie Nickson (Hay St)
Hand-timing:
22.8—Bryant; 23.2—Nichols'; 23.4
—**Debbie Jones' (Tn St), Nickson;
23.7—**Brenda Fuller (Tn St).
Wind-aided auto-timing:
23.02—***June Griffith' (Adel);
23.15—Lynch'; 23.69—**Maureen
Gottshalk' (Essex); 23.86—
A***Melanie Batiste (Or).
Wind-aided hand-timing:
†=220 hand time minus 0.1
23.3—Calmese; 23.4—***Wanda
Hooker (Mem St), Jackson; 23.5†
—Judy Reed (Ca HS).

400 METERS

- *=440 auto time minus 0.26
+=440 hand time plus 0.14
†=440 hand time minus 0.16
50.93 Rosalyn Bryant (LA St)
51.04 *Lorna Forde' (LIU)
51.11 **Patricia Jackson (P View)
51.31 Sharon Dabney (Clip)
51.34+ Jackson
51.40 ***June Griffith' (Adel)
51.50 Griffith'
51.53 Bryant
51.62 Griffith'
51.99 Jackson
52.33A **Essie Kelley (P View)
52.41* Jennie Gorham (Mo HS)
52.56 ***Helen Blake' (Tn St)
52.73 ***Kim Thomas (St John's)
53.12 Freida Cobbs (Ca HS)
53.42 Arlise Emerson (Ca HS)
*Brenda Finch (Jack St)
53.43 Yolanda Rich (LA St)
***Ruth Simpson' (TWU)
53.47 Gwen Gardner (Ca HS)
53.54+ Robbin Coleman (Tx HS)
53.56 Marian Franklin (Ca HS)
53.68 Mary Harvey (SF Aus)
53.70 Valerie Brisco (Ca HS)
53.77 Deb. Byfield-White' (BEB)
53.94+ Veronica Williams (TxSn)
53.98† Lisa Walton (Mi HS)
54.06 Kim Taylor (NY HS)
54.07 **Kathy Weston (NorthSt)
54.14+ Merry Johnson (Tx HS)
54.20 Pam Jiles (NOS)

800 METERS

- †=880 time minus 0.8
2:01.0 **Essie Kelley (P View)
2:01.8 **Mary Decker (Co)

event. Wind-aided and hand-timed performances are listed only if superior to the legal best.

Symbols: A=mark made at altitude over 1000m (only in affected events: 100, 200, 400, 100H, 400H, 4 x 100, 4 x 400, LJ—these receive significant aid from the lowered air resistance); i=indoor; †after athlete's name=not eligible for U.S. teams because of foreign citizenship; collegiate classes—*=junior; **=soph; ***=frosh, all other collegians are seniors.

We are eager to receive any and all amendments to these lists. Please submit to Box 296, Los Altos, CA 94022.

- 2:02.0 **Ruth Caldwell (Cit JC)
2:02.9i Decker
Tecla Chemabwai' (Macc)
2:03.0 Kelley
**Kathy Weston (North St)
2:03.1 Decker
2:03.6 Weston
Weston
2:03.7 **Lee Ballenger (Co)
Francie Larrieu (PCC)
2:04.3 *Jan Merrill (Ct C)
2:04.6 Marcia Romesser (NorthSt)
2:04.7 Kathy Hall (UCTC)
Karel Jones (Atoms)
*Sue Vigil (NM)
2:05.0 Deanna Coleman (WaHS)
Debbie Heald (SFVTC)
†i**Debbie Vetter (Ia St)
2:05.3 Darlene Beckford (MaHS)
Joetta Clark (NJ HS)
Ann Regan (Ca HS)
Teri Wierson (Or HS)
Robin Blaine (Atoms)
Cyndy Poor (AIA)

1500 METERS

- 4:05.4 *Jan Merrill (Ct C)
4:08.9 **Mary Decker (Co)
4:09.4 Merrill
4:09.7 Merrill
4:10.9 Debbie Heald (SFVTC)
4:11.1 Cindy Bremser (WiTC)
4:13.4i Decker
4:13.5 *Debbie Pearson' (UTEP)
4:14.0i Francie Larrieu (PCC)
4:14.4 Heald
4:16.0 *Brenda Webb (Tn)
4:16.1 **Debbie Vetter (Ia St)
4:18.0 **Ruth Caldwell (Cit JC)
4:18.4 *Kate Keyes (UCLA)
4:18.9i Lynn Jennings (Ma HS)
4:20.0 **Doreen Ennis (Monte St)
4:20.8 Cathy Twomey (Mn)
***Diane Vetter (Ia St)
4:20.9 Cheri Williams (Ca HS)
4:21.1** Margaret Groos (Va)
4:22.0** Julie Shea (NC St)
Tania Wells (Tn HS)
4:22.7 Stacy Crystal (Co HS)
4:22.8 Ellison Goodall (Duke)
Charlotte Lettis (LibAC)
4:23.5** Suzie Houston (Wi)
4:23.7 *Kathy Mills (Penn St)
4:24.0 Kathy Jackson (Quest)

MILE

- 4:31.0 Francie Larrieu (PCC)
Debbie Heald (SFVTC)
Larrieu
4:35.4i
4:37.0i *Jan Merrill (Ct C)
Larrieu
4:37.6i Merrill
Cindy Bremser (Wi TC)
4:38.3 *Kate Keyes (UCLA)
4:39.0i Lynn Jennings (Ma HS)
4:39.6i Larrieu

- i Heald
4:40.0 **Mary Decker (Co)
4:41.9 *Brenda Webb (Tn)
4:42.5 Deanna Coleman (WaHS)
4:42.6i** Julie Shea (NC St)
4:43.5 Ann Henderson (Oh HS)
4:44.1i Julie Brown (North St)
4:44.4i Charlotte Lettis (Lib AC)
4:45.0 Cheri Williams (Ca HS)
4:45.4i Darlene Beckford (MaHS)
4:46.6i Judy Graham (WVTC)
4:47.0i** Joan Benoit (NC St)
4:47.1i Ellison Goodall (Duke)
4:47.4i Tara Arnold (La HS)
i Patty Murnane (Ma HS)
4:48.3 **Kathy Mills (Penn St)
4:49.6i** Margaret Groos (Va)
Tomlinson (Oh HS)
4:49.7 Suzie Meek (Ca HS)

3000 METERS

- 8:42.6 *Jan Merrill (Ct C)
8:44.0 Merrill
8:56.4 Merrill
8:57.6i Merrill
9:03.3 **Kathy Mills (Penn St)
9:04.8 Cindy Bremser (Wi TC)
9:08.1 Mills
9:11.8 Bremser
9:12.6 Sue Kinsey (North St)
9:16.1 *Brenda Webb (Tn)
9:19.0 Kris Bankes (Penn St)
9:19.3 Ellison Goodall (Duke)
9:23.1 *Debbie Pearson' (UTEP)
9:27.0** Sue Schaefer (En Ky)
9:27.6i** Joan Benoit (NC St)
9:29.3** Julie Shea (NC St)
Jennifer White (WRC)
9:30.9 Betty Jo Springs (FI HS)
9:31.2 **Debbie Quatier (Sea Pac)
9:31.6 Aileen O'Connor (Md HS)
9:31.8** Valerie Ford (NC St)
9:32.4 *Kate Keyes (UCLA)
9:35.1 **Ann Wotherspoon (WVCC)
9:35.4 Dia Elliman (Hamp)
9:37.7 Karen MacHarg (BTC)
9:38.2 Carrie Craven (Oh HS)
9:38.7 *Julia Campbell (Tx)

TWO MILES

- 9:49.6 *Jan Merrill (Ct C)
9:55.6 **Kathy Mills (Penn St)
9:55.8i *Brenda Webb (Tn)
9:56.2** Julie Shea (NC St)
10:01.2 Ellison Goodall (Duke)
10:01.9i Mills
10:03.5i Sue Kinsey (North St)
10:04.3i** Joan Benoit (NC St)
10:09.8 Cheri Williams (Ca HS)
10:10.5i Lynn Jennings (Ma HS)
10:12.5 Martha White (Pa HS)
10:17.3 Aileen O'Connor (Md HS)
10:17.4i Julie Brown (North St)
10:17.5 Mary Shea (NC HS)
10:20.0i** Dana Slater (Co)
10:22.0i *Karen Bridges (Ok St)

10:23.5 Suzie Meek (Ca HS)
 10:25.0i Carol Cook (ISTC)
 Betty Jo Springs (FI HS)

5000 METERS

15:35.5**Kathy Mills (Penn St)
 15:59.9 Julie Brown (North St)
 16:00.4 Sue Kinsey (North St)
 16:01.4 Mills
 16:02.2 Ellison Goodall (Duke)
 16:05.9**Sue Schaefer (En Ky)
 16:10.3**Julie Shea (NC St)
 16:10.5 Shea
 16:12.4 Kris Bankes (Penn St)
 16:13.1 Shea
 16:15.0 *Brenda Webb (Tn)
 16:16.2**Debbie Quatier (SeaPac)
 16:22.5**Joan Benoit (NC St)
 16:26.8 Carol Cook (ISTC)
 16:36.2 Doris Heritage (Falc TC)
 16:37.6**Katy Schilly (Ia St)
 16:38.1 *Karen Bridges (Ok St)
 16:39.6**Kathy Adams (Wa)

10,000 METERS

33:40.2 Ellison Goodall (Duke)
 33:42.7 Sue Kinsey (North St)
 34:17.3 *Karen Bridges (Ok St)
 34:20.5 Julie Brown (North St)
 34:42.7 Carol Cook (ISTC)
 34:52.3 Kinsey
 34:54.8 Roxanne Bier (Ca HS)
 35:08.1**Kathy Adams (Wa)
 35:10.0**Heather Tolford (Or)
 35:11.2 Ann Trason (Ca HS)
 35:12.0**Debbie Ritchie (Or)
 35:22.2 Phyllis Olrich (unat)
 35:37.8 Cindy Dalrymple (HonTC)
 36:07.4 Celia Peterson (LAN)
 36:28.8 Betty Jo Springs (FI HS)
 36:59.8 Jane Robinson (CNW)

100 METER HURDLES

13.13 Deby LaPlante (DCI)
 13.14 *Patvan Wolvelaere (SnCa)
 13.19 LaPlante
 van Wolvelaere
 13.21 van Wolvelaere
 13.22 van Wolvelaere
 13.25 Jane Frederick (LAN)
 13.29 van Wolvelaere
 13.30 LaPlante
 13.34 van Wolvelaere
 13.49 **Mod. Oshikoya' (UCLA)
 13.50 **Steph. Hightower (OhSt)
 **Mary Smith (Tx Sn)
 13.59 **Brenda Calhoun (Az St)
 13.64 **Gayle Harris (Wn Ky)
 13.68 ***Rhonda Brady (Az St)
 13.69 *Mitzi McMillin (Sn Cal)
 13.75A***Karen Wechsler (In)
 13.82 ***Jo Anne McLeod' (Tn)
 13.86 ***Linda Weekly (Tx Sn)
 13.88 Candy Young (Pa HS)
 13.92A**Debbie Deutsch (Rutg)
 ***Delores LeRender (UNLV)
 13.93 **Jodi Anderson (North St)
 13.94 **Cecilia Branch (UNLV)
 13.96 **Kim Hachette (Mi St)
 14.00 Benita Fitzgerald (Va HS)
 14.03 LaVonne Neal (US Ar)
 14.07 Nanci Arnold (Tx TC)
 14.09 ***Th. Zambrycki' (BYU)
 14.12 Deanne Johnson (ODW)
 14.13 ***Lisa Gouridine (UCLA)
 14.15 **Debra Carson (Az St)

Hand-timing:

13.3—Brady, Calhoun; 13.6—Kay Garnett (Wa HS); 13.7—**Lena Gibbs (TWU); 13.8—**Stella Edwinson (CSM), Michelle Hawthorne (Ca HS); 13.9—Marilyn King (Mill Lions), *Pat Shmock (SD St).

Wind-aided auto-timing:

13.53—Gibbs; 13.74—Anderson; 13.90—Arnold; 13.91—Linda Holmes (TWU); 14.12—***Tammi Etienne (Tx).

Wind-aided hand-timing:
 13.0—Smith; 13.5—Weekly; 13.8
 —*Donna Beard (Jack St), **Debra Melrose (P View)

400 METER HURDLES

+hand time plus 0.14
 57.85 *Debbie Esser (Ia St)
 Esser
 58.07 Esser
 58.60 **Ellie Mahal' (Ia St)
 58.62 **Denise Waddy (Az St)
 June Smith' (DCI)
 58.70 Collette Winlock (HaySt)
 58.80 Esser
 Esser
 58.81 Sandra Souza (TWU)
 58.94+ **Carolyn Brinkley (UDC)
 59.17 **Debra Melrose (P View)
 59.36 Stephanie Vega' (Atoms)
 59.94+ Sandra Farmer (NY HS)
 60.20 Teri Wierson (Or HS)
 60.24+ Betty Spencer (Alc)
 60.34+ **Debbie Vetter (Ia St)
 60.44+***Linda Weekly (Tx Sn)
 60.46 Edna Brown (Pa HS)

4 X 100

*=440 auto time minus 0.23
 †=440 hand time minus 0.06
 +=400 hand time plus 0.14
 43.97 National Team
 44.04+ Tennessee State
 44.21† Tennessee State
 44.30A USOC South
 44.38* Texas Woman's
 44.55A USOC East
 44.72 National Junior Team
 44.74+ Texas Southern
 44.81* Tennessee State
 44.91 National Junior Team
 45.34+ Prairie View
 45.36* LA Naturite
 45.37 Arizona State
 45.44+ Jackson State
 Los Angeles State
 45.45* Colorado Flyers
 45.71A USOC Midwest
 45.72 Northridge State
 45.75 LA Mercurettes
 45.78 Southern California
 45.91 DC International
 45.92 Berkeley EBTC
 45.94+ Adelphi
 Grambling
 * New York PAL
 46.00A USOC West

4 X 200

†=4 x 220 minus 0.4
 1:35.7† Texas Woman's
 1:36.4 DC International
 1:36.5† Texas Southern
 1:36.7† Texas Woman's
 1:37.6 Alcorn State
 1:37.9 New York PAL
 1:38.1† Tennessee State
 1:38.7 DC International
 1:39.1 Waters TC
 1:39.3 Ball HS, Galveston
 Flashette TC
 Cooper Striders
 North HS, Springfield, O
 1:39.9† Marshall HS, Okla City
 1:40.0 Washington HS, Houst

4 x 400

†=4 x 440 minus 1.2
 3:28.2 National Team
 3:33.7† Prairie View
 3:34.2† Atoms
 3:34.3A USOC South
 3:34.9 Prairie View
 3:35.2A USOC Midwest
 3:35.3† Colorado Flyers
 3:36.1 Atoms
 † Prairie View
 3:36.4 National Junior Team

3:37.0† New York PAL
 3:38.4 DC International
 3:38.5 Los Angeles State
 3:39.1 Northridge State
 3:39.4 Flashette TC
 3:39.6 Iowa State
 3:40.0 Morgan State
 3:40.4 Adelphi
 3:40.5 UCLA
 3:40.8 South Jersey TC
 3:41.1 Nebraska
 3:41.2 Penn State
 3:41.5† Grambling
 3:41.6 Seattle Pacific
 3:41.9† Texas Southern
 3:42.0 Klub Keystone
 Cooper Striders
 3:42.4 Texas Woman's
 3:42.5† Jackson State
 3:42.7 Arizona State
 † LA Naturite
 3:43.0 Motor City TC
 Oregon
 † Premier TC
 Peninsula Spikes
 3:44.3† Lakewood International
 3:45.0A USOC West

4 X 800

†= 4 x 880 minus 3.2
 8:33.5 Northridge State
 8:35.4 Iowa State
 8:38.6† San Jose Cindergals
 8:39.0† Liberty AC
 8:41.1 Penn State
 8:42.6† LA Naturite
 8:43.1 Atoms
 8:46.2 Los Angeles State
 8:46.8 Wisconsin
 8:49.9 Tennessee
 8:51.2 Florida State
 8:52.3† UCLA
 8:53.0† Colorado Gold
 8:54.5 Nebraska
 8:55.2 Virginia
 8:55.5 New Mexico
 8:55.7 Klub Keystone
 Texas Woman's
 Maryland
 8:56.5 Motor City TC
 8:59.8 Falmouth TC
 9:01.1† Texas
 9:01.8 Minnesota
 9:02.7 Waters TC
 9:03.1 Northern Colorado
 Rutgers
 9:03.3 Illinois
 9:07.3 Houston
 9:08.4† DC International
 9:08.8 Western Illinois
 9:09.0 Flashette TC
 9:09.2 Patriots USA

SPRINT MEDLEY

†=yard race minus 0.5
 1:37.2† Tennessee State
 1:37.3 Los Angeles State
 1:37.5† Tennessee State
 1:37.8 Prairie View
 1:38.7† Prairie View
 1:38.8 Tennessee State
 1:38.9 Prairie View
 1:39.2† Texas Southern
 1:39.6 Prairie View
 1:39.7 UCLA
 1:40.3 LA Mercurettes
 1:40.5† Texas Woman's
 1:40.6† Morgan State
 1:40.7 New York PAL
 1:40.8 Hayward State
 1:41.1 Arizona State
 1:41.4† Colorado Flyers
 1:41.5 Berkeley EBTC
 1:41.7† LA Naturite
 1:41.9† DC International
 1:42.1† Long Beach State
 1:42.2 Atoms
 1:42.3† Northridge State

1:42.6 University DC
 Texas
 1:42.9† Kansas
 † Premier TC
 1:43.0 Grambling
 1:43.2† SC Cheatahs
 1:44.0 Kansas State
 1:44.2 Jackson State
 † Nebraska
 1:44.3 North Texas State
 1:44.5† Club Olympia
 Western Kentucky
 1:44.8 Michigan State
 Wisconsin
 1:45.0 Central Jersey TC

HIGH JUMP

s=straddle; ?=unknown? all others floppers
 6-4i *Joni Huntley (LB St)
 Huntley
 6-3i Huntley!
 Huntley
 † Louise Ritter (TWU)
 6-2i Huntley!
 Huntley!
 Ritter!
 Huntley
 Ritter
 6-1¾ **Paula Girvan (Md)
 6-1¼ *Pam Spencer (S Pac)
 6-½ **Maggie Garrison (Wa)
 Colleen Rienstra (NvHS)
 6-0 *Brigitte Bittner' (Tn)
 Sharon Burrill (Co HS)
 Marilyn Dubbs (KSTC)
 ***Sherri Felton (Wa)
 Jane Frederick (LAN)
 5-11? Jufie Crosgrove (Wa HS)
 Connie Dorsey (THTC)
 Margaret Metcalf (NMHS)
 ? Dale Wallace (Va HS)
 ? Carina Westover (WaHS)
 5-10½i Anne Gilliland (NMHS)
 5-10¼ See McNeal (Ca HS)
 ? Kim Redican (Ca HS)
 5-10 Tanya Alston (Ca HS)
 ? ***Jalene Chase (Md)
 ? Roberta Harper (Tx HS)
 ? Yvonne Heinrich (PaHS)
 ***Jo Anne McLeod' (Tn)
 ? Jan Martin (Or HS)
 ? Sally McCarthy (WaHS)
 ? Judy Pollion (Tn HS)
 **Chris Remmling (UCLA)
 *Theresa Smith (S Pac)
 ? **Nancy Steiner (KaarSt)
 ? ***Bev Washington (Il)

LONG JUMP

22-7½ **Jodi Anderson (North)
 22-¾ **Kathy McMillan (Tn St)
 Anderson
 21-9½ Anderson!
 21-7½ Anderson!
 21-6½ McMillan
 21-6½ **Mod. Oshikoya' (UCLA)
 Jane Frederick (LAN)
 Anderson
 21-4½***June Griffith' (Adel)
 21-4½ McMillan!
 21-¾A **Shonell Ferguson' (Fl)
 21-0 *Sherron Walker (LB St)
 20-7 **Debra Carson (Az St)
 20-5 Martha Watson (Lake)
 20-4½ Gwen Loud (Ca HS)
 20-4½ Roxanne Keating (AzHS)
 Lorraine Ray (Fl)
 20-4½ Sandra Myers (Ks HS)
 *Sheila Pettit (P View)
 20-3¾ Cookie Fairley (Ms HS)
 20-3½ Amy Davis (Hous TC)
 *Joni Huntley (LB St)
 20-2¼A Celeste Johnson (Ia St)
 20-1¾ Sandy Crabtree (Az HS)
 20-½ Carol Lewis (NJ HS)
 A***Th. Zambrycki' (BYU)
 19-10¼ Marilyn King (M Lions)
 19-10 Sabrina Douglas (FI HS)
 19-9½ Judy Pollion (Tn HS)

Anna Van (Az HS) 196-3
 19-8½ Mitzi McMillin (Sn Cal) 196-1
 19-8½ **Gayle Harris (Wn Ky) 195-8
 19-8 Kathy Haynes (Ca HS) 186-8
 19-7½ *Linda Cornelius (Tx A&M) 181-5
 19-7 Carrie McLaoughlin (Ca HS) 179-7
 Deborah McNeil (NC HS) 169-10
 Pam Styles (NC HS)
 19-6½ **Sherry Humphrey (OhSt)
 19-6 Debbie Gibson (Ms HS)
 ***Lisa Gourdine (UCLA)
 ***Hazel Williams (TWU)

Wind-aided:
 21-7—Frederick; 20-8½—APettit;
 20-6½—Cornelia Jackson (Fl HS);
 20-5½—Lewis; 20-3½—Johnson;
 20-2½—Douglas; 19-10½—Cornelius;
 19-8½—Patricia Johnson (Il HS);
 19-7—Sharon Billie (Fl HS).

SHOT
 62-3¼ Maren Seidler (Stars)
 61-2¼i Seidler
 61-0i Seidler
 60-6½ Seidler
 60-6½i Seidler !
 60-6 Seidler !
 60-3 Seidler !
 60-2 Seidler
 60-1½ Seidler !
 59-9¾ Seidler
 53-7¾ *Kathy Devine (Emp St)
 53-1 Jane Frederick (LAN)
 52-4¼ **Ann Turbyne (Me)
 51-9¾ ***Jennifer Smit' (UTEP)
 51-6½ **Emily Dole (LB St)
 51-3½ *Marcia Mecklenburg(SP)
 51-1 **Caryl Van Pelt (Wa)
 50-4¼i ***Cecil Hansen' (Ok)
 49-11 Mary Jacobson (OTC)
 49-8½ **Jill Stenwall (KearSt)
 49-1 Karen Marshall (North)
 48-11¾ Lorna Griffin (S Pac)
 48-8½i **Diane Patrick (Mora St)
 48-3½i **Branwen Smith' (Spring)
 47-2¼i ***Ria Stalman' (UTEP)
 47-2i *Jan Hallier (Il St)

DISCUS
 185-0 Jane Haist' (Tn)
 182-6 ***Ria Stalman' (UTEP)
 181-3 Stalman'
 180-6 Stalman'
 180-5 Lynne Winbigler (OTC)
 180-3 Haist'
 Lorna Griffin (S Pac)
 180-2 Winbigler
 179-9 Stalman'
 178-11 Stalman' !
 174-0 *Julie Hansen (S Pac)
 171-0 ***Helene Connell (OCC)
 170-4 ***Betty Bogers' (UTEP)
 170-2 Monette Branson (LAN)
 170-0 Lisa Vogelsang (Macc)
 164-3 Karen Marshall (North)
 161-3 Jan Svendsen (Quest)
 161-0 *Carol Finsrud (Tx)
 159-10 **Francine Kaylor (Co St)
 158-4 Christi Pyle (Ca HS)
 156-4 **Mary Stevenson (Or)
 156-0 **Caryl Van Pelt (Wa)
 155-9 ***Brenda Denny (Co)

JAVELIN
 210-0 Kate Schmidt (PCC)
 207-11 Sherry Calvert (Lake)
 207-9 Karin Smith (SCM)
 203-7 Calvert
 202-6 Calvert !
 202-5 Smith !
 198-5 Schmidt

Smith
 Smith !
 Schmidt !
 **Celeste Wilkinson (AzSt)
 Lynn Cannon (M Lions)
 **Cathy Sulinski (Hay St)
 Donna Dietrich (SDiSt)
 Barbara Whitfield (ML)
 167-4 **Keri Camarigg (LB St)
 166-8 Debbie Williams (Pa HS)
 161-3 **Joy Hall (SW Or JC)
 160-9 Jacquie Nelson (Ca HS)
 160-2 *Monica Stoltenburg (PS)
 157-5 ***Jeanne Eggart (Wa St)
 157-0 Donna O'Carroll (Rutg)
 Mary Osborne (Mt HS)
 Chris Hunt (ODW)
 156-4 Kathy Calo (Me HS)
 155-5 Rozlyn Rouse (Wa HS)
 154-11 **Patty Kearney (Or)
 154-8 *Linn Dunton (SDiSt)
 153-5 **Pat Brown (Wa)
 **Pam Thompson (SpCC)
 152-11 Rena Antanelis (NJ HS)
 152-3 **Carmen Schnerich (Pitt)
 151-11 Lorna Brandt (UCSB)
 **Jenny Stary (Pom Pitz)
 Sheila Smith (Aub)
 151-5 *Nancy Townsend (Fl St)
 150-11 *Kathy Devine (Emp St)
 150-8 Cindi Browning (Wa HS)
 150-6 Marilyn Senz (Pa HS)
 150-3 Jennifer Chapman (Wa HS)
 150-2 Jill Watts (NJ HS)

PENTATHLON
 h=hand-timed (worth 50 less)
 4704 Jane Frederick (LAN)
 4651 Frederick
 4379h **Mod. Oshikoya'(UCLA)
 4352h ***Th. Zambrzycki'(BYU)
 4279h Zambrzycki'
 4199 Zambrzycki'
 4243h **Dana Collins (Az St)
 4242h **Jodi Anderson (North)
 4197h Anderson
 4099 Zambrzycki'
 4064 ***Patsy Walker (UCLA)
 4112 Judy Fontaine (AGAA)
 4100h Denise Cornell (LAN)
 4052h *Linda Cornelius(TxA&M)
 3974h **Ann Crump' (UNLV)
 3953h ***Nancy Kindig (Ne)
 3947h ***Cecil Hansen' (Ok)
 3895 Judy Pollion (Tn HS)
 3922h Mar. Linsenmeyer(LAN)
 3912h Kerry Zwart (Ca HS)
 3855 Suzie Ray (Ca HS)
 3897h *Mary Harrington (Co St)
 3885h Heidi Hertz (Tn)
 3872h Joan Russell (UCSB)
 3864h **Terri Seippel (En Ky)
 3860h Lori West (Co)
 3849h **Nancy Malloy (Co St)
 3843h **Lynn Kinney (Sp CC)
 3809h **Paula Girven (Md)
 3753 Sue Brownell (Md HS)
 3794h Pia Hakansson'(Miami)
 3742h **Patti Knighton (Penn St)
 3720 Norma Pyle (OCE)
 3713h ***Sue Reimer (C Mi)
 3686h **Vivian Estes (BYU)
 3677h Brenda Wilson (Co St)
 3673h Roxanne Keating (AZHS)
 3672h **Lisa Kinimaka (North)
 3654h **Jenny Stary (Pom/Pitz)
 3653h *Sande Lambert (Tx A&M)-
 3600 **Cory Kneuer (Wi)
 3647h Wendy Limbaugh (Id HS)
 3635h Denise Gunter (C Mi)

LUXEMBURG

Luxemburg, Sept. 10—100, Quarrie (Jam-Tob) 10.2; . . . 4. Abrahams (Pan-Tob) 10.5. 200, Quarrie 20.2; 2. Michal 20.5; 3. Bombardella 20.7; . . . 5. Abrahams 21.4. Mile, Wessinghage (WG) 3:58.8. 3000, Buerkle (NYAC) 8:08.4.

DENMARK

Odense, Aug. 5—5000Walk(Women), Shea (PAL) 24:19; 2. S. Brodock (RRR) 24:26; 3. Klaus (WG) 24:55; 4. Kash (US) 25:04; . . . 6. Dufour (Az TC) 25:32.

HOLLAND

**Roosendaal, Sept. 20—2000, Lok 5:03.9 NR.
 Groningen, Sept. 23—Hour, Tebroke 12M, 1353y.**

SOUTH AFRICA

National Championships, Germiston, April 7-8—110H, Spies 13.6 (hand) in heats (not 13.53).

MOROCCO

Morocco 198-Tunisia 179, Rabat, July 9-10LJ(w), Khemiri (T) 26-1½.

MEXICO

Americas II World Cup Trials, Guadalajara, Aug. 12, 1977—Women 100(2.2), Chivas (Cuba) 11.05.

CANADA

**Toronto, June 17—SP, Dolegiewicz 68-5 NR (shot 20gr light).
 National Decathlon-Pentathlon Championships, Winnipeg, Aug. 19-20—Dec, Smiechowski 7071; 2. Willey (S Dak) 7041 (11.1, 22-1¾, 33-4¾, 6-2½, 49.2, 15.2, 104-5, 13-2, 160-11, 4:21.6).
 Pent, Konihowski 4495 (13.9, 48-5¾, 5-9, 20-7¾, 2:20.4).
 Commonwealth Games—SP, 3. Dolegiewicz 60-6½.**

TAIWAN

**Kaohsiung, Sept. 3—110H, Foster (PPC) 14.03; 2. Moses (AIA) 14.04; 3. Bethel (PPC) 14.07; 4. Turner (LA St) 14.48; 5. Walker (Aub) 14.65. HJ, Fields (unat) 7-2¾. TJ, Tiff (Tob) 52-8; 2. Livers (SJ St) 52-6; 3. Butts (Tob) 52-4. DT, Gordien (unat) 185-0. JT, Schmidt (Knox TC) 242-0.
 Women: 1500, Heald (SFVTC) 4:23.3. 100H, van Wolvelaere (Sn Cal) 14.18.**

JAPAN

**Japan 98-China 71, Tokyo, Sept. 10—LJ(w), Usui 25-9¾. TJ, Chou (C) 55-5½ NR.
 Women /China 78-Japan 54/—HJ, Yagi 6-2. Combined team scores: Japan 152-China 149.**