

# TRACK NEWSLETTER

Supplementing TRACK & FIELD NEWS

Volume 12, No. 15

May 5, 1968

Page 93

## Smith Reveals "Tommie-Jet" Gear

by Dick Drake

Walnut, Calif., April 29-30--The weather was an ideal 70°, there was talent aplenty and the meet produced quality performances but poor scheduling of events (too many non-invitational events and unexplained delays) and an expectation that didn't materialize of something super after the stellar beginning track enjoyed this year contributed to make the Mt. SAC Relays a good but not continually thrilling meet. More than 10,000 fans watched the second day of the eighth edition of this affair staged at Mt. San Antonio Junior College--some 25 minutes away by freeway from downtown Los Angeles.

Southern California fans got their first glimpse of San Jose State's Tommie Smith in the "Tommie-jet" gear that no one else seems to possess; an injury reduced his effectiveness in last year's Coliseum Relays. An impressive sight he was in two short relay legs. In the 440 relay, Smith got the baton on the anchor leg some six to seven yards behind the Striders' 9.4 sprinter Larry Dunn and New Mexico's 9.5 speedster Steve Caminiti. In a burst reminiscent of Bob Hayes' Olympic leg in Tokyo, Smith blasted past Caminiti and all but caught Dunn as he brought his team within a tenth of the Striders 40.4 winning mark. In the 880 relay, he admittedly relaxed through the turn because "I knew I could catch them on the straight". A yard behind the Striders' Fred Kuller and New Mexico's anchor-man coming off the turn, he changed into his special gear and built up a seven yard lead by the tape to draw the biggest oohs and aahs of the day. San Jose won in 1:23.8 to the Striders' and New Mexico's 1:24.5. San Jose withdrew from the mile relay.

Art Walker continues to tap his source of seemingly limitless potential in the triple jump as he raised his career outdoor best by 4½ inches to 53'11¼"--only three-quarters of an inch off Ira Davis' American record. Walker's best outdoors this year was 52'10¼", though he registered a world indoor best of 54'9½" in March. Darrell Horn revealed that Walker took off four inches behind the eight inch board on his big effort. His series was foul, 48'8", 53'4", 53'10¼", 53'1" and foul. None were wind-aided.

Two minor upsets resulted in two weight events. Al Oerter, throwing in only his second competition since winning the Tokyo Olympic discus title and still wearing his neck brace, succumbed to hot Gary Carlsen of Southern California, 194'8" to 195'0". Carlsen's second best mark was 188'9" while Oerter had three other superior marks: 189'4", 191'9" and 193'4". In the hammer, Ed Burke beat Hal Connolly for the second time (the other being Mt. SAC Relays last year) in impressive manner. He put his last four throws 219'9" or beyond with a best of 223'11" compared to Connolly's best of 218'5". Both had their best toss on their last trial.

Six dipped under 1:50 in the half-mile as Tom Farrell won in the year's equal best of 1:47.9 after employing his usual wait and kick tactics. Southern Cal's Dave Buck led through splits of 25.0, 52.8 and 1:21.6. On the final curve, Farrell, Ted Nelson and Dennis Carr all made their bids. It wasn't until sometime after they came off the curve that Farrell surged into the lead but as he did San Diego State's Rich Herrmann came on strong from the rear of the pack and managed to nab second spot in 1:49.0, ahead of Nelson (1:49.0), Carr (1:49.7), George Germann (1:49.8) and Buck (1:49.9). A surprise entry was Jamaica's Neville Myton, who had just arrived in this country Monday and is running for the 49ers Track Club. He was clocked in 1:51.7.

John Pennel and Sam Kirk both cleared 17'0" in the pole vault, but Pennel was declared the winner off a record that consisted of two passes, at 15'0" and 15'6", one miss at 16'0", none at 16'6" and one at 17'0" while Kirk missed twice at 15'0", made 15'6" on his first try, 16'0" on his second, 16'6" on his first and 17'0" on his second. Both attempted 17'5", and it was Kirk who looked the best and even had a narrow miss on his second effort. Pennel claims he likes the Mt. SAC vaulting facilities best of all, in part because of the fast, new Border runway and the usual trailing wind. But today there was virtually no wind; in fact, no race was run with excessive breezes and the discus was not aided by the normal quartering winds. The pole vault, as with most invitational field events, was limited to six to seven key performers while other athletes competed in a second divi-

sion--the obvious result being less time interval between efforts.

There were two apparent ironies to the meet. Intermediate hurdler Ron Whitney was caught for two obvious false-starts and was "thrown out" of the race. But he stood some three to four yards behind his blocks, and as the gun sounded he took off--and eventually won the race by a tenth from ex-Occidental teammate Vance Peterson in 51.5. Peterson was declared the winner, of course. A total of no less than 9 high jumpers cleared 6'10"--officially no higher or no lower. Arizona State's Mike Lange came up with the most perfect record and was awarded first place. All competed in the same competition.

The 5000 saw Ron Larrieu lead Jim Grelle by a couple of feet for 11¼ laps... with George Young vacillating back and forth in third place. With a little more than a half lap to go, Young made a significant move that carried him into the lead but Grelle, caught off guard, came charging back. But he only did catch Young with 10 yards to go and both were clocked in 14:10.8 as Larrieu fell back to 14:22.6.

Other good performances included the 100-meters in which Southern Cal freshman Lennox Miller came off a bad start to take crosstown UCLA freshman Harold Busby, 10.3 to 10.4, Kenny Head lifetime equalling and third fastest in the nation 46.4 quarter-mile, Dwyol Burleson's 4:01.4 after a 3:06.7 1320 time in the mile, Don Shy's 13.8 for 120-yard highs, Mel Hein's 16'4½" in the "second division" pole vault, Ralph Boston's 26'4¼" long jump (in from a great field, Parry O'Brien's last put effort of 62'4" to win the shot, Dave Davis' 62'3¼" unofficial win in the "second division" shot put when he arrived too late for the invitational, New Mexico's 3:09.4 mile relay win from the Striders (3:09.5), UCLA's 3:19.0 sprint medley relay victory and Paul Heglar's Friday evening 16'2¼" vault, which moved him to second on the all-time high school vault list.

100m, Miller (So Cal Fr) 10.3; 2. Busby (UCLA Fr) 10.4; 3. Dunn (Strid) 10.4; 4. Kuller (Strid) 10.5; 5. Newman (unat) 10.5.

440, Head (NM/Fr) 46.4; 2. Olson (Bakersfield JC) 46.9; 3. Freeman II (Ariz St/F) 47.1.

880, Farrell (unat) 1:47.9 (1:47.2m); 2. Herrmann (San Diego) 1:49.0; 3. Nelson (Strid) 1:49.0; 4. Carr (So Cal) 1:49.7; 5. Germann (unat) 1:49.8; 6. Buck (So Cal) 1:49.9; 7. Fishback (Athens) 1:50.6; 8. Myton (49ers) 1:51.7.

Mile, Burleson (unat) 4:01.4; 2. Thornton (NM) 4:05.7; 3. Kennedy (Strid) 4:06.1; 4. Baker (NM) 4:06.9; 5. Pyne (UCLA) 4:09.6; 6. Schul (unat) 4:09.9.

5000, Grelle (Mult AC) 14:10.8 (13:49.0 3Mile); 2. Young (unat) 14:10.8 (13:48.6); 3. Larrieu (SMAC) 14:22.6; 4. Whittle (PAA) 14:36.0; 5. Fernee (Strid) 14:44.8; 6. Traynor (unat) 15:01.8.

10,000, Kimball (Santa Barbara AC) 30:54.8 (29:58.0 6Mile); 2. Hughes (Strid) 31:04.2; 3. Eller (NM/Fr) 31:34.4; 4. Comroe (Str) 31:56.6.

3000St, Barrus (unat) 9:03.0; 2. Backus (Strid) 9:09.2; 3. Silverberg (Strid) 9:13.0; 4. Hunt (Ore St) 9:13.0; 5. Loudat (NM) 9:19.6; 6. Krenzer (unat) 9:19.6; 7. Klemmer (San Jose St) 9:30.0

HH, Shy (San Diego St) 13.8; 2. Gillette (Strid) 13.9.

440Hl, Peterson (Oxy) 51.5; 2. Wyatt (Athens) 51.5; 3. Godfrey (San Diego St) 52.3; 4. Miller (Ariz St) 52.4.

HJ, Lange (Ariz St) 6'10"; 2. Higgins (PAA) 6'10"; 3. tie, Dobroth (Strid), Hoyt (Strid) and Ross (49ers) 6'10"; 6. Heet (So Cal) 6'10"; 7. tie, Johnson (Presidio) and Hanks (Mesa JC) 6'10"; 9. Do (S Jose St) 6'10"; 10. Shinnick (unat) 6'8"; 11. Fischer (UCLA Fr) 6'8"; 12. Alexander (Fres St) 6'8"; 13. E Johnson (S Jose St) 6'8"; 14. tie, Jones (Cal Poly/SLO), Barnes (Athens AC) and Brannon (N Mex) 6'8".

PV, Pennel (Strid) 17'0"; 2. Kirk (PAA) 17'0"; 3. Wilson (So Cal Fr) 16'0"; 4. tie, Morris (Strid) and Seagren (Strid) 16'0"; 6. Chase (SCVYV) 16'0"; 7. Savage (UCLA) 15'6".

PV (Open), Hein (Strid) 16'4½"; 2. Markham (Ariz St) 16'0"; LJ, Boston (Strid) 26'4¼" (20'4", 25'4", 26'1¼", 26'4¼", 25'3¼"); 2. Hopkins (PAA) 26'2¼"; 3. Horn (Athens) 25'7¼"; 4. C. Robinson (NM) 25'2¼"; 5. Yamada (SCVYV) 24'8¼"; 6. Stenius (LA St) 24'1¼"

LJ (Open), Tucker (Strid) 24'8¼"; 2. Whitley (Hancock AC) 24'1¼"; TJ, Walker (Strid) 53'10¼" (F, 48'8", 53'4", 53'10¼", 53'1", F); 2. Fergus (S Jose St) 51'10¼" (51'3¼", 51'5¼", 50'1¼", P, F, 51'10")

3. Baxter (NM) 51'1 1/2" (50'7 1/4" second best jump); 4. C. Robinson 51'1 1/2" (50'7" second best jump); 5. Horn 50'10"; 6. Craig (49ers) 49'8 1/4"; 7. Olmstead (UCLA) 48'3".

TJ (Open), Meadows (Strid) 50'1 1/2"; 2. Young (LA St) 49'10 3/4"; 3. Fuller (Fres St) 49'4 3/4"; 3. Jackson (SCVYV) 49'1 1/2"; 4. Andrews (Strid) 48'11 1/4"; 5. Jackson (Strid) 48'6 1/2"; 6. Lee (Pierce JC) 47'5".

SP, O'Brienn (PAA) 62'4" (61'6 1/2", 60'8 1/2", 60'2 1/2", 61'9 1/2", 61'2 1/4"; 62'4"); 2. Maggard (SCVYV) 62'3"; 3. Cole (Ariz St) 60'1 3/4".

SP (Open), Davis (PAA) 62'3 3/4"; 2. Hendershot (Ariz St) 57'5 1/4"; 3. Johnson (Redlands) 56'11 1/2"; 4. Drufin (So Cal) 56'2".

DT, Carlsen (So Cal) 195'0" (195'0", 180'3 1/2", 188'9", 184'9", 185'11", 187'2"); 2. Oerter (NYAC) 194'8" (188'5", 189'4", 191'9", 194'8", 182'2", 193'4"); 3. Humphreys (PAA) 191'0"; 4. Weill (Indian TC) 185'7"; 5. Cole 183'10"; 6. McGrath (PAA) 171'1" (only throw).

DT (Open), Harper (Strid) 185'3 1/2"; 2. Puce (Nev) 182'1"; 3. Bak-kensen (Athens) 182'0"; 4. Neville (PAA) 180'7"; 5. Kohler (Strid) 177'10"; 3. Akers (San Jose St) 176'0".

HT, Burke (F, 215'4", 222'3", 219'9", 223'4", 223'11"); 2. Con-nolly (SMAC) 218'5" (204'5", 211'3", 213'9", 217'8", F, 218'5"); 3. Pryde (SBAC) 189'1".

JT, Sbordone (49ers) 247'7"; 2. Stuart (Strid) 246'8"; 3. Co-velli (PAA) 246'8"; 4. Floerke (unat) 243'5"; 5. Winningham (Ariz St) 228'0".

JT (Open), Red (PAA) 240'4"; 2. Clark (SBAC) 230'9"; 3. Conley (SCVYV) 229'5".

Dec, Hodge (Foothill JC) 7402 (10.8, 22'5 3/4", 52'11", 5'11", 49.9, 15.2, 158'3", 12'11 3/4", 172'5 1/2", 5:24.4); 2. Jeisy (unat) 7021 (11.3, 22'1 1/2", 44'7 3/4", 5'11", 52.1, 16.5, 130'7", 13'5 3/4", 188'6", 4:48.4); 3. Hedmark (49ers) 6973 (11.7, 21'10 1/2", 43'11", 6'1 1/4", 54.2, 15.8, 130'7", 12'5 3/4", 216'7", 4:46.6); 4. Thoreson (Athens) 6730 (11.7, 21'9 1/4", 36'9", 6'8 3/4", 52.7, 16.4, 123'6", 13'5 3/4", 168'10", 5:03.9); 5. Warkentin (Fres St) 6174; 6. Melquind (unat) 6102.

440R, Striders 40.4 (Dunn, Plummer, Morris, Kuller); 2. San Jose State 40.5 (Hermen, Knowles, Bambury, Smith); 3. 49ers 40.9. (New Mexico was third in 40.9 but disqualified, while UCLA pulled up.)

880R, San Jose State 1:23.8 (Hermen, Bambury, Knowles, Smith 20.1); 2. Striders 1:24.5; 3. New Mexico 1:24.5; 4. Pasadena AA 1:24.6.

MileR, New Mexico 3:09.4 (Matison 48.0, Singer 48.0, Carter 47.0, Head 46.4); 2. Striders 3:09.5 (Chiniaeff 49.0, Larrabee 46.7, Whitney 46.9, Miller 46.9); 3. Athens 3:10.0 (Wyatt 48.3, Hogan 47.7, Archibald 46.3, Fishback 47.7); 4. Arizona State 3:14.0 (Freeman 47.2).

2MileR, 49er TC 7:30.8 (Kemp 1:51.9, Mellady 1:51.9, Lee 1:52.9, Perry 1:54.1); 2. San Jose State 7:39.4.

SprMedR, UCLA 3:19.0 (Gall 48.0, Frey 20.5, Jones 21.0, Ren-shaw 1:49.5); 2. Striders 3:21.4 (Chiniaeff 48.0, Smith 21.8, Bas-tine 21.3, Eck 1:51.3); 3. 49ers 3:24.0; 4. New Mexico 3:25.1 (Rivers 20.0).

#### COLLEGE DIVISION

SP, Johnson (Redlands) 59'3 3/4"; 2. Ridge (San Diego St) 57'5". 440R, Redlands 41.5 (Larson, Krueger, Bryden, Mason). 2MileR, UCSB, 7:35.2 (Grix, Horton, Nathan, Achec); 2. Occidental 7:36.0 (Birch, Johnsen, O'Connor, Balentine); 3. LA State 7:40.2.

#### JUNIOR COLLEGE DIVISION

HJ, Hanks (Mesa JC) 6'9 3/4"; 2. Sloan (Fullerton JC) 6'9 3/4". PV, Railsback (Pasadena CC) 16'1"; 2. Sloan 15'7". SP, Thurman (Long Beach CC) 55'6 1/2". 440R, Trade-Tech JC 41.2 (Anderson, Foster, Lee, Rodgers); 2. LBCC 41.4; 3. Bakersfield JC 41.5. 2MileR, Pierce JC 7:39.0 (Newman, Myers, Hansen, Tubbs); 2. E LA JC 7:40.2; 3. Santa Ana 7:41.0. SprMedR, Pierce JC 3:26.3 (Griffey, McDowel, Ziretta, Tague). DistMedR, Santa Ana JC 10:15.2 (Young, Mendoza, Morales, Hochl); 2. Palomar JC 10:06.8; 3. Pasadena CC 10:10.4.

#### HIGH SCHOOL DIVISION

PV, Heglar (Muir) 16'2 1/4" (second only to Paul Wilson's 16'6 3/4").

## Bulletin Board

Newsletters of Volume 12 will be mailed as follows: (A)=four page TN by air-mail; (S)=eight page TN by first-class mail. May 5 (A), 12 (A), 19 (A), 26 (A), June 2 (A), 9 (A), 16 (A), 23 (A), 30 (A), July 21 (A).

Next issues of Track and Field News will be mailed May 26, June 16, July 14 and August 25.

#### TRACK NEWSLETTER

Second class postage paid at Los Altos, Calif. Published 24 times a year by Track & Field News, Inc., P. O. Box 296, Los Altos, Calif. \$6.00 per year by air mail or first class mail in the U.S., second class mail elsewhere. Dick Drake, Managing Editor; Cordner Nelson, Editor; Bert Nelson, Publisher.

## Southern Reels Off 1:22.7 880 Relay

from Joe Henderson

Des Moines, Ia., April 28-29--Southern U once again head-lined a relay meet, this time at the 57th running of the Drake Relays where it ran the 880-yard relay in 1:22.7 and won four baton events. A crowd of 12,500 sat under umbrellas the first day in chilly and rain weather, while 18,000 in long-underwear braved a rain-less but cool 46° Saturday program.

With a foursome of Webster Johnson, George Anderson, Gru Harris and Theron Lewis, Southern came within a tenth of Abilene Christian's world mark in the 880-yard relay. But it didn't occur until after a controversial decision in a heat in which the meet referee overruled an infraction call by two judges that the first baton pass between Anderson and Johnson was beyond the zone. Texas Southern Coach Stan Wright protested vigorously. His squad ran 1:22.9 to eq its best of the year. They also won the 440 relay from Southern, 40 to 40.6, with the benefit of good passing. But Southern won the mile relay in 3:07.2--6.2 seconds ahead of the second team, the two-mile relay in 7:31.2 and sprint medley in 3:19.2 after Texas Southern had won its heat in 3:17.4.

The college division two-mile and sprint medley relays were made interesting by some novel half-mile running. In the 4x880 rel Lewis blazed the first quarter in 49.0--believed to be the fastest ever run, ahead of a 49.2 by Jim Paterson of England nine years ago but labored through a 63.2 last lap to run a 1:52.2 leg. But apparently it didn't have much affect on Robert Johnson and George Hunt as both ran sub-50 quarters in the final leg of the sprint medley. Johnson ran 1:51.5 to lead the faltering Hunt.

Two runners put on a healthy endurance show of good performances. St. Cloud State sophomore Van Nelson raced to a 13:29 three-mile clocking with the benefit of a last lap of 62.4 and 19 hour later ran six-miles in 28:48.6. His three-mile clocking established a sophomore class record, bettering the old mark of 13:37.2, with the third fastest time in the US this year. His six-mile time was by far the fastest in the nation this season, though it missed the sophomore mark of 28:35.8 set by overaged Al Lawrence in 1960. Abilene Christian's Charlie Christmas was full of run as well. On Friday, he started 6.5 seconds behind Kansas' John Lawson and even passed him only to be outkicked though he still ran 4:01.0. Kansas won in 16:38.8, 1.2 seconds ahead of ACC. On Saturday, he anchored his team to a 9:41.6 triumph in the distance medley with a 4:05.4 leg and then less than two hours later ran a 1:48.6 leg in the sprint medley that wasn't enough to overhaul Oklahoma State's John Perry's 1:48.0 as they beat ACC by seven-tenths in 3:18.2. Perry anchored his team to a victorious 3:18.2 sprint medley relay with 1:48.4.

Wichita State's 6'5 1/2", 198-lb., junior Fred Burton scaled 16'6" to become the sixth highest performer this year in the vault. He won the Kansas Relays at 16' 1/2" for his previous best, which improved his former high of 15'6".

A Michigan State foursome of Clinton Jones, Bob Steele, Fred McKay and Gene Washington was credited with a 57.4 college record in the 480-yard high hurdle relay--but only after a little "luck". Nebraska was running first by two-yards going over the last hurdle when its anchorman Ray Harvey, who had floundered over the last four barriers, tripped and smashed to the ground--and with almost sure record. Another irony occurred as Iowa State's Tom Adams ran two legs in a heat of the shuttle hurdle relay--the first and last--but pressmen caught him and he owed up to the officials what he had done. Darryl Green was scheduled to run but did not, and Iowa State coach Bob Lawson dropped him from the squad for conduct reasons.

Oklahoma State turned in the fastest two-mile relay time of the year of 7:22.4 as John Perry ran a 1:48.0 leg. Texas was second in 7:22.8, which equalled the previous fastest time in the US, with the aid of a splendid effort by Preston Davis--1:47.6. Randy Matson won the discus and shot at 185'4" and 65'3 3/4" inspite of a persistent knee injury. Jim Ryun won the mile by a scant tenth from John Cam in 4:05.6 as he fought the effects of a case of the flu earlier in the week.

100 (windy), Greene (Nebr) 9.3; 2. Hines (Tex So) 9.4; 3. Freeman (Murray St) 9.4; 4. Duncan (Tex So) 9.5. Heats: IV-1. Hines 9.1; Mile, Ryun (Kans Fr) 4:05.6; 2. Camien (NYAC) 4:05.7; 3. Romo (Tex) 4:07.5; 4. Andersson (En Ky St/Fr) 4:08.2. 1 Mile (University), Von Ruden (Okla St) 4:06.6; 2. Davis (Tex) 4:07.1; 3. Boydston (Northwestern) 4:07.8.

2Mile, Moore (So Ill) 8:47.0; 2. Coffey (ND) 9:02.0; 3. McCullins (Okla St) 9:02.4.

3Mile, Nelson (St Cloud St) 13:29.2; 2. Moore 13:39.0; 3. Robinson (Swn La TC) 13:50.0; 4. Scott (NM) 14:00.4; 5. Courka (Denver) 14:02.0; 6. Compton (Drake Fr) 14:04.0; 7. Sharkey (Mich St) 14:05.0; 8. Takle (Luther) 14:08.0; 9. Heinonen (Mich) 14:10.0.

10. Lee (Ia St) 14:11.8.  
6 Mile, Nelson 28:48.6; 2. Robinson 29:04.8; 3. McMahon (Okla Bapt/Fr) 29:12.2; 4. Lakin (Ft Hays St) 29:35.6; 5. Courkamp (Denver) 29:39.2; 6. Takle (Luther) 29:49.0.

HH (windy), Bristol (Tex So) 13.6; 2. Hicks (Tex So) 13.6; 3. Reed (Tenn A&I) 13.6; 4. Nairn (Sn) 13.7; 5. Young (Pittsburg St) 13.8.

440IH, Pickett (Houston) 51.6; 2. Sams (Sn) 51.6; 3. Williams (Sn) 52.3; 4. Steele (Mich St) 52.5. Heats: I-1. Steele 52.9. III-1. Pickett 52.9; 2. Williams 53.0.

HJ, Hartfield (Tex So) 6'10<sup>1</sup>/<sub>4</sub>".  
PV, Burton (Wichita St) 16'6": 2. King (Tex) 15'7": 3. Barrett (En Mich) 15'7": 4. Farrell (Okla) 15'7": 5. Ward (Baylor) 15'7".

LJ, Gray (Okla Chris) 24'8<sup>1</sup>/<sub>2</sub>"; 2. Ard (Kans) 24'7": 3. Badger (Wn Mich) 24'6".

TJ, Vernon (So Ill) 51'7".  
SP, Matson (Tex A&M) 65'3<sup>3</sup>/<sub>4</sub>"; 2. Woods (So Ill) 58'9<sup>3</sup>/<sub>4</sub>"; 3. Beltzer (Nebr) 56'7<sup>1</sup>/<sub>4</sub>"; 4. Lane (Minn) 56'3<sup>3</sup>/<sub>4</sub>".

DT, Matson 185'4"; 2. Schwartz (Kans) 170'2<sup>1</sup>/<sub>2</sub>".

JT, Purma (Kans) 243'6".

**UNIVERSITY DIVISION RELAYS**

440R, SMU 40.9 (Evans, Clayton, Bankhead, Edwards); 2. Nebraska 41.0; 3. Baylor 41.1. Heats: I-1. SMU 41.4.

880R, SMU 1:24.0 (Evans, Clayton, Bankhead, Edwards); 2. Iowa 1:25.2; 3. Abilene Christian 1:25.4; 4. Kansas 1:26.0; 5. Baylor 1:26.4. Heats: I-1. SMU 1:26.2; 2. Kansas 1:26.5. II-1. Iowa 1:25.9; 2. Texas A&M 1:26.0; 3. Oklahoma 1:26.6. III-1. Abilene Christian 1:26.4; 2. Baylor 1:26.8; 3. Kansas State 1:27.0.

MileR, Nebraska 3:09.9 (Walker, Kudron, Hellbusch, Crook 45.7); 2. Central Ohio State 3:09.9 (Ross, Lipscomb, Hicks, McGrady 46.1); 3. Kansas State 3:10.4 (Selbe, Wooten, Moody, Payne 45.8); 4. Iowa 3:10.5 (Feree, Randolph, Reimer, Mondane 47.0); 5. Abilene Christian 3:10.9 (Heats: I-1. Kansas State 3:09.6 (Payne 46.0); 2. Nebraska 3:09.9; 3. Western Michigan 3:10.5. II-1. Iowa 3:09.5 (Reimer 46.7, Mondane 46.3); 2. Abilene Christian 3:10.8; 3. Wisconsin 3:12.3; 4. Texas 3:12.4. III-1. Central Ohio State 3:10.8; 2. Air Force 3:11.6; 3. Southern Illinois 3:12.2; 4. Drake 3:12.8. IV-1. Oklahoma 3:12.6.

2 MileR, Oklahoma State 7:22.4 (Droke 1:55.0, Von Ruden 1:50.0, Metcalf 1:49.4, J. Perry 1:48.0); 2. Texas 7:22.8 (Webb O'Bryan, Romo 1:50.2, Davis 1:47.6); 3. Missouri 7:25.6; 4. Central Ohio State 7:32.8 (Lipscomb 1:51.2, McGrady 1:51.8).

4 MileR, Kansas 16:38.8 (Grindal 4:14.3, Russell 4:07.8, Paul 4:10.3, Lawson 4:06.3); 2. Abilene Christian 16:40.0 (Von Troba, Badgley, Johnson, Christmas 4:01.0); 3. Houston 17:09.4; 4. Western Michigan 17:10.4; 5. Michigan State 17:28.2; 6. Notre Dame 17:31.8.

SpMedR, Oklahoma St 3:18.2 (Miller, Hester, Metcalf 46.6, J. Perry 1:48.4); 2. Abilene Christian 3:18.9 (Harrison 21.7, Knapp 21.3, Dunn 47.3, Christmas 1:48.6); 3. Air Force 3:22.6. Heats: I-1. Drake 3:23.8. II-1. Abilene Christian 3:23.3; 2. Air Force 3:24.2; 3. Texas 3:24.3; 4. Minnesota 3:25.3; 5. Tex A&M 3:25.7.

DistMedR, Abilene Christian 9:41.6 (Johnson 1:51.6, Dunn 47.1, Von Troba 2:57.5, Christmas 4:05.4); 2. Kansas 9:42.0 (Russell 1:52.0, Peck 46.4, Paul 2:57.8, Lawson 4:05.8); 3. Notre Dame 9:49.4 (Farrell, Timm, Spiro, Dean); 4. Missouri 9:50.2; 5. Iowa 9:53.6 (Mondane 46.8).

480HHR, Michigan State 57.4 CR (Jones, Steele, McKoy, Washington); 2. Western Michigan 57.5 (Hendershott, Leek, Stratton, LeMon). Heats: I-1. Western Michigan 59.3. II-1. Nebraska 60.0; 2. Michigan State 61.0; 3. Doane 61.5.

**COLLEGE DIVISION RELAYS**

440R, Texas Southern 40.2 (Bristol, Hicks, Duncan, Hines); 2. Southern 40.6 (Nairn, Harris, W. Johnson, Anderson); 3. Grambling 40.8 (Baker, Stebbins, Smith, Shortt). Heats: I-1. Texas Southern 40.5. II-1. Southern 41.1.

880R, Southern 1:22.7 (W. Johnson, Anderson, Harris, Lewis); 2. Texas Southern 1:22.9 (Duncan, Hicks, Evans, Hines); 3. Grambling 1:24.4 (Baker, Stebbins, Shortt, Smith); 4. Oklahoma Christian 1:25.6; 5. Northeast Missouri State 1:26.5. Heats: I-1. Southern 1:25.1 (W. Johnson, Anderson, Gates, Harris). II-1. Texas Southern 1:24.2. III-1. Grambling 1:25.3.

MileR, Southern 3:07.4 (W. Johnson 47.1, Gates 47.2, R. Johnson 46.9, Lewis 46.2). Heats: I-1. Southern 3:09.9

2 MileR, Southern 7:31.2 (Brown, R. Johnson, Dotson 1:52.2, Lewis 1:52.2); 2. Miami (O) 7:34.0; 3. Eastern Kentucky 7:34.8; 4. Ft. Hays St 7:36.2; 5. Grambling 7:42.8.

SprMedR, Southern 3:19.2 (Anderson, Harris, Lewis 45.8, R. Johnson 1:51.5); 2. Texas Southern 3:21.7 (Duncan, Evans, Hines 45.5, Hunt); 3. Northeast Missouri 3:23.8; 4. Grambling 3:25.9; 5. Murray State 3:26.4. Heats: I-1. Southern 3:23.9; 2. Pittsburg State 3:26.3. II-1. Texas Southern 3:17.4 (Duncan 21.2, Evans 20.7,

Hines 46.9, Hunt 1:48.6).

DistMedR, Miami (O) 9:49.6 (Isaacson, Brubaker, Bachelor, Bartel); 2. Ft. Hays State 9:50.4 (Harms, Havel, Katz, Mason); 3. Howard Payne 10:01.2; 4. Pittsburg State 10:02.0; 5. Loyola 10:05.0

**FRESHMAN DIVISION RELAYS**

SprMedR, Abilene Christian 3:22.5 (Stratton, Wagner, Crawford 46.5, Peacock 1:52.5); 2. Louisiana State 3:23.6.

**Patrick Anchors Villanova to 2 Wins**

by Jim Dunaway

Philadelphia, Pa., April 29-30--Dave Patrick, who spends a lot of time chasing Georgetown anchor men, caught two of them at the 72nd Penn Relays and thus won the Carnival's outstanding athlete award. Patrick anchored Villanova to wins in the distance medley and two-mile relays, the distance medley relay on Friday produced a meet and record time of 9:46.4.

Georgetown shares the credit for the record. Ricky Urbina, who had been sick most of the week, ran a 1:50.6 lead-off half-mile to put the Hoyas well in front, and Jim Borck (48.5) and Bob Zieminiski (2:58.6) kept them there. So Patrick got the stick about 30 yards back of Paul Perry for the mile segment. Perry ran close to his best (4:09.6), but Patrick made up the interval steadily, nailed Perry on the last turn, and drew clear to win by six yards, with a 4:04.6 split.

The next was a wet, cold, rainy day which produced a very sloppy, slow track, but Patrick made up four yards on Urbina to win the two-mile relay in the slow time of 7:39.4. Patrick's time was only a "tactical" 1:53.0, but any time you give Urbina a headstart and beat him, you have done some running.

Most of the good individual performances came on Friday or early Saturday before the rain started. Dick Johnston of Colgate, who emerged here suddenly last year to win a 400-meter hurdles in 51.4 and then disappeared with an injury, repeated with a strong-finishing 51.5 win as Leon Coleman of Winston-Salem and Tony Lynch of Harvard faded.

Sam Bair moved up from the mile to the two-mile and set a meet record with an 8:49.2 effort. The little Kent Stater's 57.4 last quarter carried him past Barry Brown and Jim Johnson, who made most of the pace.

In twin 100-yard dashes, Sam Perry won clearly from the collegiate field and John Carlos nipped Bill Gaines with a strong finish in the open race. Times were 9.8 and 9.7, respectively, both against the wind. Villanova frosh Ervin Hall raised a few eyebrows with a fast-starting victory over Russ Rogers and Courtland Gray in 14.2, while Coleman stepped a good 14.0 in the collegiate race to beat Pat Pomphrey.

Discus thrower Art Swarts tied the meet record of 178'11<sup>1</sup>/<sub>2</sub>" in beating Elvin Bethea by two inches, and John Fiore threw the hammer 192'2<sup>1</sup>/<sub>2</sub>" to edge Alex Schulten by five inches. In the open hammer, Tom Gage moved into seventh place on the all-time US list with a 205'5" toss.

Best quarter-mile of the thousands run during the muddy second day was a 46.5 anchor by Vince Matthews of the Johnson C. Smith frosh.

The high school distance medley was outstanding. Boys high of Brooklyn came within 0.4 of the national record with a 10:09.8 clocking, chiefly thanks to Jim Jackson's 4:14.4 anchor mile. Essex Catholic's Tom Liquori faded to second with a 4:18.2, running with a bad ankle tightly taped. Had he been at his best (sub-4:15), the record would have easily been broken.

100, Perry (Ford) 9.8 (9.9h). 100 (Open), Carlos (NY PC) 9.7; 2. Gaines (NY HS) nt. 2 Mile, Bair (Kent St) 8:49.2; 2. Brown (Prov) 8:53.2; 3. Johnson (Wm&Mary) 8:54.4; 4. Reilly (Penn St) 8:59.2; 5. Sheehan (Man) 9:00.4; 6. Hewlett (Harv) 9:02.2. 3000mSt, Manley (Quan) 9:18.6; 2. Foran (Quan) 9:22.8; 3. Brouillet (Quan) 9:25.8. 3000mSt (Univ), Reilly (Penn St) 9:19.8; 2. O'Reilly (Geotwn) 9:23.4; 3. Norris (Bos C) 9:23.6; 4. McDermott (Geotwn) 9:29.8. 120fHH, Coleman (Winston-Salem) 14.0 (14.1h); 2. Pomphrey (Tenn) nt (14.1h). 120fHH (Open), Hall (Vill Fr) 14.2; 2. Rogers (GSB) nt. 4. Gray (Quan) nt. 5. Murphy (Tenn Fr) nt. 400mHH, Johnston (Colgate) 51.5; 2. Coleman 52.1; 3. Lynch (Harv) 52.8.

HJ, Costello (Md) 6'9". LJ, Mays (GSB) 24'11<sup>1</sup>/<sub>4</sub>". TJ, Marks (Md) 48'8<sup>1</sup>/<sub>4</sub>". SP, Harvey (Mich) 58'7<sup>1</sup>/<sub>4</sub>"; 2. Crews (Mo) 58'7<sup>1</sup>/<sub>4</sub>"; 3. Bethea (NC A&T) 57'8<sup>1</sup>/<sub>2</sub>"; 4. Stewart (Duke) 56'8"; 5. Fisher (Kent St) 56'1". DT, Swarts (S Caro) 178'11<sup>1</sup>/<sub>2</sub>"; 2. Bethea 178'9<sup>1</sup>/<sub>2</sub>"; 3. Belter (Seton Hall) 173'0"; 4. Smith (Fla A&M) 171'6". HT, Fiore (Bos C) 192'2<sup>1</sup>/<sub>2</sub>"; 2. Schulten (Bowdoin) 191'9<sup>1</sup>/<sub>2</sub>"; 3. Docemberger (Colum) 184'9<sup>1</sup>/<sub>2</sub>"; 4. Mead (Man) 184'1"; 5. Norris (Army) 176'11<sup>1</sup>/<sub>2</sub>"; 6. Hart (Army) 176'1<sup>1</sup>/<sub>2</sub>". HT (Open), Gage (NYAC) 205'5"; 2. Thomson (NYA) 191'2"; 3. Taber (Quan) 190'6".

440R, Florida A&M 41.5 (41.3h) (James, Hazelton, Milton, Ashcroft). 880R, Florida A&M 1:26.9 (1:26.8h) (Samuel, Hazelton, Jam

Milton): Morgan State (disq) 1:26.7h. MileR, Maryland St 3:15.2 (3:12.2h) (Brown, Walker, Grimes, Skinner). 2MileR, Villanova 7:39.1 (McCafferty, Nation, Hamilton 1:51.6, Patrick 1:53.0); 2. Georgetown 7:39.4 (Zieminski 1:51.5, Urbina 1:53.5). 4MileR, Georgetown 17:16.4 (McDermot, Perry, Urbina, Zieminski); 2. Army 17:21.9; 3. Tennessee 17:25.0; 4. Navy 17:30.4.

SprMedR, Kentucky State 3:24.5 (3:24.3h) (Kemp, Bailey Ray, McBarrows); 2. Seton Hall 3:26.7 (3:26.3h). DisMedR, Villanova 9:46.4 (McCafferty 1:53.3, Heidelberger 48.2, Hamilton 3:00.3, Patrick 4:04.6); 2. Georgetown 9:47.4 (Urbina 1:50.6, Borck 48.5, Zieminski 2:58.6, Perry 4:09.6); 3. Tennessee 9:57.0; 4. Fordham 9:57.6; 5. Army 9:57.8; 6. Harvard 9:59.6. 480HHR, Tennessee 59.5 (59.7h) (Bogart, Smith, Neiswender, Pomphrey); 2. Navy 60.4; 3. Penn 62.7; 3. Cornell 62.8.

Dist MedR (HS), Boys 10:09.8 (Edmead 1:58.0, Henry 50.8, Randall 3:06.6, Jackson 4:14.4); 2. Essex Catholic 10:12.4 (Liquori 4:18.2); 3. Randolph Mass Academy 10:13.2 (Dulong 4:14.3).

## National News

Following are the results of the University Division mile, two-mile and four-mile relays from the Kansas Relays. They were not included in the April 28 Newsletter.

MileR, Rice 3:07.4 (Mass 46.6, Thompson 47.3, Cloud 47.4, Ellington 46.1); 2. Kansas State 3:09.4 (Payne 46.1); 3. Southern Illinois 3:10.4; 4. Kansas 3:10.5; 5. Oklahoma State 3:10.6.

2MileR, Oklahoma State 7:22.8 (Droke 1:53.1, Von Ruden 1:49.9; Metcalf 1:50.6, J Perry 1:49.2); 2. Texas 7:26.4 (O'Bryan 1:50.7, Romo 1:50.7, Davis 1:49.6); 3. Kansas 7:29.4 (Paul 1:50.4); 4. Missouri 7:30.0; 5. Colorado 7:39.4).

4MileR, Kansas 16:36.8 (Yergovich 4:13.3, Russell 4:09.8, Paul 4:08.1, Lawson 4:05.6); 2. Brigham Young 16:47.4; 3. Kansas State 16:52.3 (Nightingale 4:10.7); 4. Missouri 17:00.4; 5. Colorado 17:04.6.

DUAL MEET, Missoula, Mont., Apr. 9--PV, Stemple (Mont) 15"9".

CORN PALACE RELAYS, Mitchell, S.D., Apr. 16--White (Yankton College) 14.0 (14.0h).

ELAJC 73, El Camino JC 63, L.A., Calif., Apr. 22--100, Jefferson (ELA) 9.5.

BAKERSFIELD JC 91, L.A. VALLEY JC 41, Apr. 22--440R, Bakersfield JC 41.2; 2. Valley 41.4. HJ, Nutt (Bakersfield) 6'8 $\frac{1}{4}$ ".

COMPTON CUP HIGH SCHOOL, Compton, Calif., Apr. 23--HJ, Morris (Compton) 6'8 $\frac{1}{4}$ ". LJ, Harris (Loyola) 24'5". PV, Heglar (Muir, Pasadena) 15'9".

BROWN 92, COLUMBIA 52, PENN 47, New York City, Apr. 23--HT, Doernberger (C) 177'0".

NORTHEAST LOUISIANA 109, SOUTHERN STATE 43, LOUISIANA TECH 28, Ruston, La., Apr. 23--440R, Northeast La 41.3 (LeBlanc, Mann, Vogel, Fountain).

DUAL MEET, Storrs, Conn., Apr. 23--HT, Yuen (Conn) 178'6"; 2. Birdsey (Conn) 172'10 $\frac{1}{2}$ "; 3. Weingart (Conn) 169'7 $\frac{1}{2}$ ".

UTAH STATE 83, UTAH 62, Logan, Utah, Apr. 23--DT, Roost (US) 172'7 $\frac{1}{2}$ "; 2. Staley (U) 172'6 $\frac{1}{2}$ ".

LAMAR TECH 90, LOUISIANA STATE 54, Baton Rouge, La., Apr. 23--JT, Dyer (LSU) 231'4". DT, Nimmo (Lamar Tech) 170'8 $\frac{1}{2}$ ".

ALL-COMERS, Brookline, Mass., Apr. 24--HT (18 lbs., 44" chain), Backus (NYAC) 164'0".

TEXAS FROSH 71, RICE FROSH 47, VICTORIA JC 28, TEXAS A&M FROSH 13, Houston, Tex., Apr. 27--440, Brown (R) 47.1. 100, Bernauer (R) 9.5w. MileR, Rice 3:11.0 (Maupin, Casey, Bernauer, Brown).

SOUTHERN CALIFORNIA 86, OREGON STATE 58, LA, Calif., Apr. 29--SP, Drufin (So Cal) 58'6"; 2. Samsam (OS) 56'11 $\frac{1}{2}$ ". 440R, Southern Cal 40.8 (McCullough, Firenze, Wolff, Middleton). HJ, Heet (SC) 6'8 $\frac{1}{4}$ ". Mile, Carr (SC) 4:05.2; 2. Link (SC) 4:05.2. 11H, Sonnksen (OS) 18.2; 2. Bowie (SC) nt; 3. Kerry (SC) nt. (Sixth hurdle was off position, four feet short, causing three runners to fall.) DT, Carlsen (SC) 180'8 $\frac{1}{2}$ ". TJ, Albin (OS) 48'1 $\frac{1}{2}$ ". 2Mile, Schulz (SC) 8:59.6. MileR, Southern Cal 3:12.2 (Wolff, Buck, Carr, Middleton).

NORTHEAST LOUISIANA 79, LAMAR TECH 67, MC NEESE 35, Lake Charles, La., Apr. 26--440R, Northeast Louisiana 40.8 (LeBlanc, Mann, Vogel, Fountain). 100, Fountain (NE) 9.5w. 11H, Mann (NE) 13.8w. MileR, Lamar Tech 3:10.0 (Guidry, McCloud, Thomas, Harrison).

OREGON FROSH 76, OREGON STATE FROSH 65, Eugene, Ore., Apr. 29--Mile, Divine (O) 4:06.6. 220, Hertel (OS) 20.8; 2. Smith (OS) 20.9. 2Mile, Jackson (O) 9:05.0.

BRIGHAM YOUNG 106, CALIFORNIA 38, Berkeley, Calif., Apr. 30--440R, BYU 40.9 (Reeves, Thacker, Douglas, Turner); 2. Cal 41.1. Mile, Delaney (BYU) 4:04.4; 2. Richards (BYU) 4:05.2; 3. Price (C) 4:06.2. HH, Rockwell (BYU) 11.1. 880, Stone (BYU) 1:50.6; 2. Smith (C) 1:50.7. 440H, McCrary (C) 51.3; 2. Douglas (BYU)

51.7. 2Mile, Morgan (BYU) 9:01.4; 2. Rohatinsky (BYU) 9:03.0; Richards (BYU) 9:05.0. MileR, Cal 3:10.9 (Glenn, Shafer, Hengli, Beaty). SP, Patera (BYU) 61'8 $\frac{1}{2}$ "; 2. Bianco (BYU) 60'11 $\frac{1}{4}$ ". TJ, Danna (BYU) 49'8 $\frac{1}{4}$ ".

EL CERRITO HIGH SCHOOL RELAYS, El Cerrito, Calif., Apr. 30--HJ, Jackson (Castlemont, Oakland) 6'10 $\frac{1}{2}$ ".

NORTHERN CALIFORNIA JC RELAYS, Fresno, Calif., Apr. HH, Hunt (Fresno) 14.1. 880R, San Francisco 1:26.8. LJ, Roger (Contra Costa) 24'10 $\frac{1}{4}$ "; 2. Turner (Hancock) 24'4 $\frac{1}{4}$ ". PV, Phillips (San Mateo) 15'6". TJ, Tucker (San Francisco) 51'1 $\frac{1}{2}$ "; 2. D Thomson (Fresno) 49'4"; 3. H Thompson (Fresno) 48'6".

COLORADO RELAYS, Boulder, Colo., Apr. 30--HJ, Williams (Ft Hays) 6'10 $\frac{3}{4}$ "; 2. Schmidt (Ft Hays St) 6'10 $\frac{3}{4}$ ". PV, Rogers (C) 16'5". 440R, Colorado 41.1 (Harris, Plantz, George, Banks). 880, Ft Hays 1:26.5 (Newsom, Alexander, Morel, Shane); Colorado 1s 1:26.1, disqualified.

INDIANA RELAYS, Bloomington, Ind., Apr. 30--440H, West (AATC) 52.9. 2MileR, Western Kentucky 7:42.2

OREGON 82, WASHINGTON STATE 62, Eugene, Ore., Apr. DT, Steinhauer (O) 185'1". 880, Bell (O) 1:48.4. PV, Precht (WS) 15'3 $\frac{1}{2}$ ". HJ, Keppel (WS) 6'10 $\frac{1}{4}$ ". 2Mile, Westman (WS) 8:56.0. SP, Steinhauer 65'1 $\frac{1}{2}$ ". JT, O'Donnell (WS) 232'5 $\frac{1}{2}$ ". Mile, Moore (O) 4:04.2; 2. Wilborn (O) 4:08.3. HH, Blum (O) 13.9.

TEXAS A&M 82, BAYLOR 53, College Station, Tex., Apr. 12 440R, Texas A&M 41.3 (Abernathy, Smith, Schmidt, Britt). SP, Matson (A&M) 65'10 $\frac{1}{4}$ ". DT, Matson 191'6 $\frac{1}{2}$ ". PV, Ward (B) 15'2".

STANFORD 83, WASHINGTON 52, Stanford, Calif., Apr. 30-440R, Stanford 40.9 (Vaughan, Forbes, Ward, Questad). DT, St er (S) 185'2"; 2. Pemberton (W) 171'3". PV, Eshelman (S) 15'11".

CONNECTICUT 79, COLUMBIA 70, New York City, May 30--HT, Doernberger (C) 181'4 $\frac{1}{2}$ ".

PRINCETON 84, YALE 70, New Haven, Conn., Apr. HT Freeman (Y) 165'9".

CENTRAL WASHINGTON 106, PORTLAND 39, Ellensburg, W. Apr. 30--100, Hryciw (P) 9.5. LJ, Boyle (P) 24'5". TJ, Boyle 47

LITTLE STATE HIGH SCHOOL MEET, Corpus Christi, Tex. Apr. 30--Mile, Gonzales (Falfurrias) 4:08.0. 100, Eck (Greenvi 9.5 (probably windy). HJ, Johnson (San Antonio St Peter Claver)

NEGRO STATE HIGH SCHOOL MEET, Prairie View, Tex., 30--100 (11.43 mph wind), Reginald Robinson (Wichita Falls) 9.1

HARVARD 114, DARTMOUTH 40, Hanover, H.N., Apr. 30--Wilson (H) 170'1 $\frac{1}{2}$ ".

BOWDOIN 78, MIT 71, Brunswick, Me., Apr. 30--HT, Schul (B) 190'11".

ARIZONA 75, UTAH 57, UTAH STATE 49, Salt Lake City, U. Apr. 30--11H, Frederick (A) 13.9; 2. Hall (U) 14.1. HJ, Caruth (A) 6'9 $\frac{1}{2}$ ". JT, Tushaus (A) 236'5". TJ, Etnye (U) 48'4 $\frac{3}{4}$ ". 440R Arizona 41.3 (Brignolo, Kimball, Tello, Ehlenburg).

WAYLAND INVITATIONAL, Plainview, Tex., Apr. 30--100 (windy), Parrish (Texas Tech) 9.4.

LAMAR TECH 90, LSU 54, Lake Charles, La., Apr. 26--D Nimmo (Lamar Tech) 170'8 $\frac{1}{2}$ ". JT, Dyer (LSU) 231'4".

NEVADA 89, CAL DAVIS 56, Reno, Nev., Apr. 30--TJ, Montgomery (N) 47'11".

AUBURN 78 $\frac{1}{2}$ , GEORGIA TECH 66 $\frac{1}{2}$ , Atlanta, Ga., Apr. 30--Christopher (A) 15'6".

SOUTHEASTERN LOUISIANA 88, NORTHWESTERN LOUISIANA 60, LOUISIANA TECH 33, Hammond, La., Apr. 30--JT, nat (NWN) 230'3".

RICE, MEXICO NATIONAL TEAM, Mexico City, Mex., Apr. 400, Ellington (R) 46.1. 400R, Rice 40.7.

### Relays

Chalk lines are drawn across the track to mark the distances of stages and to denote the scratch line. Other lines are drawn 10 (11 yards) before and after the scratch line, denoting the take-over zone within which the baton must be passed. In a 1963 ruling, r in relays up to 4x220-yards may start running up to 10-meters c side the take-over zone but the baton must be passed only when l athletes are in the take-over zone.

### Batons and Baton Passing

The baton which is passed from athlete to athlete must be carried the hand throughout the race. Should it be dropped, it must be covered by the athlete who dropped it. Disqualification is incurred when the baton is passed outside the take-over zone.

### Relays Times-Individual

It has been estimated that in the average 4x110-yard relay, the (lead-off) runner covers about 118-yards with the baton, the second and third runners about 110-yards each, and the final (anchor) about 102 yards.

(From Melvyn Watman's Encyclopedia of Athletics)