

# WOMEN'S TRACK WORLD

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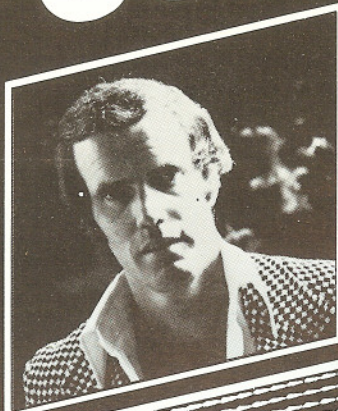
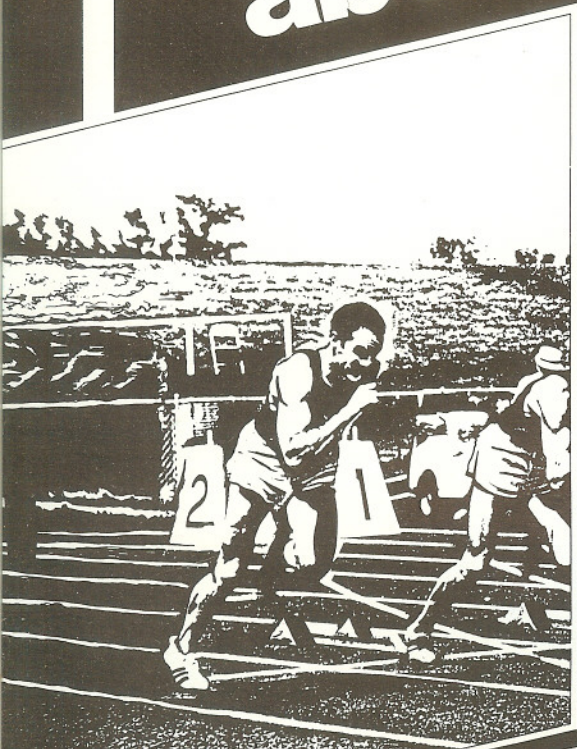
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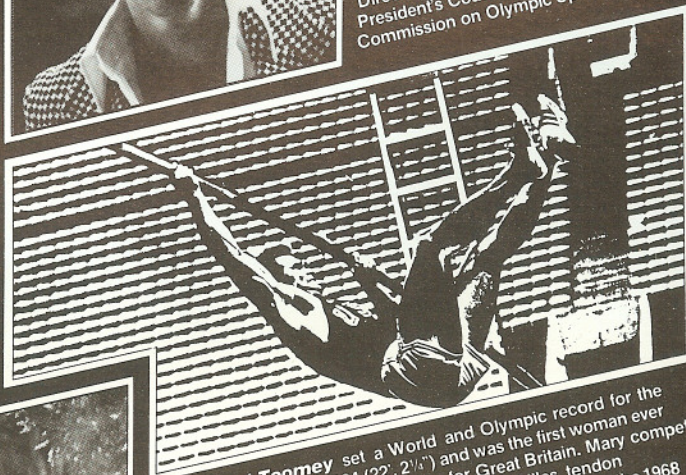
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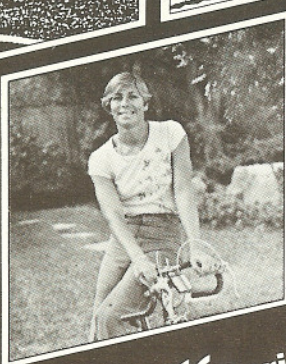
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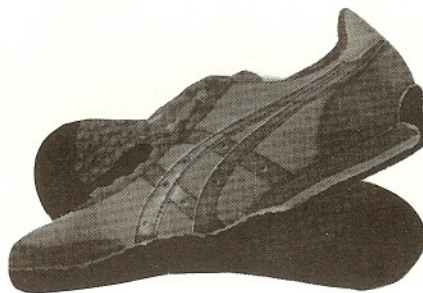
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# WOMEN'S TRACK WORLD

VOLUME 12 — NUMBER 8

APRIL 1981

**COVER PHOTO:** Esmeralda Garcia (Florida State) has the nation's leading long jump at 21'6½ and a mark of 11.54 for 100 meters.



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# WOMEN'S TRACK WORLD

Publisher — A. LINDBERGH ALLEN

Editor — S.F. VINCENT REEL

High School Editor — RICH EDE

Editorial Assistants — CASEY IDE

Art Assistant — Sandy Redlinger

Contributing Editors — Walter F. Jekot, M.D.

Photographic Consultant — Wendell Osborne

Contributing Photographers — Don Chadez, Ralph Merlino, Jeff Johnson,  
Bill Leung, Sr., Dodie Bump

GFR—Peter Probst, ENGLAND—Tony Duffy, CANADA—Mike Bailey,

USSR—Ziguror Mesavilks, AUSTRALIA—Darryl Cross

Circulation Director — Barbara E. Price Allen

Advertising Sales — Jane Stary

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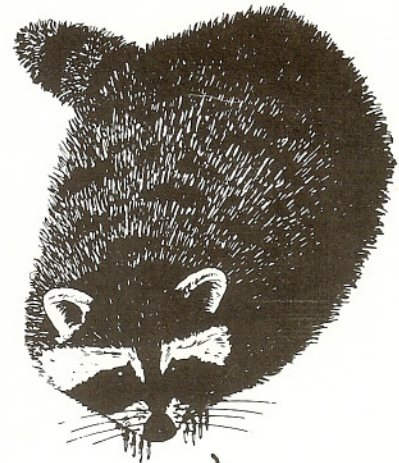
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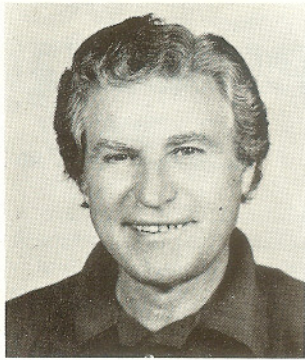


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## REEL OFF

During the first few years of "Women's Track World's" existence, we annually conducted a "Club Record Contest" which was invariably won by the Los Angeles Track Club. With the switch from club to school involvement, the "Club Record Contest" was dropped but will soon be replaced by a "Record Contest" open to clubs and schools to determine who has the best set of records in the standard events. Marks submitted are scored on the International Scoring Table and totaled to determine the winner. Recently the LATC came out with a brochure covering their 1981 team and included a list of Club records. Although the contest has been in the dark for these past few years, it is doubtful any club or institution has a better set of records than the LATC. Take a look at these LATC records:

100	11.19	Chi Cheng	1970
	10.9		
200	22.4	Chi Cheng	1970
400	52.08	Valerie Brisco	1979
800	2:00.7	Julie Brown	1977
1500	4:06.4	Julie Brown	1979
3000	8:58.3	Julie Brown	1979
5000	15:43.3	Julie Brown	1975
10000	33:41.2	Sue Kinsey	1978
Marathon	2:36:23	Julie Brown	1978
100H	12.8	Chi Cheng	1970
	12.91	Chi Cheng	1970
400H	56.40	Sandy Myers	1980
HJ	6'3½	Pam Spencer	1979
LJ	22'11½	J. Anderson	1980
SP	53'5½	J. Svendsen	1972
DT	189'0	O. Connolly	1972
JT	219'5	K. Schmidt	1976
Pentathlon	4704	J. Frederick	1978
4x100	43.81		1980
4x200	1:38.72		1979
4x400	3:41.3		1980
4x800	8:32.3		1980
D.Med	11:53.6		1979
4x1 mile	21:55.9		1979
★	★	★	★

The latest innovation in our sport (and other sports) is International Competition. We have established an organization which provides for international competition and to be selected for a traveling team, you do not have to be a "star". Various degrees of competition are arranged and include high school, college and open classifications. Trips usually last two weeks. If interested, see the enclosed box and contact us at P.O. Box 371, Claremont, California 91711. Time is short, so don't delay. To ask costs nothing.

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We have some more "team distributions" to add to the schools discussed in last month's issue. Is there a major team which has members from only the state in which it is located? Yes there is. We have found one. But it's not Wisconsin. Wisconsin has a large team with 47 members and 27 of them are from Wisconsin itself, but the rest come from eight additional states plus Kenya. And it's not Colorado State, a school which one doesn't figure to do much outside recruiting. However, nine states are represented in addition to 26 from the home state on their 35 person squad. And it's not that studious institution in Palo Alto. Of the 21 on the Stanford team, only 11 come from California and the rest from nine other states. Angelo State has 34 people on its squad, 28 come from Texas but there are five other states represented. Nebraska/Omaha almost was the perfect team. Nebraska/Omaha has 17 ladies on its squad and 16 come from Ne-

braska — but there's one from Missouri. So who is the PERFECT team? Surprise! It's the University of California at Berkeley with all 31 members from the sunny state of California. Cal Poly/San Luis Obispo came close with 30 on their team and 27 from California plus three from Colorado, but UC Berkeley plays it straight!

★ ★ ★ ★ ★

Did you watch the AIAW basketball championship on TV? If so, did you get a look at those uniforms? Tennessee wore pants that came down almost to their knees giving the impression of "cut-offs", but that was a mod look compared to Louisiana Tech. Their uniforms looked pretty good until the game was ready to start when I expected them to take off their warmups — but no! Those were their game uniforms! The girls at Woodrow Wilson High at their "playdays" back in 1930 had better looking outfits. The game was all right except the competitors seemed to do a lot more jumping around than was deemed necessary. Always happy to have the exposure for women's sports — although their wasn't much "exposure" from old Louisiana Tech.

★ ★ ★ ★ ★

Until we get a computer, we are going to have to cut down on the number of performers on our statistical lists. Last year we recorded marks for as many as 200 athletes in some events and the time spent was two to five hours per day simply to keep up the files. Because this is such a time-consuming job, we have set the following standards for inclusion on our 1981 outdoor list:

100	— 11.75
200	— 24.10
400	— 54.50
800	— 2:09.9
1500	— 4:29.9
Mile	— 4:53.0
3000	— 9:42.0
2 Mile	— 10:39.9
5000	— 16:59.9
10000	— 36:30.0
Marathon	— 2:59:59
100H	— 14.30
400H	— 61.69
HJ	— 5'9
LJ	— 19'6
SP	— 45'0
DT	— 150'0
JT	— 148'0
Hept	— 4000
4x100	— 46.69
4x200	— 1:46.0
4x400	— 3:45.9
4x800	— 9:15.9
SpMed	— 1:44.9
DisMed	— 12:05.0

WTW

# KALEIDOSCOPE

Diane Vetter, Iowa State, won her fourth consecutive 1000y run title at the Big Eight Indoor championships. A record which can never be beaten . . . Another Iowa Stater, Chris McMeekin, who was a member of the 1976 British Olympic team, has finally recovered from Achilles problems after a couple of operations . . . Coincidence Department: Kathy Borgwarth, Wisconsin, has run three consecutive 60m hurdles races in exactly the same time of 8.62. First was at Madison on January 31, then twice at Pocatello on March 13 and 14. Do you realize how difficult it is to run the exact time down to the hundredths of a second? . . . Arkansas has lost Diann Ousley due to

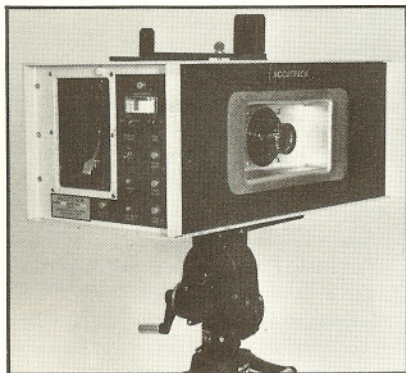
that old bugaboo "personal reasons" . . . Arizona State's Val Boyer, who began the indoor season with a smash, has undergone a kidney operation but hopes to be back in action for the outdoor season . . . Names I Like Department: Twala Pugh from Klub Keystone, Trashon Fearington of the Long Beach Comets and Terkeler Shegog from Tennessee. And add another sound-alike in Ann Van from the Valley of the Sun TC.

When the Liberty AC ran their 8:54.3 two mile relay indoors, it was accomplished by a team of four high school students — Perini (2:15.8), Lisa Welch (2:11.1), Lesley Welch (2:12.8) and Saunders (2:14.6) . . . The East Germans

have been busy since the Olympics. Barbel Lockhoff is now Barbel Schoelzel, Kerstin Claus is now Kerstin Knabe and Ines Reichenbach is now Ines Muller . . . Former New Zealand international Alison Wright has changed her nationality and made her DEBUT for Great Britain against the DDR at the age of 31 . . . Wisconsin United will host a Twilight Meet on July 11. Teams from Great Britain, Holland and West Germany will be there. If interested contact United International Twilight Meet, 4003 Hammersley Ave., Madison, Wisconsin 53705 . . . Sacramento State is getting a brand

(continued on page 9)

## DUAL ACCURACY.

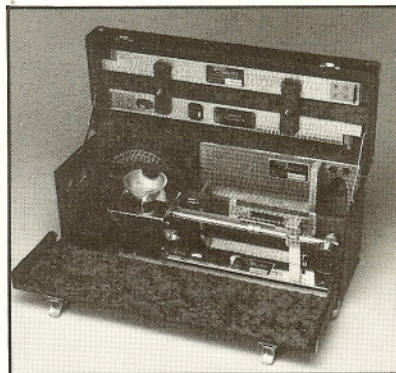


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# Virginia Upset Winner of AIAW Indoor

By Vince Reel

Pocatello, Idaho, March 13/14 — They staged an old-fashioned dog fight for the team title at the Second Annual AIAW National Indoor Championships and made the meet one to be long remembered. There were, of course, some fine individual performances, but even Merlene Ottey's world best for 300 meters had to take a back seat to the team battle.

With three events remaining, five teams were still in contention: Virginia led with 46 points, Florida State was next with 42, then came Wisconsin with 41, Tennessee with 40 and charging from the back of the pack was Nebraska with 36. Events remaining were the high jump, 3000 meters and the 4x400 relay.

Nebraska's Sharon Burrill hopped over 6'0½ to pick up eight valuable points in the high jump and move the Lincoln team into second place, just two points behind Virginia. None of the other four teams scored. Next up was the 3000. Virginia had a couple of good entries: Jill Haworth, the workhorse of the meet who had already won the 1500 in a big upset over Arizona's Joan Hansen plus anchoring the Virginia distance medley team to a second place and the 4x800 team into fifth, and a relatively rested Aileen O'Connor who had won the 5000 in the afternoon in her only meet appearance. Tennessee had Kim Bird who didn't figure to score. Wisconsin with its seemingly endless supply of distance runners didn't have an entry in the 3000 and neither did Nebraska.

The race was to be between Haworth and Hansen, but the runners failed to read the script. Haworth, understandably, was 16th at the end of the first 400, moved up to 12th by the 800 mark and never improved. Hansen, who had run only one race and had a 30-second advantage over the field in previous season performances, fared a little better, but was never in the contest. Britain's Bernadette Madigan of Kentucky, led the first three laps and then dropped out. O'Connor was back in the rear of the pack and as the race progressed, the old names came to the fore — Mary Rawe, Nancy Scardino, Kelly Spatz, Debra Pavik et al. With three laps to go, unsung Patricia Sharples (Who?) from the University of Idaho took the lead and never looked back. The glint in her eyes told the spectators that in her mind NO one was going to beat her — and they didn't. But



JEFF JOHNSON PHOTO

Candy Young — Hurdle Winner

all eyes were on O'Connor and she rewarded the crowd with a wise performance as she gradually moved up through the large field and with a last lap big effort managed to place fifth and add two points to Virginia's score.

And so it was with only the relay remaining, Virginia led with 48 points — but had no relay team. Wisconsin also was finished in the scoring with their 41 points, but Nebraska was now in second with 44 points, Florida State had 42 and

Tennessee was in the wings with 40 points — and all three had fine 4x400 relay teams. Nebraska could win the meet simply by finishing third in the relay, and with Merlene Ottey and Normalee Murray as mainstays, who would bet against them? True, Julie Seaton, Nebraska's number three 400 runner had been injured and replaced by half-miler Cheryl Zagics, but the difference was small and Ottey could surely make up 20 yards on the anchor



leg. Florida State could win the meet by placing second and while they had no big names on their quartette, they had run a very respectable 3:42.12 in the trials to make it to the final six. Tennessee had to win the relay to become champion, but look at that foursome — Melisa Walton, Joetta Clark, Cathy Rattray and Lisa Sherrill. Who was to say they couldn't win it all?

So who won the relay? Surprise, it was Adelphi with June Griffith blazing 51.75 on the anchor 400. And that eliminated Tennessee. The University of Texas, with a surprise assist from Tammy Etienne, finished second — and there went Florida State's chances. Surely Nebraska finished third to win the meet. But no, it was Tennessee in third as Nebraska saw their chances fading as the race progressed. Half-milers Tami Essington and substitute Cheryl Zagics simply were not up to the speed of the quarter-milers they were running against and Ottey, who might have won from 20 yards back, merely trotted around in 56 seconds as the Nebraska group was out of contention.

And so Virginia, sitting on their hands as the 4x400 was run, won the meet with their 48 points. Florida State and Tennessee each had 46, Nebraska 45 and Wisconsin 41. Defending champ UTEP was never in the running after the trials on day one and ended up in a tie for 18th with 12 points. Their troubles began in the first round of the 60m dash when Beatrice Reese was disqualified for two false starts and ended in the 800 when Rochelle Collins was tripped after running less than 100 yards and failed to score in spite of only five starters in the race.

We don't want to dwell on negative items, but Virginia won the meet in spite of the decision by Coach Dennis Cradock to drop their #1 runner, Margaret Groos, from the team for the remainder of the 1981 season for violation of team rules. Cradock, as can be imagined, was all smiles after the competition.

The meet itself was a well-run affair and the weather so nice competition could have been held outdoors. The Mini-dome is a sight in itself, certainly an ideal spot for these championships. There were no major complaints, a minimum of protests and only the lack of more people in some of the running events caused comment. For example only five entrants for the 800, six in the 400 and seven in the 600. But when a program contains a 300, 400, 600, 800, 1000, 1500 and four relays you are bound to have a shortage somewhere along the line. Our only complaint would have to be directed at the announcer who seemingly did not know the female runners and then gave results in reverse order causing much confusion with spectators attempting to write down results. His arrangement of announcing "Results of the shot put; in sixth place

from Arizona State with a put of 51'5/4, Ria Stalman" lost everyone. By the time one searched through the list of 21 entrants to find 'Arizona State', then try and remember the distance while searching for the athlete's name, the announcer was giving fifth or fourth place. And the violation of Dick Bank's pet peeve with announcers in calling the final of an event the "finals" was the crushing blow.

But it was a great meet with plenty of excitement, good competition and fine performances along with ideal facilities and organization. In all, 17 new AIAW meet records were set or broken, 16 stadium marks were made, seven new Collegiate indoor marks, three new American records and one world mark. And, as someone said, "Wouldn't it be nice to have UCLA's talent and Florida State's budget!"

Here's how things went event by event:

### 60 Meter Dash

The short sprint field was not particularly strong. Except for Ottey, bronze medalist in the 200 at the Moscow Olympics, not a single outstanding performer was entered. Sherri Funn of George Mason was credited with a very swift 7.28 early in the year, but had done nothing since to warrant special watching. UNLV's Lisa Thompson sped a few swifties in 1980 but had little of note since then. Florida State's Brazilian import Esmeralda Garcia was an unknown without a major victory in 1981 and the rest were good journeymen runners. By chance, Garcia, Funn and Thompson all ended up in the first heat of the qualifying round and the Brazilian dispatched them with a fast 7.26 clocking. Ottey was content to win her heat in 7.36 over Michigan State's Cheryl Gilliam (7.53). Tennessee's frosh sprinter, Sharieffa Barksdale won the other heat in 7.48.

Garcia and Ottey won the semifinal heats in 7.34 and 7.29 respectively as Barksdale was eliminated. The final was no contest. Ottey was off well enough and at the halfway point pulled ahead to win easily in 7.24, a mark close to making the all-time world top ten list (7.22 would have done it). Garcia was next in 7.35 followed by Thompson in a formful race.

**(First Round), Heat 1,** 1—Esmeralda Garcia (Fl. St) 7.26, 2—Lisa Thompson (UNLV) 7.34, 3—Sherri Funn (George Mason) 7.42, 4—Tara Mastin (Houston) 7.50, 5—Laletta Fitzpatrick (Ind. St) 8.10; **Heat 2,** 1—Sharieffa Barksdale (Tn) 7.48, 2—Michelle Walsch (Ariz) 7.56, 3—Normalee Murray (Nb) 7.59, 4—Felicia Moore (Ok) 7.60, 5—Lisa Anne Staton (NC) 7.60, Beatrice Reese (UTEP) disqualified; **Heat 3,** 1—Merlene Ottey (Nb) 7.36, 2—Cheryl Gilliam (Mich. St) 7.53, 3—Becky Kaiser (Ill) 7.57, 4—Karen Wechsler (Ind) 7.58, 5—Catherine Sharpe (Mich) 7.61, 6—Delene Thomas (Utah St) 7.67.

**(Semifinals), Heat 1,** 1—Garcia (Fl. St) 7.34, 2—Thompson (UNLV) 7.35, 3—Gilliam (Mich. St) 7.50, 4—Moore (Ok) 7.51, 5—Murray (Nb) 7.59, 6—Kaiser (Ill) 7.64; **Heat 2,** 1—Ottey (Nb) 7.29, 2—Funn (GM) 7.47, 3—Mastin (Houston) 7.54, 4—Barksdale (Tn) 7.56, 5—Walsch (Ariz) 7.63, 6—Wechsler (Ind) 7.70.

**FINAL,** 1—Merlene Ottey (Nb) 7.24, 2—Esmeralda Garcia (Fl. St) 7.35, 3—Lisa Thompson (UNLV) 7.41, 4—Tara Mastin (Houston) 7.48, 5—Sherri Funn (GM) 7.51, 6—Cheryl Gilliam (Mich. St) 7.53.

### 300 Meter Dash

Ottey had set a new world mark for this distance early in the season when she ran 37.23 in Saskatoon on December 30 and the first round of heats indicated she had her eye on bettering that mark. Ottey won the first heat in 37.29 just six-hundredths of a second off the record and pulled Florida State's Randy Givens to a time of 38.33 in second place, a mark which put Ms Givens on the All-Time US List in second position. Sharon Colyear of Great Britain and Boston University won the second heat by a full second in 38.56 and there were a lot of fireworks in the third heat. Jamaica's Normalee Murray won it for Nebraska in 37.94 to move to the #7 spot on the All-Time World List. Tennessee's Cathy Rattray was second in 37.95 for the #8 spot on the World List. And Ella Smith from North Texas State was third in 38.47 to move into the #3 position on the US All-Time List.

Running in lane three, Ottey completely ruined the world mark in the semifinals as she broke the tape in 35.91. Rattray was next and equalled her own record of 37.95. Colyear won the second semi in 37.70 to move onto the World List, but she was to run even faster in the final.

When Ottey drew the outside lane for the final, no one expected her to beat her new World Record, but using the track construction to advantage, Ottey did it again, winning by a huge margin in 35.83. Colyear was second in 37.46, a time that moved her to fourth on the All-Time World List. Wisconsin's Robin Jackson was third in 37.98 and became the #1 for the USA and #8 on the World List. Nebraska, hoping for 1-2 in this event had to settle for 14 points instead of 18 as Normalee Murray finished fourth. Tennessee also missed a chance to win the meet in this very important event as Rattray finished fifth in 39.15, much slower than her 37.95 in the heats and semis.

**(First Round), Heat 1,** 1—Merlene Ottey (Nb) 37.29, 2—Randy Givens (Fl. St) 38.33 (#2 US), 3—Robin Jackson (Wis) 39.43, 4—Cheryl Gilliam (Mich. St) 41.17, 5—Melanie Batiste (Ore) 42.58; **Heat 2,** 1—Sharon Colyear (Boston) 38.56, 2—Gail Stephens (E. Ill) 39.57, 3—Felicia Freeman (Tx. Tech) 39.69, 4—Reba Jackson (Ind) 39.98; **Heat 3,** 1—Normalee Murray (Nb) 37.94 (#7 World), 2—Cathy Rattray (Tn) 37.95 (#8 W), 3—Ella Smith (N. Tx. St) 38.47 (#3 US), 4—Antoinette Browning (Ky) 39.08, 5—Lori Green-Jones (Kan) 39.49, 6—Dorena Hayward (UTEP) 40.71.

**(Semifinals), Heat 1,** 1—Ottey (Nb) 35.91 (WR), 2—Rattray (Tn) 37.95, 3—Jackson (Ind) 38.04, 4—Givens (Fl. St) 39.02, 5—Freeman (Tx. Tech) 39.91, 6—Gilliam (Mich. St) 40.22; **Heat 2,** 1—Colyear (Boston) 37.70, 2—Murray (Nb) 38.42, 3—Stephens (E. Ill) 38.80 (#9 US), 4—Smith (N. Tx. St) 38.90, 5—Jackson (Ky) 38.97, 6—Browning (Ky) 39.61.

**FINAL,** 1—Merlene Ottey (Nb) 35.83 (World Record),

## AIAW INDOOR (continued)

2—Sharon Colyear (Boston) 37.46, 3—Robin Jackson (Wis) 37.98 (#1 US/#8 W), 4—Normalee Murray (Nb) 38.41, 5—Cathy Rattray (Tn) 39.15, 6—Gail Stephens (E. Ill) 40.42.

### 400 Meter Dash

Although only seven athletes entered for the 400, the quality was high. Temple's Edna Brown was injured early in the meet and the field was reduced to six, thereby eliminating trials. Pittsburgh's Gwen Murray was out fast and led at the 200 in 25.0 with Virginia's Lisa Garrett in fourth and Wisconsin's Pam Moore back in fifth. Garrett and Moore made strong moves over the final furlong as did UTEP's Charmaine Crooks from Canada. Murray faded to fifth and Moore came on to win in a fine 53.88, a mark which moves her to the #5 position on the All-Time US List. Garrett's second place time of 54.07 puts her on the US List in seventh position.

**FINAL**, 1—Pam Moore (Wis) 53.88 (#5 US), 2—Lisa Garrett (Va) 54.07 (#7 US), 3—Charmaine Crooks (UTEP) 54.19, 4—Angela Wright (Fl. St) 54.37, 5—Gwen Murray (Pitt) 55.00, 6—Annette Campbell (Ok) 56.79.

### 600 Meter Run

Only seven entries for this event and trials were needed to eliminate one runner. The two heats qualified first and second from each heat and the two fastest losers. With those restrictions, Teresa Pioli of Penn State was eliminated with her time of 1:32.29. By a strange coincidence, Pioli's time of 1:32.29 which caused her to be eliminated in the trials would have placed her fourth in the final!

The final between Walton and Sedwick was a fine run although not too exciting as Walton went to the front, led at the 200 in 27.0 by a tenth over Sedwick, led at the 400 in 56.5 by two-tenths and finished with a new American Record at 1:26.56, more than two seconds in front of Sedwick. The Michigan State runner moved to the #3 position on the All-Time US List and Wanda Trent, with a clocking of 1:30.20, claims the #8 US position.

**Heat 1**, 1—Delisa Walton (Tn) 1:28.83, 2—Jill Lancaster (Ok) 1:32.15, 3—Teresa Pioli (Penn St) 1:32.29; **Heat 2**, 1—Pam Sedwick (Mich. St) 1:30.77, 2—Wanda Trent (Kan. St) 1:31.28, 3—Rosalyn Dunlap (Mo) 1:31.79, 4—Barbara Ennis (Ind) 1:32.02.

**FINAL**, 1—Delisa Walton (Tn) 1:26.56 (#1 US/#2 World), 2—Pam Sedwick (Mich. St) 1:28.82 (#3 US), 3—Wanda Trent (Kan. St) 1:30.20 (#8 US), 4—Barbara Ennis (Ind) 1:32.74, 5—Jill Lancaster (Ok) 1:32.76, 6—Rosalyn Dunlap (Mo) 1:42.42.

### 800 Meter Run

Another event with a small entry list, but with runners of high calibre. Only five individuals chose to enter this event and only two would run the entire race without complications. Two veterans who have faced each other many times, Joetta Clark of Tennessee and Darlene Beckford of Harvard, took each other on



*Iowa States' winning distance medley team: Chris McMeekin, Diane Vetter, Sumetia Wells and Wren Schafer.*

in a hard-run contest that saw Clark lead all the way in 29.0-60-1:33 and finally lose to Beckford on the final straight. Darlene had her best-ever indoor mark at 2:05.75 to move to the #8 spot on the All-Time US List. Clark finished in 2:06.36.

The rest of the field was in trouble. Apparently Dorianne Lambelet of Cornell stepped on the heel of Rochelle Collins (UTEP) after the race had gone approximately 80 yards. Both runners fell and Oklahoma's Maureen Houghton displayed fine hurdle form as she leaped over and around the fallen duo. Collins never did get up and after a time Lambelet arose and finished the race for fourth place in 2:34.73. Houghton, who has a time of 2:08.09 this year, was clocked in 2:13.16 and Lambelet was far short of her season best of 2:09.31.

**FINAL**, 1—Darlene Beckford (Harvard) 2:05.75 (#8 US), 2—Joetta Clark (Tn) 2:06.36, 3—Maureen Houghton (Ok) 2:13.16, 4—Dorianne Lambelet (Cornell) 2:34.73, (Rochelle Collins, UTEP, fell).

### 1000 Meter Run

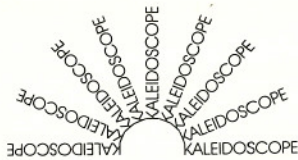
Florida State's 30-year-old freshman, Margaret Coomber from England, led at the end of the first 400 in 65.5 with Richmond's Josephine White along side. White took over soon after the 400 mark and led in 2:11 at the 800 mark, then went on to win in a fine 2:43.33. Four more foreigners followed White across the finish line and Diane Vetter, closing out her collegiate career, was sixth, the first American.

**FINAL**, 1—Josephine White (Richmond) 4:43.33, 2—Ileana Hocking (N. Tx. St) 2:47.12, 3—Margaret Coomber (Fl. St) 2:47.25, 4—Rose Thompson (Wis) 2:48.52, 5—Maria Simonsson (Drake) 2:48.95, 6—Diane Vetter (Iowa St) 2:50.43, 7—Deb Pihl (Kan) 2:51.66, 8—Tina Bengston (LSU) 2:54.18, 9—Suzanne Fredrick (Mich) 3:02.44.

### 1500 Meter Run

Only eight runners showed for this classic distance and most fans expected

*(continued on page 10)*



(continued from page 5)

new Chevron track . . . The West German foursome of Heidi Gaugel, Christina Susiek, Christine Brickmann and Gaby Bussmann covered a swift 4x400 against Great Britain. Did it in 3:34.38, a 53.58 average which isn't too shabby indoors.

Did you know the center on the University of Virginia basketball team this year is named Vicki Hoops? . . . We have here another athlete/coach marriage. This time it's indoor world record holder for the high jump Andrea Mattay and her coach Pal Eros . . . Retired at the end of 1980 are such famous names as Szewinska, Ackermann, Fuchs, Klier and Barauskiene . . . 'Tis the season to be expecting (the year after the Olympics, ya' know), and in that condition are Christine Lathan, Christine Wartenburg, Sigrun Siegl and Romy Muller — all from the DDR . . . Jody Rittenhouse, Arkansas, came down with the mumps mid-way

through the indoor season, but came back to pick up fifth at Pocatello . . . The Arizona TAC group now includes the triple jump in its Age Group meets. Bobi Bunner, in the 10/11 division, has hopped 26'10 and Melissa Alt has a 34'8 performance in the 12/13 division.

East Germany has a 13-year-old named Kathrin Ulbrich who has covered 1000m in 2:54.8 . . . Searching for our new Rhyming Names Department, we have come up with Ann Van and Judy Moody — but all the time staring us in the empty face was our former 800 runner at Redlands with a triple rhymer — Chee Swee Lee . . . Florida State, runner-up to the AIAW indoor title, had never before scored in national competition . . . More Names I Like: Nola Pipergerdes of the Puma TC in Arizona, Tara Shy and Florida's Scooby Golden . . . And Ribon Johnson of Berkeley HS . . . Speaking of names, we're up to our elbows in "Jacksons" this season. We have Reba at Indiana, Darlene at Eastern Tennessee, Gloria at Georgia, Robin at Wisconsin, Kathy at Idaho State, Antoinette at Ohio State, Cornelia at Jackson State, Alice at Grambling and Patricia at Prairie View . . . Another DDR youngster is 15-year-old Sibylle Thiele who has cleared 6'2 . . . "Athletics Weekly" editor Mel Watman suggests the next world record holder for

the 400m hurdles will be Barbel Wockel. Her credentials: two time Olympic Games champion over 200 meters and a clocking of 13.14 made several years ago in the 100 hurdles, PLUS her first-ever 400 clocked in 52.1 . . . In winning the 4x800 at the Texas Relays the University of Tennessee foursome averaged 2:09.04.

1826 athletes took part in the Levi Development meet in San Francisco last February . . . If you're from California, subscribe to "California Track & Running News", only \$10 a year from P.O. Box 6103, Fresno, 93703 . . . Want some more 'names'? How about Lady Valentina from Club New York, or Cathy Persichetty from New Jersey or Olive Green and Icesonnia Horsley, southern age groupers. And Mary Ellen Mileski runs the mile for a New Jersey club . . . There's an Ohio jumper named Tricia Hoptry. Plus Dealyear Brown and Cerfonia Polk and Plum Jackson . . . Looking through the age group lists one finds some of our most famous names will be perpetuated. Missouri has a sprinter named Brenda Webb, Kansas City has Julie Brown. There's a Cheri Williams in San Diego and a Carol Lewis running hurdles in Washington. Even Australia gets in the act with Pat Donnelly running the sprints.

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Arizona's Joan Hansen to win. This was an important event for points toward the team title with Tennessee (Portasik) and Virginia (Haworth) having entries. Portasik took command as the race began and passed the 400 mark in 71, but Hansen took over soon after and led at the 800 in 2:19 and at the 1200 in 3:31. Haworth moved up during the next 200, but it still looked like the winner would be Hansen. But it was not to be. Hansen ran into the "wall" with about 300y to go and Haworth came on like gang-busters to win by more than a second in 4:25.20 as the altitude may have played havoc with the westerner. Portasik faded to fourth as Sue Shea of Villanova moved into third.

**FINAL**, 1—Jill Haworth (Va) 4:25.20, 2—Joan Hansen (Ariz) 4:26.53, 3—Sue Shea (Vil) 4:28.15, 4—Linda Portasik (Tn) 4:31.66, 5—Jody Rittenhouse (Ark) 4:37.89, 6—Carleen Thom (Col) 4:39.00, 7—Penny O'Brien (Iowa) 4:42.03, 8—Linda Detlefson (Ga) 4:59.66.

**3000 Meter Run**

As described earlier, Kentucky's Bernadette Madigan assumed the lead for the first three laps in 73-2:29-3:46.5 and then dropped out. Kelly Spatz and Mary Rawe took over pace setting duties with Joan Hansen and Jill Haworth buried back in the pack and unable to make a move. Aileen O'Connor of Virginia moved up gradually and finally finished in fifth position to give Virginia the necessary points to win the meet. With three laps to go, Patricia Sharples moved quickly into the lead and never looked back, winning in 9:33.96 over Kelly Spatz, Michigan State, who was timed in 9:34.59.

**FINAL**, 1—Patricia Sharples (Idaho) 9:33.96, 2—Kelly Spatz (Mich. St) 9:34.59, 3—Mary Rawe (Penn St) 9:35.84, 4—Cindy Duarte (Clemson) 9:45.85, 5—Aileen O'Connor (Va) 9:46.75, 6—Debra Pavik (Md) 9:48.03, 7—Nancy Scardino (NH) 9:49.52, 8—Judith McCrone (Mass) 9:54.13. Others included: Joan Hansen (Ariz), Nan Doak (Iowa), Jill Haworth (Va), Bernadette Madigan (Ky), Kim Bird (Tn), Rebecca Cotta (Purdue), Marianne Dickerson (Ill), Judy Parker (Iowa), Karen Campbell (Mich. St), Liz Hjalmarsson (Drake).

**5000 Meter Run**

The 5000 boasted a strong field which included Arizona's marathoner Marjorie Kaput, Nancy Seeger of Rutgers, Kathy Mills and Peg Cleary of Penn State, Kellie Cathey of Oklahoma, Kim Schnurpfeil from Stanford, Aileen O'Connor and Mary Wright from Virginia and defending champion Eileen Hornberger now from Tennessee. The Oklahoman, who's names are undoubtedly reversed, took the lead at the gun and piled up a big lead as she passed the first 1600 in 4:57.0 with splits of 70.5-73.0-75.5-76.0. Meanwhile Stanford's Schnurpfeil trudged along with an opening 5:09.5 (72-79-79-79) and the rest of the field covering the opening portion in normal style. The fast early pace began to tell on Cathey and she slipped to 10:28.2 (5:31) at

the 3200m mark. Meanwhile Schnurpfeil covered the second 1600 in 5:20 and was less than a second back of Cathey. Cathey continued to slow over the third 1600 running laps of 85-86-87-95 as Schnurpfeil took the lead with a 5:25 (79-78-82-76.5). But wait a minute — here comes O'Connor and she slipped past Schnurpfeil with less than a lap to go and won it in 16:33.6 to 16:38.0 in spite of the Stanford lass covering the final furlong in 31 seconds. Cathey held on gallantly for third but was nearly 12 seconds back. Mills got up for fourth and Hornberger, who has been having injury problems, was never in the chase after the first 1200.

**FINAL**, 1—Aileen O'Connor (Va) 16:33.6, 2—Kim Schnurpfeil (Stanford) 16:38.0, 3—Kellie Cathey (Ok) 16:51.6, 4—Kathy Mills (Penn St) 16:54.9, 5—Darian Andreu (Fl. St) 17:06.6, 6—Marjorie Kaput (Ariz) 17:09.2, 7—Margaret Cleary (Penn St) 17:17.7, 8—Nancy Seeger (Rutgers) 17:20.8, 9—Judy Parker (Iowa) 17:22.7, 10—Lisa Last (Mich. St) 17:28.9, 11—Nan Doak (Iowa) 17:32.4, 12—Melanie Weaver (Mich) 17:32.6, 13—Letha Davis (Drake) 17:35.8, 14—Eileen Hornberger (Tn) 17:48.9, 15—Terry Ebanks (Tx) 17:49.2, 16—Zanetta Weber (Iowa) 17:49.5, 17—Donna Ganly (Mo) 17:54.0, 18—Mary Jean Wright (Va) 18:24.7.

**60 Meter Hurdles**

One of the best balanced fields of the competition gathered for the 60m hurdles. Tennessee's Benita Fitzgerald has been nothing less than sensational all year and won the TAC title; Candy Young has not been sensational to date, but has been improving; England's Sharon Colyear has been having her best ever year; Kim Turner, the defending champion, has lacked competition, but has turned in some fast times. Add to this quartette the likes of Lori Dinello, Karen Wechsler, Brenda Calhoun, Kim Willis and the Finnish star Leena Spoo and you are guaranteed some fine running.

Heat winners were Wechsler, Colyear, Young and Turner as the UTEP runner and Fitzgerald ended up in the same heat. Colyear had the best mark at 8.21s. The real running began in the semis and the first of the two seemed loaded with Turner, Fitzgerald, Colyear and Calhoun bunched together. Turner won again, this time in 8.30 while Young had no problem winning the other race in 8.26 over Dinello.

The final was all it was expected to be with the first five finishing in a pack. Young was the winner by a clear margin in her lifetime best of 8.18, a mark which moves her to the number two position on the All-Time US List. Colyear was next and for the first time in the two-day competition, Fitzgerald edged Turner. Dinello was fifth in 8.34 and moved into the #7 position on the US List. Wechsler, whose starting technique needs much work, was far back.

(First Round), Heat 1, 1—Karen Wechsler (Ind) 8.27, 2—

Debra Deusch (Rutgers) 8.49, 3—Brenda Calhoun (Ariz St) 8.52, 4—Amy Dunlop (Wis) 8.77, 5—Kathy Kleahn (Ky) 8.81; Heat 2, 1—Sharon Colyear (Boston) 8.21, 2—Lori Dinello (Fl) 8.39, 3—Kathy Borgwarth (Wis) 8.62, 4—Veronica Flowers (Tx. Tech) 8.70, 5—Connie McKernan (Kan) 8.80; Heat 3, 1—Candy Young (Farleigh Dickinson) 8.23, 2—Kim Willis (Ohio St) 8.53, 3—Elizabeth Miller (Ore) 8.59, 4—Lena Spoo (Purdue) 8.69, 5—Lisa Hansen (Minn) 8.83; Heat 4, 1—Kim Turner (UTEP) 8.31, 2—Benita Fitzgerald (Tn) 8.36, 3—Judy Thomas (Ky) 8.67, 4—Gwen Poss (Kan) 8.68, 5—Barbara Veasley (Mo) 8.88, 6—Kelly Mathews (Iowa St) 8.89.

(Semifinals), Heat 1, 1—Turner (UTEP) 8.30, 2—Fitzgerald (Tn) 8.34, 3—Colyear (Boston) 8.35, 4—Calhoun (Ariz St) 8.63, 5—Thomas (Ky) 8.63, 6—Willis (Ohio St) 8.66; Heat 2, 1—Young (FD) 8.26, 2—Dinello (Fl) 8.34, 3—Wechsler (Ind) 8.47, 4—Miller (Ore) 8.53, 5—Borgwarth (Wis) 8.62, 6—Deusch (Rut) 8.64.

**FINAL**, 1—Candy Young (FD) 8.18 (#2 US), 2—Sharon Colyear (Boston) 8.24, 3—Benita Fitzgerald (Tn) 8.28, 4—Kim Turner (UTEP) 8.31, 5—Lori Dinello (Fl) 8.34 (#7 US), 6—Karen Wachslar (Ind) 8.57.

**4x200 Relay**

The most exciting of the four relays to watch, the 4x200 is a race of continuous action and speed, a real crowd pleaser. Florida State won the final rather handily in spite of some heroics by Adelphi's June Griffith who came from the back of the pack into second across the line. Temple, a heat winner in the trials, lost Edna Brown due to injury and was never in contention in the final.

Heat 1, 1—Florida State 1:37.34, 2—Kentucky 1:38.19, 3—Eastern Illinois 1:39.79, 4—Bowling Green 1:41.00, 5—Iowa 1:41.34; Heat 2, 1—Houston 1:37.81, 2—Adelphi 1:38.32, 3—UTEP 1:38.65, 4—Georgia 1:38.81, 5—Michigan 1:42.35; Heat 3, 1—Temple 1:39.04, 2—Tennessee 1:39.22, 3—Wisconsin 1:40.21, 4—UNLV 1:40.95, 5—Arizona State 1:41.36, 6—Texas A&M 1:41.50.

**FINAL**, 1—Florida State (Garcia-Payne-Bennett-Givens) 1:36.88, 2—Adelphi (Fearon-Innes-Gillard-Griffith) 1:37.55, 3—Houston (Clarey-Ibarqam-Mastin-Jefferson) 1:37.73, 4—Tennessee (Fitzgerald-Sherrill-Barksdale-Hinen) 1:37.82, 5—Kentucky (Barber-Browning-Browning-Richardson) 1:38.49, 6—Temple (McDavid-Boone-Whickell-Jackson) 1:41.6(h).

**4x400 Relay**

This is the race that determined the team champion and that ingredient added to the excitement of this always exciting race. Times in the trials were swift as Old Dominion covered the 1600m in 3:43.47 only good for a fourth place finish!

In the final, everyone anticipated a real battle by the anchor runners. This group included Merlene Ottey (Nebraska), June Griffith (Adelphi), Robbin Coleman (Texas), Delisa Walton (Tennessee), Jeanne Brown (UTEP) and Mauta Payne (Florida State). The happenings en route, however, eliminated Ottey from the final leg excitement, but everyone else went at it. And when it was all over, it was June Griffith with a blazing 51.75 clocking who led her Adelphi team to victory in a very fast 3:37.28. Texas was next only a half

second back and Tennessee, in third, had the same time.

**Heat 1**, 1—Tennessee 3:41.65, 2—Penn State 3:45.06, 3—Arizona State 3:45.06, 4—Eastern Illinois 3:47.27, 5—Florida 3:48.56; **Heat 2**, 1—Nebraska 3:41.05, 2—UTEP 3:41.89, 3—Florida State 3:42.12, 4—Old Dominion 3:43.47, 5—Virginia 3:46.57; **Heat 3**, 1—Adelphi 3:41.65, 2—Temple 3:44.32, 3—Indiana 3:47.26, 4—Rutgers 3:47.30, 5—East Tennessee State 3:48.82.

**FINAL**, 1—Adelphi (Fearon-Innis-Gilliard-Griffith) 3:37.28, 2—Texas (Etienne-Lewis-Sherfield-Coleman) 3:37.88, 3—Tennessee (Sherrill-Rattray-Clark-Walton) 3:38.88, 4—Florida State (Moss-Wright-Golden-Payne) 3:40.57, 5—UTEP (Biggers-Reese-Haynes-Brown) 3:43.86, 6—Nebraska (Murray-Essington-Zagics-Otley) 3:47.20.

#### 4x800 Relay

Wisconsin, well known for their distance power, and Nebraska, not so well known for their distance power, staged a ding-dong war in the 4x800 with the Easterners finishing in front by 37 one-hundredths of a second. Wisconsin got even running from their foursome with clockings of 2:12-2:13-2:10-2:10. Virginia's Jill Haworth covered her leg in 2:07.2 as her team lost all chances for a win in the second and third legs which were covered in 2:14 and 2:16. Hurdler Tammy Etienne of Texas opened with a 2:11 leg for her school and while it didn't win the race for Texas, such running certainly isn't going to hurt her hurdle time later on.

**FINAL** (race run in two sections, places awarded by time), 1—Wisconsin (Beischel-Brunner-Brewster-Spaltholz) 8:44.26, 2—Nebraska (Essington-Kramer-Schubarth-Stricker) 8:44.63, 3—Villanova (Shea-Maree-Bradley-Whitfield) 8:47.02, 4—Texas (Etienne-Morell-Anderson-Coleman) 8:48.65, 5—Virginia (Scruggs-Nicholson-Schmitt-Haworth) 8:48.83, 6—Georgetown (Cashen-Small-Sincero-Mullen) 8:54.18, 7—Penn State (Fales-Murnane-Startare-Rawe) 8:56.39, 8—Iowa 8:57.94, 9—Oklahoma 8:58.40, 10—Florida 9:19.00, 11—Wyoming 9:22.0(h).

#### Distance Medley Relay (800-400-1200-1600)

Although individual events suffered because of all the relays in this championship meet, the relays turned out to be the high spots with big names showing up all over the place. Iowa State easily won the first section with Wren Schafer, Sumetia Wells, Diane Vetter and Chris McMeekin. McMeekin ran a near perfect race and pace with laps of 62.5-62.5-66.0-63.6 and a total time of 4:54.6. Jennifer Whitfield of Villanova led after the first leg with a 2:10.8 clocking, but Iowa State took over and was never headed. The second section saw the best competition as Wisconsin took command. Sue Spaltholz and Pam Moore covered the first two legs and Ellen Brewster ran 3:32.5 for her 1200 to give Suzie Houston a big lead. However, Houston ran a 'reverse' race with laps of 67.0-73.5-77.0-80.0 for a 4:57.5 and finished fourth in the section and sixth overall as Virginia came from behind with a 4:44.4 1600 from Jill Haworth.

**FINAL** (race run in two sections, places awarded by

time), 1—Iowa State (Schafer-Wells-Vetter-McMeekin) 11:24.04, 2—Virginia (Scruggs-Brown-Nicholson-Haworth) 11:26.80, 3—Michigan State (Sedwick-Brown-Pewe-Spatz) 11:30.60, 4—Penn State (Fales-Hart-Startare-Rawe) 11:32.47, 5—Oklahoma (Sames-Moore-Bjelland-Cathey) 11:32.56, 6—Wisconsin (Spaltholz-Moore-Brewster-Houston) 11:36.03, 7—Villanova 11:38.83, 8—Kentucky 11:40.58, 9—Iowa 11:47.97, 10—Georgetown 12:04.91, 11—Kansas State 12:04.91, 12—Missouri 12:26.46.

#### High Jump

No doubt that the high jump has seen the biggest mass improvement of any event in recent years, not only in the United States, but throughout the world — thanks to Dick Fosbury and his 'flop'. Twelve jumpers were still in the competition with the bar at 5'10 and a clearance of that height by Betioli and Hayden brought them zilch in the placings. Colleen Reinstra looked very good winning at 6'3¼ and had a couple of decent attempts at 6'5. Nebraska's Sharon Burrill managed 6'0½ for the second spot and three others were over 5'11¼ including Georgia's Dale Wallace who looked terrible at 5'7 and 5'8 but jumped like a champion at higher heights.

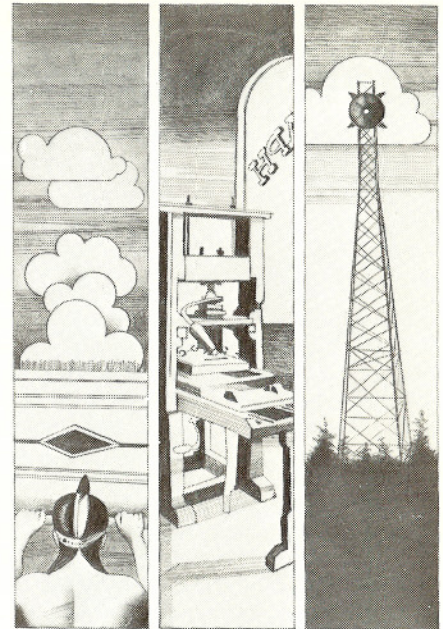
**RESULTS**, 1—Colleen Reinstra (Ariz. St) 6'3¼, 2—Sharon Burrill (Nb) 6'0½, 3—Edith Childress (Ky) 5'11¼, 4—(tie) Anne Erpenbeck (Drake) and Dale Wallace (Georgia) 5'11¼, 6—Peggy Stewart (Vil) 5'10, 8—(tie) Maria Betioli (BYU) and Ellie Hayden (E. Mich) 5'10, 10—(tie) Joan Brochhaus (Wis), Karen Krawiec (Penn St), Patsy Walker (Houston) and Anneke Madandane (UTEP) 5'9, 14—(tie) Renee Nickles (Ok), Sally McCarthy (Ok) and Inge-Lisa Christensen (Ohio St) 5'7¼, 17—Cathy Seybold (Nb) 5'5¼.

#### Long Jump

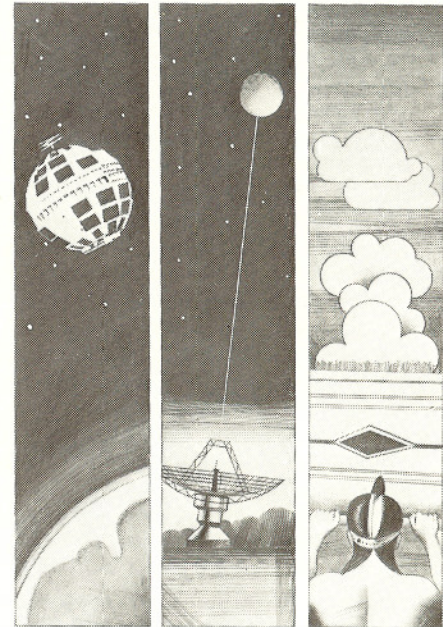
An exciting event and an important one in determining the team champion. There was a feeling that the long jump facility, with the runway and pit close to the north wall, would not produce the best jumping by the athletes. How wrong this thought was! How long has it been since a 20 foot jump did not score a point in a collegiate meet in the US? That was the fate of Eastern Illinois' Gayle Brandon who leaped 20'1¾ and wound up in seventh place!

The lead changed hands several times over the last two rounds and on her fifth try, Pat Johnson went into the lead with a jump of 6.32/20'8¾. On her final attempt, Florida State's Esmeralda Garcia, who took up this event only this year, leaped to a lifetime best of 6.33/-20'9¼ to boost Florida State's title hopes as teammate Alice Bennett was resting in fourth at 20'4. Defending champion Pat Johnson was the last jumper and took her time before powering down the runway. Johnson put it all together at 6.40/-21'0 for the victory and kept her team's hopes alive. This was Johnson's best-ever jump, beating her old record of 20'1½ set last year and she remains as #5 on the All-

(continued on page 14)



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# Jarmila Kratochvilova — World Records at 30

By Ivan Berenyi from "Athletics Weekly"

It was to the utter surprise of all, including her compatriots, that Czechoslovakia's veteran Jarmila Kratochvilova (29) split the very strong East German pair, beat the Russians and captured a shock silver in the women's 400m final of the Moscow Games in a — for her — seemingly quite unbelievable time of 49.46. She even committed the sacrilege of gaining in the home stretch on the queen of the event, Marita Koch! A late developer by any account, the redoubtable Jarmila, written off many a time during her long-stagnating career, came good in the Lenin Stadium and could not have chosen a better place or time to do so even if she had angels guiding her.

The leadership of the Czechoslovak Athletic Association, reduced to prayers in the wake of their prime medal prospect, Helena Fibingerova, having to withdraw injured, apparently came pretty close to believing in angels, but Jarmila's pragmatic coach, Miroslav Kvac, had a more down-to-earth explanation.

"Jarmila trained like never before throughout the winter and the pre-Olympic season, and had all the massive effort failed to produce dividends I would no longer be able to claim to know how much a one-lapper has to work for a world class time," he said after Moscow. "The 50.51 she achieved in early July indicated that she was coming along, but it was still just an interim result, and I knew that she would improve even more by Moscow."

Unused to attention from the media, and pretty taciturn by nature in any case, Kratochvilova herself said little following her marvellous result. She was, very clearly, virtually dumbfounded by the sudden emergence into the limelight and, displaying every sign of stage-fright, withdrew into a shell. Hitherto unsung, she was finding it hard to adjust to her new-fangled world stature.

Jarmila Kratochvilova was born on January 26, 1951 in Caslav, and it was as a sprinter that she embarked on a track career somewhat belatedly, at the age of 18. Having searched for a successor to one-time sprint ace Eva Gleskova for years, Prague athletic circles were soon convinced they had found a world-class replacement in Jarmila, who appeared to have all the attributes needed.

But although Jarmila has always worked hard under the capable direction

HORSTMULLER PHOTO



KRATOCHVILOVA

of Coach Kvac and was a strong No. 2 to Gleskova in the latter's final years at the 100m and especially the 200m, she proved unable to fulfill her sprint promise. Kratochvilova was topping the domestic ratings in both events, and was a useful member of her country's international match squad, but she never blossomed into international stardom and remained among the also-rans in the major competitions.

Discouraged by her inability to break into the big time, Kratochvilova contemplated retirement on at least three occasions, while also half-heartedly considering a conversion to one-lap racing. Her first recorded time for the 400 was 60.2 in 1971. She improved to 55.0 the following year, but was unable to better that over the ensuing three seasons. Tired of merely dabbling in the event, and of achieving a string of mediocre results, Jarmila took the event more seriously in 1976, the year of the Montreal Games, and the result was a personal best of 53.1.

During the winter of 1976/77, Coach Miroslav Kvac and Jarmila Kratochvilova apparently jointly decided to switch attention to the 200/400 combination instead of the previous emphasis on the two sprints and the 4x100 relay. As an immediate result, she finished sixth in the 400 at the 1977 European Indoor Championships in 53.95, chalking up her first big-trophy placing. Her fastest time of 53.3 for the year remained, nonetheless, outside her best.

Finishing sixth in the Euro-indoors is a modest enough reward for a nine-year track career, but it was something at last — a glimmer of hope to provide a modicum of new motivation. With the European Championships scheduled to take place on home soil, in Prague, the following year, Kratochvilova finally converted to the 400, which was to be her main event from the winter of 1976/77 onwards. She also became a high school PE teacher, having concluded her studies.

In the Prague Europeans, Kratochvilova entered two events — the 400 and the 4x400 relay, where she ran the first leg. In the individual race, she qualified for the semis, finishing 4th in her heat with 53.33, but there she made only 7th with 53.93 and was duly eliminated. In the relay, she marshalled the Czechoslovak team to 6th place in the final.

Earlier in the 1978 season, Jarmila improved her 400 time to 51.09, a national record, with which she was to place 9th on the year's world list. Furthermore, she also ran 51.10, and a national record of 23.50 for the 200. She was expected by her compatriots to mature to world status in both events in the coming pre-Olympic year.

The season-opener was not bad, because Jarmila finished a close runner-up to Verona Elder (51.80-51.81) in the 1979 Indoor Europeans at 400, and also ran an electronically timed world indoor best of 23.19 for 200. The main season did not quite work out as anticipated, although the Czech girl did improve her 200 national record to 23.46, and also ran 11.57 for the 100 and 51.47 for the one-lap, placing 13th on the year's world list.

Geared to peaking in Moscow, Jarmila nonetheless achieved two notable results before the Games in 1980, improving her 200 time to 22.80, and her 400 to 50.51 in the Rosicky Memorial race in Prague on



*Kratochvilova wins European indoor 400 over Natalia Botchina (USSR) and Verona Elder (GB).*

July 8th. With those results, she placed 10th and 4th in the pre-Olympic form guides.

Kratochvilova was nominated for both events in Moscow, but scratched from the 200 heats. No one expected her — save for Czechoslovak officials, who were hoping against hope — to get a medal in the 400, despite her 4th ranking behind Marita Koch (49.15), Irina Bagryantseva-Nazarova of the USSR (50.11) and Christine Brehmer-Lathan (50.39).

This was hardly surprising, since the GDR pair of Koch and Lathan were odds-on favorites for the gold and silver, and only the Soviets — and Irena Szewinska by some romanticists — were considered capable of challenging Lathan for the No. 2 spot. Even with the hosts' Maria Kulchunova, who went sub-50 twice in 1979, out of the reckoning due to injury, it was universally thought that at least two of the Russians would finish ahead of the Czech girl.

Views were modified somewhat in the wake of the heats, where Kratochvilova powered to a 51.04 win in front of a coasting Koch, but her third place in the semis, behind Lathan (50.16) and Nazarova (50.18) with 50.79, confirmed for many that she would not get below the 50 second mark in the final and would have no chance to finish higher than a career-crowning 5th or 6th.

On the day, it turned out otherwise, of course. Kratochvilova, in lane 6, was clearly eclipsed at the half-way stage by

Koch, who herself in lane 4, had already made up the stagger; but Jarmila came off the final bend as a firm second, rejecting Lathan's challenge and gaining even on Koch (48.88).

There was much post-race speculation along 'what of' lines concerning the Russians' slow start, with suggestions flying that the wards of coaches Nikolay Politiko and Valentin Chistyakov 'blew' the final — borne out to some extent by the hosts' 4x400 relay win, in the course of which Nina Zyuskova clocked 49.7 and Nazarova a 48.8 anchor. There is little doubt that the Soviet pair had the potential to go sub-50 in the final, but could they have posed a valid threat to Kratochvilova, who was romping home like a freight train, indicating ample untapped reserves? Probably not, because July 28th was her day, when everything went right for her.

Jarmila also proved in the post-Olympic season what a vastly-improved athlete she had become overall. National records fell like snowflakes as she turned her attention to the sprint events. She improved the 200 record out of all recognition on August 16th with 22.53, which placed her 17th on the world list. Kratochvilova tackled the shorter sprint next day and broke Eva Gleskova's 18-year-old record with 11.43.

Subsequently, on August 24th, she also ran a hand-timed 11.0 for the 100 and 49.5 for 400 the same day, confirming the firm No. 2 position she gained on the year's

world list with her Moscow 49.46. Her mind-boggling 1980 season came to an abrupt stop three days later. The cause was tendon injury, sustained in the course of running a hand-timed 11.3, where she was forced to limp the last few meters.

Jarmila Kratochvilova, the girl who had been trying her best for so long without success, unequivocally proved the old maxim that an athlete of potential should never give up. Twelve years of hard training, hoping in vain, paid off for her suddenly last year when she hit the jackpot.

And that wasn't her last word, for this winter — now turned 30 — she has been setting the indoor tracks alight. She began with a 51.02 400 on the 340m circuit at Jablonec on January 17th (Koch's world indoor best stood at 51.24) and then on a regulation 200m track in Vienna on January 28th she clocked a stunning 49.64 — and, for good measure, a world indoor 200 record of 22.76 also!

Jarmila Kratochvilova, born on January 26, 1951, is 1.70/5'7" tall and weighs 64kg/141 lb. Her annual progression at 400:

1971	60.2	1977	53.3
1972	55.0	1978	51.09
1973	56.0	1979	51.47
1974	55.5	1980	49.46
1975	57.4	1981	49.64i
1976	53.1		

WTW

# Tuija Helander at BYU

Now that the outdoor track season is here, things are looking up for Finnish hurdler Tuija Helander.

The 5-9 freshman newcomer to BYU's women's track and field team — punished all winter by the hard track in the Smith Fieldhouse — has found relief in the spongy Chevron lanes at the Cougar stadium.

"In the winter at home, I always run on snow," she says. "I'm not used to running on a hard surface like the Smith Fieldhouse track."

But coming from a nation that takes track and field seriously, Tuija is determined to overcome any obstacle in the chase of her goal to compete in the 1984 Olympic Games.

And for the first time in her career, she is training and competing outside her homeland for an extended period of time. A native of Kautuua, Finland, Tuija has

already been dubbed by BYU Coach Craig Poole as a "workhorse" for the Cougar team — a hard-striving, versatile athlete. Poole considers her prospects rosy.

Winner of 15 national championships in the hurdles, Tuija holds the Finnish national record of 57.84 in the 400m hurdles.

"Because track and field is the number one sport in Finland, the meets there attract large crowds — much like the crowds at football and basketball games in the United States," she says. "The biggest meets are those between Finland and Sweden."

Starting her athletic career at age six in cross country — progressing to gymnastics, tennis and basketball — Tuija settled on hurdling while under the tutelage of her uncle, Jukka Helander, coach of a sports club in her hometown.

Her string of hurdling victories won

her a spot in the Finnish national team and a ticket to compete in many countries, including China and Japan last year. She has finished second in several international meets, but has yet to claim a first.

The hard track in the fieldhouse aside, Tuija is comfortable at BYU.

"The training facilities are excellent compared to those in my hometown," she says. "And the people here are friendly. I like Coach Poole and Coach (Pat) Shane because I feel they care about me. I like them because I can talk to them any time."

And not least for her comfort, Tuija says that because several other athletes from Finland attend BYU, "It's like having a small Finnish community here."

WTW

## AIAW INDOOR (continued from page 11)

Time US List. North Texas State's Donna Thomas moved onto the US List with her leap of 20'7 into #8 position.

**RESULTS,** 1—Pat Johnson (Wis) 21'0 (#5 US), 2—Esmeralda Garcia (Fl. St) 20'9¼, 3—Donna Thomas (N. Tx. St) 20'7 (#8 US), 4—Alice Bennett (Fl. St) 20'4, 5—Pam Donald (Stanford) 20'3, 6—Ann Meacham (E. Mich) 20'2½, 7—Gayle Brandon (E. Ill) 20'1¼, 8—Kathy Rankin (Ga) 19'11, 9—Vivian Riddick (Penn St) 19'6, 10—Sharon Moultrie (Tx. Tech) 19'5½, 11—Becky Kaiser (Ill) 19'4, 12—(tie) Ester Otieno (UTEP) and Elizabeth Miller (Ore) 19'3½, 14—Halcyon McKnight (Kan) 19'3¼, 15—(tie) Tonya Brown (Fl. St), Lisa Anne Staton (NC) and Robin Taylor (Old Dominion) 18'11¼, 18—Lorrie Thornton (Mich) 18'8¼, 19—Rene Rochester (Tx) 18'5¼, 20—Sharieffa Barksdale (Tn) 18'3¼, 21—Dawn Mann (Ind) 18'1¼, 22—Jeanette Williams (Ind. St) 17'7½, 23—B. J. Eldridge (Wyoming) 17'0¼.

### Shot Put

The day before the meet began, Arizona's Meg Ritchie stepped into the shot put circle and took a standing throw — which ended up more than 55 feet from the toe board. She did it again on Saturday with a full action and won at 55'2¼ in a competition which must be classed as the most competitive ever in collegiate ranks. A mark of over 51 feet did not place! Unfortunately for the USA, only one of the top seven place winners was an American, but that lone freshman showed much potential. Penn State's Elaine Sobansky had her lifetime best with a throw of 52'9 for fifth place and

became the #4 thrower on the US All-Time List.

Ritchie, from Great Britain, had to be at her best as Maryland's Marita Walton was right behind her with her best-ever toss of 54'4. Walton is from Ireland. Norway's Cecil Hansen, competing for Oklahoma, was next with 53'10½ and she was followed by Canada's Rose Hauch (Tennessee) at 53'2½. Placing behind Sobansky was Holland's Ria Stalman (Arizona State) at 51'5¼ and a non-scoring seventh was Great Britain's Cindy Crapper (Kentucky) at 51'0¼. Northeastern's Sandy Burke was also over 50 feet in eighth place at 50'9.

**RESULTS,** 1—Meg Ritchie (Ariz) 55'2¼, 2—Marita Walton (Tn) 54'4, 3—Cecil Hansen (Ok) 53'10½, 4—Rosemary Hauch (Tn) 53'2½, 5—Elaine Sobansky (Penn St) 52'9 (#4 US), 6—Roa Stalman (Ariz. St) 51'5¼, 7—Cindy Crapper (Ky) 51'0¼, 8—Sandy Burke (Northeastern) 50'9, 9—Ramona Pagel (CSLB) 49'9¼, 10—Nini Davis (St. John's) 49'1¼, 11—Lisa Ferry (Houston) 49'1, 12—Carol Cady (Stanford) 48'10¼, 13—Annie McElroy (CSLB) 48'3¼, 14—Deborah Moore (Ohio St) 46'10¼, 15—Sharon Mitnik (Temple) 46'7, 16—Nadine Cox (Ohio St) 46'0¼, 17—Debra Pryor (Ariz. St) 45'11½, 18—Karen Wood (Nb) 45'3¼, 19—Sharon Lotmore (Fl) 44'9¼, 20—Jo Beth Palmer (Tx) 44'7¼, 21—Janice Stucky (Kan. St) 44'2¼.

### Pentathlon

Houston's Patsy Walker won only one of the five events, but put together a strong pentathlon performance to record 4215 points, best in the US this year and

take the AIAW all-around title. The former UCLA star looked very strong as she high jumped 5'10½ and was high in all events except the long jump. Virginia's Susan Brownell was next with 4131 as Utah State's Wendy Limbaugh, a member of the US International team, was injured and forced to withdraw. Tennessee's Myrtle Chester (Guyana) showed good versatility as she was tops in the hurdles and 800 but she was far from her best in the high jump. If the shot could be eliminated from the pentathlon, Chester might be the champion!

**RESULTS,** 1—Patsy Walker (Houston) 4215 (8.62-39'8¼-5'10½-18'6-2:20.64), 2—Susan Brownell (Va) 4131 (8.70-37'8½-5'8¼-18'8½-2:19.11), 3—Juanita Alston (Md) 4060 (19'4¼), 4—Nancy Kindig (Nb) 4001 (41'6), 5—Myrtle Chester (Tn) 3942 (8:54-2:15.97), 6—Kim Hagger (Kan. St) 3781, 7—Nancy Seybold (Nb) 3688, 8—Vivian Estes Echavarría (BYU) 3463.

**SCORES,** 1—Virginia 48, 2—Florida State 46, 3—Tennessee 46, 4—Nebraska 45, 5—Wisconsin 41, 6—(tie) Michigan State, Oklahoma 23, 8—Houston 20, 9—Arizona 19, 10—Adelphia 18, 11—(tie) Penn State and Boston University 16, 13—Maryland 15, 14—North Texas State 14, 15—Villanova 13, 16—(tie) UTEP and Texas 12, 18—(tie) Iowa State and Arizona State 11, 20—(tie) Stanford, Harvard, Farleigh Dickinson, Richmond and Idaho 10, 25—Kentucky 8, 26—Kansas State 7, 27—UNLV 6, 28—Indiana, 29—(tie) Cornell and Clemson 4, 31—Georgia 3.

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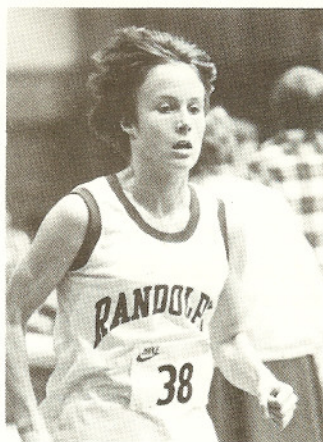


# 1981 High School

All Photos by J...



Gail Saunders (Reading, MA) wins eastern states girls 1000y from Gina Proccaccio (Sun Valley HS) 2:36.53 to 2:36.56.



Kathy Good (Randolph, MA) 2:37.9 (1000y).



Lisa and Lesley Welch (Peabody HS, MA) 9:42.44 (3000). Lesley 4:51.84 (mile), 9:30 (1000y).



Donna Neil (Oak Mills, Maryland) 1:23.96 (600y)

★  
1  
9  
8  
1  
★



Wanda Vereen (Trenton Central, NJ) 7.11 (60y).



Rose Gilmore (Reading, PA) 7.19 (60y).



Janet Tracy (Highland Park, NJ) 8.10 (60y H).



Laurie Glynn (Winchester, MA) 1:23.96 (600y).



Lisa Welch and...

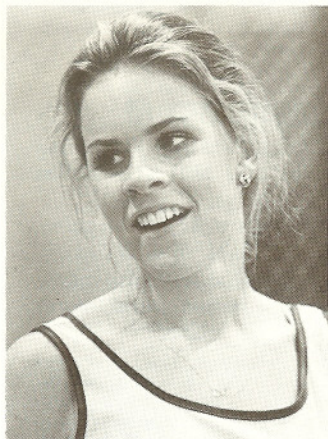
# Pool Indoor Stars



by Jeff Johnson



Lisa (Greenwich, CT) ran 4:49.84 (mile) and 9:30.98 (3000) and 10:19.14 (two mile).



Ceci Hopp (Greenwich, CT) 4:32.24 (1500), 4:45.09 (mile) 9:33.19 (3000), 10:23.44 (two mile).



Holly Murray (Plymouth, Whitemarsh, MA) 10:41.81 for two miles.



Shelly Bailey (Woodbury, NJ)



Gail Bryant (Columbia HS, Maplewood, NJ) 1:22.76 (600y).

★  
1  
9  
8  
1  
★



Maxine Underwood (Brookline, MA) 34.84 (300y), 54.34 (400), 1:15.00 (500y) 1:25.64 (600y).



Lisa and Ceci Hopp.



Adrienne Dixon (Brighton, MA) 1:22.58 (600y).



Tracey Nelson (Plainfield, NJ) 7.09 (60y) and 8.21 (60y H).

# Indoor Results - Indoor Results

## Eastman Invitational

Johnson City, Tennessee, January 9/10 — Excellent early season performances were the rule at the well-staged Eastman Invitational. Tennessee sped the 4x440 in 3:40.05, a mark better than the collegiate record of 3:41.5; Margaret Groos won a speedy early season mile; Chandra Cheeseborough showed she is still one of the Queens of the collegiate sprint world; Brenda Webb was under 10 minutes for the two mile; Rose Hauch was over 51 feet in the shot.

RESULTS: **HJ**, 1—Edith Childress (Ky) 5'10, 2—Jalene Chase (Md) 5'8; **SP**, 1—Rose Hauch (Tn) 51'6¼, 2—Denise Wood (Knox TC) 49'4¼, 3—Cindy Crapper (Ky) 47'3¼, 4—Carol Cady (Stanford) 46'0, 5—Susan Thornton (Tn) 45'6½, 6—Sheila Halsey (ETSU) 44'5¼; **60yH**, 1—Gayle Watkins (Un) 8:00 (7.94h), 2—Judy Thomas (Ky) 8:26 (8.25h), 3—Tanya Love (Ky) 8:32, 4—Myrtle Chester (Tn) 8:34 (8.23h); **2M**, 1—Brenda Webb (Ath. West) 9:53.20, 2—Kim Schnurpfel (Stanford) 10:01.89, 3—Ellen Lyons (Stanford) 10:22.40, 4—Kim Bird (ETSU) 10:28.60, 5—Betty Springs (NC St) 10:31.98, 6—Ellen Hornberger (Tn) 10:32.72; **880**, 1—Delisa Walton (Tn) 2:08.69, 2—Dorianne Lambert (Cornell) 2:10.06, 3—Helen Blake (TSU) 2:10.37, (Robin Campbell won heat in 2:12.69, did not run final); **440**, 1—Lisa Garret (Va) 55.03, 2—Ernestine Davis (TSU) 55.74, 3—Judy Pollion (TSU) 56.02; **60y**, 1—Chandra Cheeseborough (TSU) 6.89 (6.88s), 2—Cereella Moore (Ok) 7.12 (6.96h), 3—Leola Toomer (Md) 7.13 (7.00s), 4—Brenda Brown (Va) 7.13 (7.08h); **Mile**, 1—Margaret Groos (Va) 4:44.75, 2—Kim Schnurpfel (Stanford) 4:45.81, 3—Jill Haworth (Va) 4:47.30; **4x440**, 1—Tennessee 3:40.05, 2—Tennessee State 3:41.12, 3—Stanford TC 3:46.95.

## Golden Track Shoe Invitational

Madson, Wisconsin, February 14 — University of Wisconsin relay teams turned in three fine performances as the Badgers grabbed most of the headlines at their own Golden Shoe Invitational. Wisconsin relay times were 1:40.34 for the 4x220, 8:50.94 for 4x880 and 3:49.81 for 4x440. Wisconsin's Suzie Houston had a good 1500 and teammate Pat Johnson a good hop in the long jump.

RESULTS: **5000**, 1—Cheryl Konkel (UW/Milwaukee) 17:00.74, 2—Wendy Burman (UW/Parkside) 17:10.34, 3—Darcy Tomlinson (W. Mich) 17:15.25, 4—Sally Zook (Wis) 17:30.29; **4x220**, 1—Wisconsin (Jackson-Johnson-Winski-Johnson) 1:40.34, 2—Western Michigan 1:45.70; **1500**, 1—Suzie Houston (Wis) 4:31.10, 2—Rose Thompson (Wis) 4:31.99; **400**, Pam Moore (Wis) 55.80; **60m**, Judy Winski (Wis) 7.71; **800**, Sally Sleson (W. Mich) 2:13.94; **60mH**, 1—Kathy Borgwarth (Wis) 8.62, 2—Amy Dunlop (Wis) 8.80; **600m**, 1—Karen Arnold (W. Mich) 1:36.99, 2—Mary Mulrooney (Wis) 1:37.51; **LJ**, Pat Johnson (Wis) 20'8; **300m**, 1—Robin Jackson (Wis) 39.27, 2—Pam Moore (Wis) 39.92, 3—Amy Dunlop (Wis) 40.50; **4x880**, Wisconsin (Beischel-Brunner-Brewster-Spatholz) 8:50.94; **SP**, Shu Quereshi (Wis) 42'10¼; **HJ**, Joan Brockhaus (Wis) 5'10; **3000**, 1—Mary Stepke (Wis) 10:06.71, 2—Francine Ostrem (Wis) 10:07.20; **4x440**, Wisconsin (Dunlop-Spatholz-Jackson-Moore) 3:49.81.

## Illinois Invitational

Champaign, Illinois, February 14 — Chris McMeekin (mile and 600) and Karen Wechsler (60 and hurdles) were double winners at the Illini Invitational staged at the Illinois home track in Champaign. Nearly every event produced good marks and the pentathlon provided fine scores for the top four competitors.

RESULTS: **DisMed**, 1—Kentucky 11:30.8, 2—Purdue 12:08.4; **Mile**, 1—Chris McMeekin (Iowa St) 4:45.7, 2—Marianne Dickerson (Iowa) 4:51.3, 3—Diane Vetter (Iowa St) 4:55.5; **1000y**, 1—Marie Simonsson (Drake) 2:35.41, 2—S. Eaton (Bowling Green) 2:37.87, 3—Lisa DeLapp (W. Ill) 2:38.99; **HJ**, 1—Anne Erpendeck (Drake) 5'11, 2—Melinda Morris (W. Ill) 5'11; **LJ**, 1—Becky Kaiser (Ill) 19'6¼, 2—Kim Gowan (Spring St) 19'0¼; **SP**, 1—Cindy Crapper (Ky) 48'4¼, 2—Rhea Rogers (Ill) 44'8¼, 3—Victoria Gay (W. Ky) 44'6¼; **60m**, 1—Karen Wechsler (Ind) 7.58, 2—Fitzpatrick (Ind. St) 7.60, 3—Becky Kaiser (Ill) 7.64; **60mH**, 1—Karen Wechsler (Ind) 8.35, 2—Sherry Agee (THTC) 8.63, 3—Lena Spoff (Purdue) 8.72; **2M**, 1—Liz Hjalmarsson (Drake) 10:28.0, 2—Becky Cotta (Purdue) 10:29.4, 3—Rolland-Miller (Un) 10:37.2; **600y**, 1—Chris McMeekin (Iowa St) 1:22.36, 2—Kathy Pannier (Ill) 1:23.94; **300y**, 1—Stephens (E. Ill) 35.61, 2—Jackson (Ill) 35.91; **4x440**, 1—Eastern Illinois 3:51.3, 2—Iowa State 3:52.5; **Pentathlon**, 1—Childress (Ky) 3596, 2—Wacaser (Ill) 3499, 3—Adams (Iowa St) 3498, 4—Singer (Ind. St) 3402.

JEFF JOHNSON



Brenda Webb and Cathie Twomey

## Wisconsin Big 10 Championship

Champaign, Illinois, February 20/21 — Wisconsin won the Big Ten Indoor title to keep its record of never having lost a Big Ten championship, but it wasn't as

easy this time around. The Badgers won by 24 points over a stubborn Michigan State club, 126-102 as both institutions won five events. Wisconsin's margin of victory came through its large squad which picked up points back in fifth and sixth positions.

Michigan State's Pam Sedwick turned in the best performance of the competition when she won the 600y in 1:20.80, a mark which moves her to the #5 position on the All-Time US List and the #6t on the World List. Wisconsin's Sue Beischel was nearly four seconds behind in second place. Iowa's Nan Doak won the three mile in 16:14.78 just a few steps ahead of MSU's Jill Washburn (16:14.85), and their marks move them onto the All-Time US List in number nine and ten positions.

Only double winner was Michigan State's Kelly Spatz who turned in good marks as she won the one and two mile runs in 4:49.56 and 10:15.42. So tough was the competition in 1981 that only one Big Ten or Armory record was not broken — the long jump. Rose Thompson, Wisconsin's Kenyan distance ace, wound up with two sixth place finishes and Ohio State's Stephanie Hightower did not compete.

RESULTS: **2M**, 1—Kelly Spatz (MS) 10:15.42, 2—Nan Doak (Iowa) 10:20.93, 3—Judy Parker (Iowa) 10:24.25, 4—Karen Campbell (MS) 10:26.34, 5—Suzie Houston (Wis) 10:29.45, 6—Rose Thompson (Wis) 10:32.80; **4x880**, 1—Wisconsin (Beischel-Brunner-Brewster-Spatholz) 8:57.16, 2—Iowa 9:00.55, 3—Michigan 9:04.19, 4—Indiana 9:04.70; **LJ**, 1—Pat Johnson (Wis) 20'2¼, 2—Dawn Mann (Ind) 19'2¼, 3—Becky Kaiser (Ill) 18'11¼; **4x1L**, 1—Wisconsin (Jackson-Dunlop-Winski-P. Johnson) 2:01.0, 2—Michigan State 2:01.4; **SP**, 1—Nadine Cox (Ohio St) 47'9¼, 2—Deborah Moore (OS) 45'8¼, 3—Delores Bennett (MS) 45'5¼, 4—Shu Quereshi (Wis) 45'1¼; **Mile**, 1—Kelly Spatz (MS) 4:49.56, 2—Suzie Houston (Wis) 4:50.95, 3—Marianne Dickerson (Ill) 4:53.20, 4—Lisa Larsen (Mich) 4:53.67, 5—Penny O'Brien (Iowa) 4:53.72, 6—Rose Thompson (Wis) 4:58.43; **60mH**, 1—Karen Wechsler (Ind) 8.25, 2—Kim Willis (OS) 8.61, 3—Lena Spoff (Pur) 8.63; **440**, 1—Pam Moore (Wis) 56.59, 2—Judi Brown (MS) 56.77; **600**, 1—Pam Sedwick (MSU) 1:20.80, 2—Sue Beischel (Wis) 1:24.51; **60m**, 1—Cheryl Gilliam (MS) 7.54, 2—Karen Wechsler (Ind) 7.63, 3—Catherine Sharp (Mich) 7.65, 4—Becky Kaiser (Ill) 7.68; **800**, 1—Suzanne Frederick (Mich) 2:08.95, 2—Sue Spaltholz (Wis) 2:09.60, 3—Ellen Brewster (Wis) 2:10.05, 4—Kay Stormo (Iowa) 2:11.40; **300y**, 1—Robin Jackson (Wis) 35.31, 2—Cheryl Gilliam (MS) 35.79, 3—Pam Moore (Wis) 36.00; **HJ**, 1—Inge-Lise Christensen (OS) 5'10, 2—Joan Brockhaus (Wis) 5'10, 3—Lisa Plummer (Ill) 5'8¼; 4—Joan Bullard (Mich) 5'8¼; **3M**, 1—Nan Doak (Iowa) 16:14.78, 2—Jill Washburn (MS) 16:14.85, 3—Judy Parker (Iowa) 16:16.63, 4—Lisa Last (MS) 16:22.70; **4x440**, 1—Michigan State (Brennard-Chapman-Brown-P. Sedwick) 3:48.26, 2—Wisconsin 3:48.39, 3—Indiana 3:51.45; **Pentathlon**, 1—Lisa Plummer (Ill) 3595 (9.51-5'7¼-28'0¼-17'5¼-2:25.66), 2—Wacaser (Ill) 3525, 3—Maggie Woods (Pur) 3523, 4—Cheryl Essman (Wis) 3540; **Scores**, 1—Wisconsin 126, 2—Michigan State 102, 3—Iowa 65, 4—Indiana 53, 5—Ohio State 51, 6—Illinois 43, 7—Michigan 39, 8—Purdue 13, 9—Minnesota 4, 10—Northwestern 0.

## Canada Edges U.S.

Pocatella, Idaho, February 22 — Led by Commonwealth pentathlon champion Diane Jones-Konihowski who scored 4477 points, Canada defeated the United States in a 4-person pentathlon duel by a combined score of 16075 to 15897. Marlene Harmon with 4254 points led the Yanks. Harmon downed Konihowski in three of the five events, but the margin of nearly 15 feet in the shot proved too much for the blond American as Konihowski tossed the shot 50' even to 35'6 for Harmon. Konihowski also won the high jump at 5'11¼ while Harmon annexed the hurdles (8.55), long jump 20'2½ and 800 (2:16.48).

RESULTS: 1—Diane Jones-Konihowski (Can) 4477 (8.72-50'0-5'11¼-19'5-2:18.76), 2—Marlene Harmon (USA) 4254 (8.55-35'6-5'7¼-20'2½-2:16.48), 3—Jill Ross-Griffen (Can) 4137 (8.82-35'11-5'6½-19'11-2:17.07), 4—Sue Brownell (USA) 4027 (8.82-36'3-5'6½-19'0¼-2:21.75), 5—Wendy Limbaugh (USA) 3811, 6—Peggy Schafer (USA) 3805, 7—Leslie Estwick (Can) 3782, 8—Debra Deutsch (USA) 3729, 9—Liz McBain (Can) 3679. Scores: Canada 16075, USA 15897.

## Princeton Wins Big Three

Cambridge, Massachusetts, February 21 — Led by their sprint crew and short distance runners, Princeton University easily won the Big Three indoor title with 75 points, far ahead of Harvard's 38 and Yale's 13. Sari Chang led the Princeton group with wins in the long jump (17'10) and 55mH (8.30) plus a third in the 200. Good distance running found Harvard's Darlene Beckford winning the 1500 in a fine 4:28.3 ahead of teammate Debbie Schulte (4:30.7). Beckford also won a slow 400 (57.21).

RESULTS: 3M, 1—Eileen Floring (P) 17:29.4, 2—Melissa Snoot (P) 17:52.39; 1500, 1—Darlene Beckford (P) 4:28.3, 2—Debbie Schulte (P) 4:30.7, 3—Mary Herlihy (H) 4:33.8, 4—Judy Ruff (P) 4:40.5; 800, 1—Debbie Schulte (P) 2:12.00, 2—Eva Anderson (H) 2:14.0, 3—Monica Egbuonu (P) 2:14.9; 200, 1—Jane Bennett (P) 25.51, 2—Patricia Melton (Y) 25.57; 3000, 1—Kristin Linsley (H) 9:40.57, 2—Ellen Gallagher (H) 9:56.4; 4x880, 1—Harvard 9:15.2, 2—Princeton 9:22.0.

## Region 7 Champs

Pocatello, Idaho, February 28 — The University of Texas at El Paso won six individual events and three of the four relays to annex the championship of AIAW Region Seven with 134 points. Brigham Young followed with 106 and Utah State had 100. Best mark of the competition was turned in by Utah State's Nancy Miller as she won the 300m dash in a swift 38.76, the #5 mark on the All-Time

Women's Track World

US List. Runner-up Dorene Haywood of UTEP also was fast and her 39.17 clocking puts her #9 on the list.

RESULTS: 55m, 1—Beatrice Reese (UTEP) 6.97, 2—Carmen Rivers (UTEP) 7.10; 300m, 1—Nancy Miller (Utah St) 38.76 (#5 US), 2—Dorene Haywood (UTEP) 39.17 (#9 US), 3—Kathy Jackson (Idaho St) 39.7; 400, 1—Charmaine Crooks (UTEP) 54.8, 2—Konnie Mackey (Utah St) 56.8; 600m, 1—Jennifer Davidson (BYU) 1:35.40, 2—Gwen White (Utah St) 1:35.89, 3—Sally Rand (Col. St) 1:37.25; 800, 1—Rochelle Collins (UTEP) 2:10.52, 2—Juanita Neff (Wyo) 2:15.56; 1000m, 1—Jacqueline Richards (UTEP) 2:49.26, 2—Stacy Tangren (BYU) 2:53.42, 3—Rita Burr (Air Force) 2:55.95; 1500, 1—Charlene Delventhal (Utah St) 4:42.59, 2—Rita Burr (AF) 4:42.94, 3—Stacy Tangren (BYU) 4:44.06; 3200m (ran extra lap), 1—Tina Ostroot (Idaho St) 10:51.56, 2—Noreen Shea (Utah St) 11:26.96; 5000, 1—Carmen Garduno (Weber St) 17:05.30, 2—Pam Crockett (Utah) 18:11.39; 55mH, 1—Kim Turner (UTEP) 7.86, 2—Paula Allen (Idaho St) 8.18; LJ, 1—Ester Otieno (UTEP) 19'3¼, 2—Lola Rockwell (Weber St) 18'9¼; HJ, 1—Maria Betioli (BYU) 5'10½, 2—Annake Magendans (UTEP) 5'10½, 3—Julie Cosgrove (Idaho St) 5'8¼; SP, 1—Sue Doucette (Idaho St) 45'8½, 2—Betty Bogers (UTEP) 44'1¼, 3—Heather Kuusela (BYU) 44'; Pentathlon, 1—Vivian Echevarria (BYU) 3771, 2—Wendy Limbaugh (Utah St) 3748, 3—Angie Stbblfield (Idaho St) 3456, 4—Wendy Skiver (Utah St) 3421; 4x200, 1—UTEP 1:42.10, 2—BYU 1:46.13; 4x400, 1—UTEP 3:49.48, 2—Utah State 3:54.04, 3—BYU 3:54.80; 4x800, 1—Wyoming 9:09.48, 2—BYU 9:10.99; DisMed, 1—UTEP 11:56.75 (meters), 2—Wyoming 12:03.41; Scores, 1—UTEP 134, 2—BYU 106, 3—Utah State 100, 4—Idaho State 81, 5—Air Force 42, 6—Wyoming 37, 7—Weber State 33, 8—Colorado State 19, 9—Utah 12, 10—Northern Arizona State 1.

## Utah Indoor Championship

Logan, Utah, March 6/7 — Utah State had no trouble winning the Utah Women's Intercollegiate Indoor Track and Field Championships scoring 109 points, more than double runner-up Weber State. Delene Thomas covered 50 meters in a swift 6.5 and Gwen White scored a double in the 800/1000 to lead the Utes.

RESULTS: 50m, 1—Delene Thomas (US) 6.5, 2—Jayne Redd (Weber St) 6.8; 300m, Konnie Mackey (US) 40.8; 800/1000, Gwen White (US) 2:20.2/04.8 3000 Carmen Garduno (WS) 10:13.6; 5000, Noreen Shea (US) 19:00.3; 50mH, 1—Konnie Mackey (US) 7.5, 2—Delene Thomas (US) 7.5, 3—Wendy Skiver (US) 7.6; HJ, Evelyn Jabiles (US) 5'7; SP, Heather Kuusela (BYU) 43'4; Scores, 1—Utah State 109, 2—Weber State 52, 3—Brigham Young 5, 4—University of Utah 0.

## Wisconsin State Championship

Madison, Wisconsin, March 1 — University of Wisconsin athletes dominated the Wisconsin State Indoor Championship affair as Sue Spalholz turned in the best mark with her victory over 1000 meters in 2:51.89. No scores were kept.

RESULTS: 5000, Wendy Burman (UW/Parkside) 17:33.33; 600m, Jenny Miller (Wis) 1:40.80; SP, 1—Sue Quereschi (Wis) 44'9¼, 2—Diane Nordstrom (Wis) 43'4¼; 60m, Amy Dunlop (Wis) 7.87; 1000m, 1—Sue Spalholz

(Wis) 2:51.89, 2—Rose Thompson (Wis) 2:52.26, 3—Suzie Houston (Wis) 2:54.29, 4—Mary Mulrooney (Wis) 3:01.97; Mile, 1—Suzie Houston (Wis) 4:57.94, 2—Mary Stepka (Wis) 4:59.70.

## Illinois State Invitational

Normal, Illinois, February 21 — Karen Roth of the home team, Illinois State, turned in a 3822 pentathlon performance to highlight the Illinois State Invitational and led her team to top honors for the meet with 175 points. Teammate Linda McDuffy with a put of 44'6¼ had the best performance of the day.

RESULTS: 1500, 1—Lisa DeLapp (W. Ill) 4:44.4, 2—Hilda Perez (Ill. St) 4:46.9; 4x220, Illinois State 1:44.0; 600m, Rita Lamb (Ill. St) 1:38.1; 300m, Carol Humphries (NEMO) 40.6; LJ, Patty Jones (W. Ill) 18'3; HJ, Deb Rylas (SIU/E) 5'8; SP, Linda McDuffy (Ill. St) 44'6¼; Pentathlon, Karen Roth (Ill. St) 3822 (8.8-5'3¼-32'7¼-17'11-2:20.6).

## Princeton Ivy League Championship

Ithaca, New York, March 1 — Princeton University won the first-ever Ivy League Indoor T&F Championships by scoring 78 points, 30 more than runner-up Pennsylvania. The New Jersey crew, led by Sari Chang's double in the hurdles and long jump, won four events and picked up enough other places to dominate the competition. Harvard's Darlene Beckford won a fast 800 in 2:07.95 and Yale's Pat Melton annexed the two sprints. Doriane Lambelet (Cornell) won the 1500 in the fast time of 4:27.83.

RESULTS: 55m/LJ, Sari Chang (Pr) 8.26/17'11; 55m/200, Pat Melton (Yale) 7.35/25.81; 800, 1—Darlene Beckford (H) 2:07.95, 2—Doriane Lambelet (Cornell) 2:12.11, 3—Judy Moody 2:13.84; 4x800, 1—Harvard (Linsley-Herlihy-Clabby-Beckford) 9:05.84, 2—Princeton 9:17.0, 3—Penn 9:26.46, 4—Cornell 9:26.58; 4x200, 1—Princeton (Bennett-Chang-Anderson-Booth) 1:44.43, 2—Cornell 1:45.44; 5000, 1—Jane Petrick (Dart) 17:45.59, 2—Judy Damore (Penn) 17:52.92; HJ, Sue Elliott (Cornell) 5'6¼; 400, Rudelle Sargeant (Penn) 57.70; 1500, 1—Doriane Lambelet (Cornell) 4:27.83, 2—Debbie Schulte (Prin) 4:28.45, 3—Kris Linsley (Har) 4:35.20, 4—Mary Herlihy (Har) 4:40.62; Pentathlon, Kim Ritchie (Prin) 3274; 4x400, 1—Cornell (Elliott-Taylor-Moody-Lambelet) 3:52.50; Scores, 1—Princeton 78, 2—Pennsylvania 48, 3—Harvard and Cornell 38, 5—Dartmouth 22, 6—Yale 16.

## Penn State Wins Division I AIAW

Cambridge, Massachusetts, March 6/7 — Penn State, using its distance corp to advantage, won the AIAW Division I Indoor Championships with 69 points over 25 other schools. Although the Penn Staters won only two events, they piled

## INDOOR RESULTS (continued)

up the points in seconds and thirds for their victory.

Best performance, in a meet which had outstanding performances in nearly every event, was turned in by Vermont's Judi St. Hilaire who won the two mile in 9:52.53 to move on the All-Time US List in sixth position and become #8 on the World List. Debra Pavik of Maryland took the three mile in 15:53.1 and moved up to the number four position on the US List. Morgan State contributed some fine marks in their three victories winning the 4x220 in a US record of 1:36.8 and annexing the 60y dash with Nellie Bullock and the long jump with Evalene Hatcher.

**RESULTS:** **3M**, 1—Debra Pavik (Md) 15:53.1 (#4 US), 2—Nancy Seeger (Rut) 16:14.35, 3—Peggy Cleary (Penn St) 16:18.05, 4—Natalie Updegrove (Penn St) 16:37.8, 5—Kathy Warlow (W. Va) 16:46.2, 6—Mary Walsh (Md) 16:49.3; **1Mile**, 1—Mary Rawe (Penn St) 4:43.1, 2—Debbie Schulte (Princeton) 4:47.3, 3—Patricia Walker (Md) 4:48.1, 4—Doreen Startars (Penn St) 4:48.8, 5—Kristin Linsley (Harvard) 4:51.4, 6—Mary Herlihy (Harvard) 4:54.1; **4x220**, 1—Morgan State (Dodson-Page-Belle-Bullock) 1:36.8, 2—Maryland 1:39.3, 3—Temple 1:39.5, 4—Howard 1:40.7; **880**, 1—Darlene Beckford (Harvard) 2:09.8, 2—Doriane Lambelet (Cornell) 2:10.3, 3—Chris Mullen (Gtn) 2:11.0, 4—Penny Fales (Penn St) 2:13.1; **440**, 1—Edna Brown (Temple) 55.18, 2—Cheryl Inniss (Adelphi) 55.61, 3—Tammie Jo Hart (Penn St) 56.50, 4—Galdys Boone (Temple) 56.50; **2M**, 1—Judi St. Hilaire (Ver) 9:52.53 (#6 US/#8 World), 2—Kathy Mills (Penn St) 10:04.65, 3—Debra Pavik (Md) 10:16.64, 4—Judith McCrone (Mass) 10:23.11, 5—Nancy Scardino (NH) 10:24.73, 6—Nina Zollo (Princeton) 10:24.93; **HJ**, Karen Krawiec (Penn St) 5'10"; **SP**, 1—Marita Walton (Md) 51'7", 2—Elaine Sobansky (Penn St) 49'11 $\frac{3}{4}$ ", 3—Onethea Davis (St. John's) 49'8 $\frac{1}{2}$ ", 4—Sandy Burke (NE) 49'4 $\frac{1}{4}$ ", 5—Sharon Mitnik (Temple) 46'7 $\frac{1}{2}$ "; **220**, 1—Nellie Bullock (Morgan St) 24.4, 2—Janet Dodson (Morgan St) 24.6, 3—Ruperta Charles (Howard) 24.7, 4—Deborah Lewis (Md) 24.8; **60yH**, 1—Pat Knight (Rut) 8.21, 2—Julie Smithers (Rut) 8.25, 3—Rochelle Hall (Temple) 8.26; **60y**, 1—Nellie Bullock (Morgan St) 6.8, 2—Marva Fearon (Adelphi) 7.0, 3—Leola Toomer (Md) 7.1 (7.0s), 4—Roberta Belle (Morgan St) 7.1, 5—Vivian Riddick (Penn St) 7.2 (7.0h), 6—Ruperta Charles (Howard) 7.5 (6.9h); **LJ**, 1—Evalene Hatcher (Morgan St) 19'6", 2—Sharon Morris (Conn) 18'9 $\frac{1}{2}$ "; **Pentathlon**, 1—Juanita Alston (Md) 3965 (8.5-34'10 $\frac{1}{2}$ "-5'3 $\frac{1}{2}$ "-19'5"-2:15.53), 2—Debra Deutsch (Rutgers) 3826 (8.0-36'6 $\frac{1}{4}$ "-4'10"-17'5"-2:15.01); **4x880**, 1—Harvard (Rogers-Anderson-Clabby-Beckford) 9:01.00, 2—Penn State 9:01.81, 3—Georgetown 9:01.82 (9:01.1h), 4—Penn 9:07.34, 5—Princeton 9:08.08, 6—Cornell 9:08.64; **4x440**, 1—Adelphi (Fearon-Inniss-Gilliard-Griffith) 3:44.7, 2—Morgan State 3:45.2, 3—Temple 3:45.6, 4—Penn State 3:46.3, 5—Rutgers 3:48.0; **Scores**, 1—Penn State 89, 2—Maryland 63, 3—Morgan State 62, 4—Temple 45, 5—Rutgers 36, 6—Adelphi 28, 7—Harvard 25, 8—Princeton 18, 9—Cornell and Howard 16, 11—Georgetown 12, 12—Vermont and Connecticut 10, 14—Rhode Island 8, 15—Massachusetts, Northeastern, Pennsylvania, St. John's and West Virginia 4, 20—Boston University 1, 22—Brown, Dartmouth, Providence and Yale 0.

WTW



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Anchor leg of 4 x 880 won by Harvard in 9:01.00. L to R: Mary Rawe (Penn State) second, Chris Mullen (Georgetown) third, and Darlene Beckford (Harvard) first.



JEFF JOHNSON PHOTO

Remember what the coach said, "Keep your eye on the baton until it's in your hand!" Here's June Griffith (Adelphi), Edna Brown (Temple) and Roberta Belle (Morgan State) ignoring those instructions.



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Nellie Bullock (Morgan State) wins 220 over (L to R) Janet Dotson (Morgan State) second, Ruperta Charles (Howard) third, and Deborah Lewis (Maryland) fourth.

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# Outdoor Results - Outdoor Results

## Arizona State Beats Stanford

Palo Alto, California, February 28—Powerful Arizona State, claiming to have nary a weak spot, whipped Stanford University 84-59 and Occidental College in a double dual meet held on the Palo Alto campus. But it wasn't easy. It was more a lack of talent in some events for Stanford than power by the Arizona crew that turned the tide.

ASU's Meg Ritchie was the outstanding performer as she won the discus with an outstanding throw of 212'6 and took the shot with a toss of 55'4¼. Joan Hansen bested Stanford's Kim Schnurpfeil in the 1500 with a fast 4:15.5 but Schnurpfeil, back at her own distance, annexed the 5000 in 16:07.3 over ASU's Marjorie Kaput. Arizona's Michelle Walsh won the two sprints in so-so times.

RESULTS: **LJ**, Pam Donald (S) 19'2¼; **5000**, 1—Kim Schnurpfeil (S) 16:07.3, 2—Marjorie Kaput (AS) 16:31.4, 3—Pam Morris (Un) 16:58.0; **100H**, Robin Marks (AS) 14.81; **400**, 1—Marcia Martin (S) 56.84, 2—Sandra Farmer (AS) 57.19; **100/200**, Michelle Walsh (AS) 12.00/-24.85; **SP**, 1—Meg Ritchie (AS) 55'4¼, 2—Carol Cady (S) 44'10½; **800**, Krista Holmes (AS) 2:14.6; **JT**, 1—Donna Mayhew (AS) 157'11, 2—Carol Cady (S) 138'0; **400H**, 1—Sandra Farmer (AS) 62.54, 2—Denise Waddy (AS) 65.05; **4x400**, Stanford (Donald-Warren-Poerio-Martin) 3:54.5; **1500**, 1—Joan Hansen (AS) 4:15.5, 2—Kim Schnurpfeil (S) 4:33.1; **HJ**, Cindy Johns (AS) 5'8; **DT**, 1—Meg Ritchie (AS) 212'6, 2—Carol Cady (S) 158'5; **Scores**, ASU 84, Stanford 59; Occidental 34.

## Mintie Sets L'eggs Record

San Diego, California, February 16—Kathy Mintie, averaging 5:19 per mile, set a new all-time 10000m mark for L'eggs/YWCA competition as she won the race in San Diego in a swift 33:34. Previous record was 34:51 set by Francie Larrieu in 1980 at Dallas. Mintie passed three miles in 15:56 and five miles in 26:50. Runner-up was Laurie Binder and 16-year-old Sheli Lachel finished third. Runners competed in 80° weather.

RESULTS: 1—Kathie Mintie 33:34, 2—Laurie Binder 35:40, 3—Sheli Lachel 36:19, 4—Pam Morris 36:22, 5—Laura Miller 36:25.

## Relay Meet to Oregon

Corvallis, Oregon, March 7—Oregon State University hosted its annual Beaver Relays and the University of Oregon took the team title with 116 points. Host OSU was next with 96. All field events were three-person teams.

RESULTS: **4x1600**, 1—Oregon (Snow-O'Day-Hopfenspirger-Forbes) 20:20.5, 2—CS Hayward 2:30.3, 3—Oregon State 2:41.1; **4x100m**, 1—Oregon (Fitzson-Hilteger-Costello-Miller) 47.7, 2—Oregon State 48.5; **HJ**, Oregon State 16'5; **4x100mH**, Oregon (Costello-Borchardt-Miller-Nickelson) 1:01.7; **SP**, Oregon 128'3; **JT**, Oregon 409'0; **4x800**, Oregon (Stapleton-Hanlon-Cooles-Clark) 9:16.4, 2—Oregon State 1:44.1, 3—CS Hayward 1:44.5; **DisMed**, 1—Oregon State (Kalmach-Park-Case-Lahti) 12:07.2m, 2—CS Hayward 12:21.0; **LJ**, Oregon State 54'7¼; **DT**, Oregon 410'4; **4x400**, CS Hayward (Castro-Banks-Buckley-Preisser) 3:54.0; **Scores**, 1—Oregon 116, 2—Oregon State 96, 3—Cal State Hayward 72, 4—Western Washington 31, 5—George Fox 29, 6—Titan TC 10, 7—Willamette and Linfield 8.

## USC Edges Long Beach

Los Angeles, California, March 14—University of Southern California edged Cal State Long Beach 81-78 in an early season dual meet. Long Beach's Leslie Hoerner and teammate Shaw had the only good marks of the competition as they threw the disc 163'7 and 152'4 respectively to defeat the Trojan's Donna Hollingsworth at 144'2. Kim Robinson scored a double sprint win for Troy.

RESULTS: **100/200**, Kim Robinson (USC) 11.8/24.7; **400**, Linda Cassidy (USC) 56.5; **800**, Michelle Bonds (LB) 2:13.5; **3000/5000**, Evelyn Tribble (LB) 10:12.6/18:20.7; **100H**, Lori Smith (LB) 14.4; **400H**, Kathy Bower (LB) 62.4; **4x400**, USC 3:53.54; **JT**, Lynn Van Benthem (USC) 138'7; **SP**, Kerry Zwart (USC) 43'7½; **LJ**, Sandy Crabtree (USC) 19'4; **HJ**, Kerry Zwart (USC) 5'4.

## Aztec Invitational

San Diego, California, March 7—UCLA stretched its muscles at the season opener, the Aztec Relays. Distancer Kathy Mintie covered 5000 meters in 15:49.37 to move into eighth position on the All-Time US List and three Bruin

relay teams had outstanding early season marks. The Uclans won the 4x100 in 44.89, annexed the 4x800 in 9:04.04 and captured the 4x400 in 3:42.83.

Other good performances came from San Diego State's Monica Joyce with a 4:22.0 for 1500 meters and Cal State LA's Jackie Pusey with an 11.44 100m heat. Cal State LA won the sprint medley in a good 1:41.77 and Sherry Calvert made her competitive debut after arm problems with a toss of 177'8 which was good enough for a win.

RESULTS: **JT**, 1—Sherry Calvert (Un) 177'8, 2—Linn Dunton (AIA) 158'11, 3—Jacque Nelson (UCLA) 154'5; **5000**, 1—Kathy Mintie (UCLA) 15:49.37, 2—Lynn Kanuka (SDS) 16:02.59, 3—Liz Baker (SDS) 17:17.18; **SP**, 1—Susie Ray (UCLA) 48'3½, 2—Heidi Kauti (UCLA) 46'1¼, 3—Cheryl Kennedy (SDS) 45'0½; **HJ**, 1—Kari Edwards (Shaklee) 6'0, 2—Patti Stafford (SDS) 5'9; **4x100**, 1—UCLA (Jerald-Fowler-Bolden-Griffith) 44.89, 2—USC 47.30, 3—CS Northridge 47.81; **LJ**, Susan Crabtree (Glendale) 18'4; **1500**, 1—Monica Joyce (SDS) 4:22.0, 2—Laura Miller (Un) 4:39.0; **100H**, 1—Maureen McGee (LAM) 14.33, 2—Tonya Alston (UCLA) 14.82; **4x800**, 1—UCLA (Copper-Regan-Goen-Ralston) 9:04.04, 2—SDS 9:16.29; **100m**, 1—Jackie Pusey (CSLA) 11.55 (11.44h), 2—Jennifer Innes (CSLA) 11.81, 3—Charlotte Reeves (Cen. Ar) 11.83, 4—Latanya Dawkins (Un) 11.95; **400H**, 1—Debbie Bottomley (SDS) 61.78, 2—Marion Eastern (USC) 66.40; **Sprint Medley**, 1—CSLA (Smith-Aren-Innes-Pusey) 1:41.77, 2—UCLA (Jerald-Gourdine-Fowler-Emerson) 1:42.64; **4x400**, 1—UCLA (Jerald-Cumbess-Fowler-Emerson) 3:42.83, 2—SDS 3:51.13.

## Oregon State Wins Triangular

Boise, Idaho, March 21—Winning nine events, Oregon State University had little trouble annexing a triangular affair as they whipped Idaho State (49) and host Boise State (34). The Beaver's Asa Pennington was the only double winner of the competition winning the two sprints in 12.14 and 25.09. Best marks of the day went to Idaho State's Pat Harrington with 149'6 in the disc and Oregon State's Teresa Cooper with a throw of 156'3 in the javelin. Amy Laffoon (Idaho State) covered 5000m in a good 17:47.74.

RESULTS: **HJ**, Julie Cosgrove (IS) 5'8; **4x100**, Oregon State (Green-Moyer-Gibson-Pennington) 48.33; **1500**, Connie Case (OS) 4:32.95; **SP**, Sue Doucette (IS) 44'6; **LJ**, Colleen Gibson (OS) 19'5½; **800**, Luanne Park (OS) 2:15.9; **400H**, Cindy Grigner (OS) 63.43; **3000**, Tina Ostroot (IS) 10:11.68; **4x440**, Boise State (Osborn-Dodds-Hasselquist-Osborn) 3:55.74; **Scores**, 1—Oregon State 87, 2—Idaho State 49, 3—Boise State 34.



## 11.3 for Esmeralda

Tallahassee, Florida, March 18 — Florida State hosted a non-scoring competition as Drake, Wisconsin, Michigan and Western Illinois gathered in the sunny climes of the peninsula for some early spring work. Honors were split during the day and everyone, except Western Illinois, won at least two events. Florida State's Tonja Brown was a double winner with victories in the 100 and 400 hurdles (13.9/61.3) and Michigan's Debbie Williams took the discus and javelin 129'4/144'0). Best marks of the day was the 11.3 hand-timed win over 100 meters by Florida State's Esmeralda Garcia.

RESULTS: **3000**, 1—Letha Davis (D) 9:49.8, 2—Peggy Saracino (D) 10:00.0, 3—Mary Stepka (W) 10:08.0; **4x100m**, 1—Florida State (Garcia-Payne-Bennett-Van Huele) 46.2, 2—Drake 48.2; **1500**, 1—Liz Hjalmarsson (D) 4:35.6, 2—Francine Ostrem (W) 4:39.2, 3—Gale Grant (FS) 4:39.7, 4—Sue Spalholz (W) 4:40.8; **DT/JT**, Debbie Williams (MS) 129'4/144'0; **400**, 1—Janette Wood (FS) 55.9, 2—Scooby Golden (FS) 56.4 . . . 4—Marie Simonson (D) 57.0, 5—Amy Dunlop (W) 58.9; **HJ**, Anne Erpenbeck (D) 5'8"; **100m**, 1—Esmeralda Garcia (FS) 11.3, 2—Judy Winski (WI) 11.7, 3—Robin Jackson (W) 12.0; **800**, 1—Mary Ann Brunner (W) 2:12.9, 2—Beverly Cox (FS) 2:13.4, 3—Sue Thompson (WI) 2:14.3; **LJ**, Pat Johnson (W) 20'0; **SP**, Diane Nordstrom (W) 45'1"; **400H**, 1—Tonja Brown (FS) 61.3, 2—Jeanette Bradley (FS) 61.5; **100H**, 1—Tonja Brown (FS) 13.9, 2—Almetha Roland (FS) 14.2, 3—Lisa Allen (WI) 14.3; **220**, 1—Marita Payne (FS) 23.7, 2—Pam Moore (W) 24.1; **SpMed**, Florida State (Garcia-Bennett-Golden-Wood) no time, 2—Western Illinois 1:46.4.

## Cal Poly Upsets Stanford

Stanford, California, March 21 — Cal Poly/San Luis Obispo won the last event, the mile relay, to grab an upset victory over Stanford University by a score of 67-60. The Mustangs used their depth to claim the win as the home team won eight of the 14 individual events. Cal Poly stayed close with six victories and won the meet by winning the two relays. Carol Cady, Kim Schnurpfeil and CP's Eloise Mallory were all double winners. RESULTS: **LJ**, Pam Donald (S) 18'3"; **SP**, 1—Carol Cady (S) 45'7", 2—Dana Henderson (CP) 43'7"; **JT**, Mary Osborne (S) 163'1; **HJ**, Sue McNeal (CP) 5'6; **5000**, 1—Kim Schnurpfeil (S) 16:34.8, 2—Liz Strangio (CP) 17:06.2; **3000**, 1—Patti Sue Plumer (S) 9:49.4, 2—Eileen Kramer (CP) 9:49.6; **4x100**, Cal Poly 47.93; **100H**, Liz Carroll (CP) 15.16; **400**, Marcia Martin (S) 56.1; **100/200**, Eloise Mallory (CP) 12.03/24.96; **800**, Esther Scherzing (CP) 2:13.8; **400H**, Laura Held (CP) 63.0; **DT**, Carol Cady (S) 165'8; **1500**, 1—Kim Schnurpfeil (S) 4:29.9, 2—Amy Harper (CP) 4:33.0; **4x140**, Cal Poly 3:52.6; **Scores**, Cal Poly 67, Stanford 60.

## California Opens Season

Berkeley, California, March 21 — University of California began its 1981 outdoor season by hosting a non-scoring

triangular affair with Cal State Hayward and Cal State Sacramento as opponents and responded by winning nine events to four for Hayward and two for Sacramento. Conditions were not helpful as the meet was staged between rain storms and the long jump had to be cancelled due to a "flooded pit".

The meet marked the return to competition of 1972 Olympian Kathy Hammond after an eight year retirement. Hammond anchored the Sacramento "B" 4x400 team with a 59.2 leg.

RESULTS: **SP**, Sue Springer (Cal) 43'7"; **5000**, Stephanie Stout (CSH) 17:14.7; **4x100**, Sacramento (Banks-Moore-Gilmore-Smith) 48.0; **1500**, 1—Cindy Schmandt (Cal) 4:27.2, 2—Fran Castro (CSH) 4:29.1, 3—Marianne Scannell (CSS) 4:30.6, 4—Diana Pappas (CSS) 4:34.9, 5—Cheryl Flowers (Cal) 4:37.1, 6—Suzanne Richter (Cal) 4:38.5; **DT**, 1—Sue Springer (Cal) 152'11, 2—Roxanne Kasparian (CSH) 139'7; **400**, 1—Bobbie Gilmore (CSS) 55.79, 2—Connie Culbert (Cal) 56.58; **100/200**, Kim White (Cal) 12.16/24.47; **800**, Connie Hester (CSH) 2:12.7; **400H**, Sally Meinbress (Cal) 63.91; **JT**, Kristen Engle (Cal) 153'1; **3000**, 1—Michelle Aubuchon (CSH) 9:47.5, 2—Marianne Scannell (CSS) 9:50.4, 3—Suzanne Richter (Cal) 9:54.2, 4—Cheryl Flowers (Cal) 9:55.8, 5—Lynne Hjelte (Cal) 10:07.9; **4x400**, 1—Cal State Hayward (Castro-Preisser-Buckley-Banks) 3:51.6, 2—Cal 3:54.4.

## Sun Devil Open

Tempe, Arizona, March 21 — Distancer Maria Trujillo, sprinter/hurdler Brenda Calhoun and weight tosser Ria Stallman scored double wins as the Arizona State Sun Devils dominated the staging of the Sun Devil Classic. It remained for high jumper Coleen Reinstra, however, to return the top performance. Reinstra won the high jump at 6'3 over LATC's Pam Spencer, 6'1. Stallman had the best of the other marks with her throw of 188'8 in the disc plus a 48'10 3/4 mark in the shot.

RESULTS: **3000/10000**, Maria Trujillo (ASU) 10:31.68/-33:50.32; **LJ**, Ann Van (ASU) 18'6"; **SP**, 1—Ria Stallman (ASU) 48'10", 2—Sarah Silbers (N. Col) 45'8", 3—Debra Pryor (ASU) 45'2"; **SpMed**, Arizona State (Chapple-Calhoun-Bentley-Acker) 1:44.34; **JT**, Celeste Wilkinson (Un) 161'3; **4x100m**, 1—Arizona State (Chapple-Bentley-Fathful-Calhoun) 46.60, 2—LATC 47.16; **100H**, 1—Brenda Calhoun (ASU) 14.18, 2—Jan Glotzer (LATC) 14.52; **HJ**, 1—Coleen Reinstra (ASU) 6'3, 2—Pam Spencer (LATC) 6'1; **400**, 1—Sharon Acker (ASU) 55.94, 2—Charlotte Reeves (CAC) 56.50, 3—Joslyn Bentley (ASU) 56.93; **DT**, 1—Ria Stallman (ASU) 188'8, 2—Jan Svendsen (Un) 172'4; **100m**, Brenda Calhoun (ASU) 12.04; **800**, 1—Kathy Jackson (Un) 2:12.80, 2—Becky Allen (Quest) 2:14.11, 3—Sandy Beach (ASU) 2:14.48; **400H**, Sandy Myers (LATC) 60.18; **1500**, Regina Jacobs (LATC) 4:43.73; **4x880**, Arizona State (Taylor-Coker-Bryant-Beach) 9:41.28, 2—Phoenix CC 9:44.26; **4x440**, Arizona State 3:54.90. No scores kept.

## Lady Gator Relays

Gainesville, Florida, March 21 — It was a meet filled with fine early season performances. North Carolina State turned

its distance crew loose for four wins (minus Julie Shea) and the home team unleashed Esmeralda Garcia. Garcia responded with wins in the 100m in 11.67 and a lifetime best in the long jump at 21'6 1/2 to win over AIAW indoor champ Pat Johnson (21'1). Kentucky's Cindy Crapper (pronounced 'Cropper') was a double winner in the shot and discus. American 400m hurdles record-holder Esther Mahr opened her 1981 season by winning the 800 in a good 2:08.9. North Carolina's Mary Shea and Betty Springs occupied the first two places in the 5 and 10k races while Sue Girard, Sandy Cullinane and Sue Overby copped most of the glory in the 1500/3000.

RESULTS: **100**, Esmeralda Garcia (FS) 11.67; **100H**, 1—Lori Dinello (Fl) 13.75, 2—Darlene Grant (SFCC) 14.07, 3—Almetha Roland (FS) 14.39, 4—Kathy Borgwarth (Wis) 14.40; **200**, 1—Brenda Brown (Va) 24.36, 2—Reba Jackson (Ind) 24.72, 3—Darlene Jackson (ETSU) 24.87; **400**, 1—Gwen Murray (Pitt) 53.6, 2—Wanda Hooker (Un) 55.0, 3—Angela Wright (FS) 55.3, 4—Beverly Kearney (Un) 55.4; **400H**, 1—Joan Elumelu (Un) 59.8, 2—Tonya Brown (FS) 60.1, 3—Alveretta Pitts (Fl) 60.6, 4—Vivian Scruggs (Va) 61.3, 5—Gretchen Baker (Ind) 61.4, 6—Susan Seebers (Fl) 61.5, 7—Nancy Robinson (Fl) 61.5; **800**, 1—Esther Mahr (Un) 2:08.9, 2—Marie Simonsson (Drake) 2:09.5, 3—Janette Wood (FS) 2:09.6, 4—Bev Cox (FS) 2:10.0, 5—Vivian Scruggs (Va) 2:10.5, 6—Donna Campbell (Fl) 2:13.9; **1500**, 1—Suzanne Girard (NC St) 4:27.1, 2—Linda Michelson (Va) 4:28.5, 3—Sandy Cullinane (NC St) 4:28.6, 4—Marissa Schmitt (Va) 4:31.1, 5—Stephanie Eaton (BGTC) 4:31.7, 6—Ann Pewe (Mich St) 4:32.3; **3000**, 1—Sandy Cullinane (NC St) 9:35.8, 2—Suzanne Girard (NC St) 9:37.2, 3—Sue Overby (NC St) 9:44.0, 4—Becky Cotta (Pur) 9:51.5; **5000**, 1—Mary Shea (NC St) 15:50.5, 2—Betty Springs (NC St) 15:52.5, 3—Cindy Duarte (Clemson) 16:29.1, 4—Kelly Spatz (Mich St) 16:38.4, 5—Darren Andreu (FS) 16:39.4, 6—Lisa Last (Mich. St) 16:40.0; **10000**, 1—Betty Springs (NC St) 34:01.2, 2—Mary Shea (NC St) 34:07.1, 3—Jeannie Crane (Un) 35:45.7, 4—Jennifer Well (Mich St) 35:57.5, 5—Susan Eble (FS) 36:09.0, 6—Mary Witt (Ky) 36:24.7; **4x100**, 1—Florida State 46.4, 2—Georgia 47.5, 3—Florida A&M 47.6, 4—Wisconsin 47.6; **SpMed**, 1—Georgia 1:42.9, 2—Florida State 1:44.2, 3—Florida A&M 1:45.5, 4—Florida 1:46.0; **4x440**, 1—Indiana 3:49.8, 2—East Tennessee 3:50.2, 3—Michigan State 3:50.8; **LJ**, 1—Esmeralda Garcia (FS) 21'6 1/2, 2—Pat Johnson (Wis) 21'1, 3—Lorraine Ray (Un) 20'2 1/4, 4—Kathy Rankins (Ga) 20'1 1/2, 5—Alice Bennett (FS) 20'1 1/4, 6—Rhonda Boyd (Ky) 19'5 3/4; **HJ**, 1—Anne Erpenbeck (Drake) 5'8, 2—Yvonne Heinrich (NC St) 5'8, 3—Melinda Morris (W. Ill) 5'8, 4—Wendy Meyley (Ill) 5'8, 5—Sue Wallace (Ga) 5'8; **SP**, 1—Cindy Crapper (Ky) 48'2 1/2, 2—Gail Koziara (Dartmouth) 46'11 1/2, 3—Delores Bennett (Mich St) 46'6 1/4, 4—Lynn Barber (Mich St) 44'7 1/2, 5—Peri Radevic (Pitt) 44'0; **DT**, 1—Cindy Crapper (Ky) 149'5, 2—Jane Summer (S. Ill) 141'1; **JT**, 1—Sheila Smith (Un) 160'3, 2—Donna O'Carroll (Club New England) 155'11, 3—Krissey Terpening (Auburn) 154'3, 4—Cindy Crapper (Ky) 151'11, 5—Debbie Williams (Mich) 146'6, 6—Cheryl Novak (W. Ill) 145'11.

## Arizona State Easy Winner

Tempe, Arizona, March 28 — Powerful Arizona State easily disposed of visiting Colorado and Northern Arizona in a triangular on the Sun Devil track. The

## OUTDOOR RESULTS (continued)

home team tallied 97 points in spite of some missing performers. Colorado was second with 44 and Northern Arizona third with 15 points. Ria Stalman threw the discus 193'0 for a new Dutch record and the best mark of the competition. Stalman also won the shot at 48'3 $\frac{1}{4}$ . Brenda Calhoun was a double winner in the 100 and 100 hurdles as marks were mediocre for the day.

RESULTS: **SP**, 1—Ria Stalman (ASU) 48'3 $\frac{1}{4}$ , 2—Debra Pryor (ASU) 44'9 $\frac{1}{4}$ , 3—Brenda Denny (Col) 43'4 $\frac{1}{4}$ ; **5000**, Maria Trujillo (ASU) 17:27.62; **4x100**, Arizona State (Chapple-Bentley-Faithfull-Calhoun) 47.06; **LJ**, Anna Van (ASU) 18'3 $\frac{3}{4}$ ; **100H** (+1.4), 1—Brenda Calhoun (ASU) 14.16, 2—Brenda Chambers (Col) 14.38; **400**, Jocelyn Bentley (ASU) 55.99; **DT**, 1—Ria Stalman (ASU) 193'0, 2—Brenda Denny (Col) 156'5, 3—Diane Arens (ASU) 151'5, 5—Leslie Deniz (ASU) no mark, (Julie Cart, unattached, 162'9); **100m**, Brenda Calhoun 12.40 (+1.8); **800**, 1—Sandy Beach (ASU) 2:14.31, 2—Sharon Acker (ASU) 2:14.58, 3—Karen Drake (Col) 2:14.59; **400H**, 1—Brenda Chambers (Col) 62.01, 2—Debbie McClendon (Col) 62.83; **200**, 1—Teri Chapple (ASU) 25.40, 2—Val Boyer (ASU) 25.94; **JT**, Jaime Gale (ASU) 140'10; **1500**, Sharon Hulse (Col) 4:41.09; **4x140**, Arizona State (Parsham-Faithfull-Bentley-Acker) 3:56.87.

## BYU Wins

Ogden, Utah, March 28 — Brigham Young University had things its own way as Weber State College hosted the Third Annual Wildcat Invitational. Seven teams took part in the competition. Best mark came from unattached Roz Rouse who tossed the javelin 161'9.

RESULTS: **4x100**, BYU 49.06; **1500**, Carmen Garduno (WSC) 4:49.86; **SP**, 1—Sue Doucette (Id. St) 44'2, 2—Heather Kuuksela (BYU) 44'1; **HJ** (tie), Julie Crossgrove (Id. St) and Shauna Vranes (Utah) 5'8; **JT**, 1—Roz Rouse (Un) 161'9, 2—Angie Stubblefield (Id. St) 131'6; **400H**, 1—Esmeralda Tagaband (Id. St) 63.36, 2—Grace Fdrazil (Utah St) 63.87; **DT**, 1—Heather Kuuksela (BYU) 153'0, 2—Pat Harrington (Id. St) 145'7, 3—Karlyn Gansal (Utah St) 143'2; **Scores**, 1—BYU 84%, 2—Idaho State 45, 3—Weber State 42%, 4—Utah State 34, 5—Utah 21, 6—Southern Utah State 8, 7—College of Southern Idaho 5.

## Wildcat Invitational

Tucson, Arizona, March 27/28 — The University of Arizona hosted four fine college teams at their Wildcat Invitational, a non-scoring affair, and produced some fine early season performances. UTEP won eight of the events, Arizona took six firsts, Iowa won four, Minnesota was victorious in one event and Cal State Northridge failed to take a gold. Best performance of the meet was the 13.43 mark by UTEP's Kim Turner in the 100m hurdles. A lifetime best for Turner, the mark moves her to the #8 position on the All-Time US List. Arizona's Robin Marks, who was second

in 14.01, finds herself on the All-Time List in #43 spot. Other good marks included the 172'3 toss in the discus by UTEP's Betty Bogers, Nan Doak's (Iowa) time of 35:34.11 in the 10k and the 53.69 clocking by two UTEP runners, Charmaine Crooks and Jeanine Brown. Arizona had a swift 45.8 in winning the 400m relay.

RESULTS: **HJ**, 1—Anneke Magendans (UTEP/Hol) 5'8, 2—Cindy Johns (Ariz) 5'8; **LJ**, Esther Otieno (UTEP/Ken) 18'10 $\frac{1}{4}$ ; **DT**, Betty Bogers (UTEP/Hol) 172'3; **SP**, Fayette Farrar (Minn) 43'11 $\frac{1}{4}$ ; **JT**, Donna Mayhew (Ariz) 158'11; **3000**, 1—Marjorie Kaput (Ariz) 9:40.85, 2—Judy Parker (Iowa) 9:51.45, 3—Rocky Racette (Minn) 9:57.91; **10000**, Nan Doak (Iowa) 35:34.11; **4x800**, 1—Iowa 8:54.36, 2—Arizona 9:10.75; **4x100**, 1—Arizona (Walsh-Marks-Farmer-DuPuch) 45.8, 2—UTEP 46.5, 3—CSN 47.7; **1500**, 1—Joan Hansen (Ariz) 4:31.0, 2—Anthea James (Ariz) 4:35.15, 5—Rocky Racette (Minn) 4:41.95; **100H** (0.0), 1—Kim Turner (UTEP) 13.43, 2—Robin Marks (Ariz) 14.01, 3—Sandra Framer (Ariz) 14.30; **400**, 1—Charmaine Crooks (UTEP/Can) 53.69, 2—Jeanine Brown (UTEP) 53.69, 3—Mary Knoblauch (Iowa) 56.56 (56.16h); **100**, 1—Michelle Walsh (Ariz/Ire) 11.98, 2—Felicia DuPuch (Ariz) 12.02, 3—Beatrice Reese (UTEP) 12.04; **800**, 1—Kay Stormo (Iowa) 2:09.88, 2—Krista Holmes (Ariz) 2:15.00; **400H**, 1—Sandra Farmer (Ariz) 60.18, 2—Chris Davenport (Iowa) 61.48, 3—Denise Waddy (Ariz) 62.87; **200**, 1—Jeanine Brown (UTEP) 24.47 (23.87h), 2—Michelle Walsh (Ariz/Ire) 24.66, 3—Doreen Hayward (UTEP) 25.20 (24.55h); **4x400**, 1—UTEP 3:53.01, 2—Minnesota 3:55.33; **Heptathlon**, 1—Janet Adams (Iowa) 4855 (15.9-30'2 $\frac{1}{4}$ -5'6 $\frac{1}{4}$ -28.20-17'7 $\frac{1}{4}$ -121'1-2:30.2), 2—Polly Oas (Minn) 4509.

## Manning Wins Two

Fayetteville, Arkansas, March 28 — Madeline Manning, 1968 Olympic Games 800m champion, was back on the track for her umpteenth season at the Arkansas Relays and ended up the day by winning the 800 in 2:10.59 and 1500 in 4:37.89. Oklahoma's Felicia Moore had a very swift 100 meters (11.35) and also annexed the 200 in a mundane 24.51. Iowa State's Kelley Mathews turned in a 13.79 heat in the 100m hurdles, then won the final in 13.92. There was no scoring.

RESULTS: **5000**, 1—Janel LeValley (Kan. St) 17:49.37, 2—Maria Tilman (Ark) 17:51.29; **JT**, 1—Melanie Heitman (IS) 152'10, 2—Cindy Peterson (Ok) 142'11; **SP**, Janice Stucky (KS) 44'9 $\frac{1}{4}$ ; **DT**, Jornun Tangen (Ok) 153'7, 2—Melanie Heitman (IS) 144'0; **HJ**, 1—Sally McCarthy (Ok) 5'10, 2—Beets Kolarik (KS) 5'8, 3—Mary Cragoe (Mo) 5'8; **4x800**, Kansas State (Southerns-LeValley-Phil-Thomas) 9:32.58, 2—Emporia State 9:47.04; **LJ**, Kim Hagger (KS) 19'5 $\frac{1}{4}$ ; **SpMed**, Arkansas (Harris-Banks-Russell-Sparks) 1:48.37; **4x100**, 1—Arkansas (Harris-Russell-Sparks-Smith) 47.01, 2—Barton County CC 47.77, 3—Oklahoma 47.97; **1500**, 1—Madeline Manning (ORTC) 4:37.89, 2—Margaret Smith (Mo) 4:41.15; **100H**, 1—Kelley Mathews (IS) 13.92 (13.79h), 2—Wanda Harris (Ark) 14.01, 3—Gwen Brown (Barton) 14.26; **400**, 1—Wanda Trent (KS) 56.16, 2—Sumetia Wells (IS) 56.90; **100**, 1—Felicia Moore (Ok) 11.35, 2—Allison Dotson (E. Ok) 11.44, 3—Alicia McQueen (Barton) 11.70, 4—Sheila Harrison (KS) 11.71; **800**, 1—Madeline Manning (ORTC) 2:10.59, 2—Julie Seaton (Nb) 2:16.99; **400H**, 1—Rosalyn Dunlap (Mo) 61.07, 2—Jill Lancaster (Ok) 62.48, 3—Ellie Mahal (IS) 63.96; **200**, 1—Felicia Moore (Ok) 24.51, 2—Alicia Mc-

Queen (Barton) 24.64; **3000**, 1—Diane Vetter (IS) 10:07.19, 2—Janel LeValley (KS) 10:31.70; **4x400**, Iowa State 3:58.26.

## Purdue Invitational

West Lafayette, Indiana, March 28 — Central Michigan University scored a mild upset when they whipped Purdue and Illinois to annex the team title at the Annual Purdue Invitational. Scoring was close with the Michigan crew tallying 95 to 88 for the home team, 87 for Illinois and 81 for Western Michigan. Eleven teams took part. Purdue's Andrea Marek was a double winner in the 800 and 1500 in a meet which saw no outstanding marks.

RESULTS: **5000**, Becky Cotta (P) 17:31.7; **SP**, 1—Pam Hall (Miami) 44'7 $\frac{1}{4}$ , 2—Rhea Rogers (Ill) 43'6 $\frac{1}{4}$ ; **4x110**, Western Michigan 48.8; **LJ**, Patterson (N. Ill) 19'1 $\frac{1}{2}$ ; **2M**, Darcy Tomlinson (WM) 10:53.4; **200**, Williams (WM) 25.9; **800/1500**, Andrea Marek (P) 2:17.6/4:41.1; **HJ**, Meyle (Ill) 5'9; **DT**, Douglas (WM) 131'2; **4x800**, Purdue 9:44.2; **JT**, Gamble (CM) 137'4; **Scores**, 1—Central Michigan 95, 2—Purdue 88, 3—Illinois 87, 4—Western Michigan 81, 5—Northern Illinois 56, 6—Miami 55, 7—Ball State 36, 8—Louisville 23, 9—Indiana Central 9, 10—Notre Dame and Northwestern 0.

## Virginia Wins Invitational

Charlottesville, Virginia, March 27 — Fresh from winning the AIAW National Indoor Championship, the University of Virginia began the outdoor season where it left off — by winning its own Invitational meet over 13 other schools. Although the competition was good, marks were only so-so for the most part. Richmond's Jo White spun the best track mark when she won the 800 in 2:04.4 for the top performance. Penn State's Elaine Sobansky was a double winner in the shot (51'8) and discus (145'4). Virginia's Brenda Brown won the two sprints in slow times (11.8/26.2).

RESULTS: **10000**, 1—Val Hardin (VO) 36:44.9, 2—Magda Kubasiewicz (PS) 36:58.9; **Heptathlon**, 1—Susan Brownell (V) 5252, 2—Martina Breitung (PS) 4868, 3—Helen Oberman (PS) 4819; **SP**, 1—Elaine Sobansky (PS) 51'8, 2—Sharon Mitnik (Temple) 45'3 $\frac{1}{4}$ ; **HJ**, Karen Krawlic (PS) 5'8; **5000**, 1—Kathy Scherer (W&M) 17:39.4, 2—Martha White (V) 18:14.7; **4x100**, 1—Temple 47.7, 2—Virginia 47.8; **1500**, 1—Marisa Schmitt (V) 4:35.0, 2—Patty Thoman (Richmond) 4:36.6, 3—Mary Jean Wright (V) 4:38.5; **100H**, Teresa Allan (GM) 14.4; **400**, 1—Mary Murray (Pitt) 54.7, 2—Lisa Garrett (V) 57.3; **LJ**, Gladys Boone (T) 19'0; **800**, 1—Jo White (Rich) 2:04.4, 2—Terry Poli (PS) 2:10.7, 3—Linda Nicholson (V) 2:10.8; **DT**, 1—Elaine Sobansky (PS) 145'4, 2—Jeri Daniels (W&M) 144'7, 3—Sharon Mitnik (T) 141'0; **3000**, 1—Marissa Schmitt (V) 10:05.0, 2—Tracey Deeley (VP1) 10:10.9; **400H**, 1—Vivian Scruggs (V) 60.7, 2—Karen Hatchett (V) 62.4; **4x800**, 1—Richmond 9:13.8, 2—Virginia 9:31.5; **4x400**, 1—Temple 3:49.4, 2—Virginia 3:54.7, 3—Penn State 3:55.9; **JT**, 1—Marilyn Senz (PS)

149'5. 2—Jenny Steubing (PS) 145'5; Scores, 1—Virginia 171. 2—Penn State 106. 3—Temple 73½. 4—Delaware State 46. 5—Richmond 38. 6—William & Mary 35. 7—George Mason 28. 8—James Madison 24. 9—Hampton Institute 21½. 10—Pittsburgh 19. 11—Virginia Tech 9. 12—East Carolina 7. 13—Delaware and Georgetown 0.

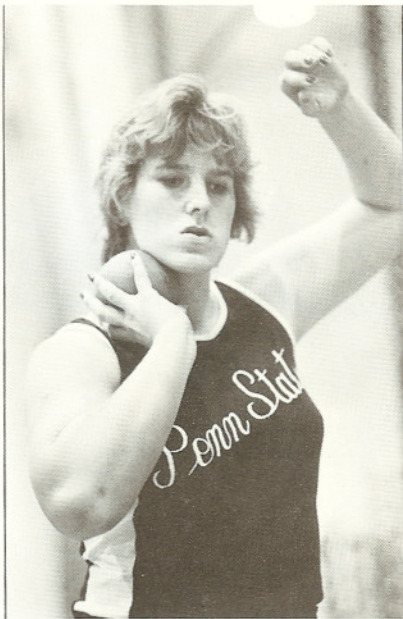
16:16.6. 2—Eryn Forbes (Ore) 16:21.5. 3—Debbie Eide (Ore. TC) 16:30.0. 4—Kathy Bryant (Tn) 16:35.0. 5—Eileen Hornberger (Tn) 16:56.4; **10000**, 1—Kim Schnurpfeil (Stanford) 34:48.1. 2—Bonnie Tamis (Col. St) 35:36.8. 3—Amy Lafoon (Idaho St) 35:52.7. 4—Diana Karg (UC Santa Barbara) 37:29.9; **Heptathlon**, 1—Cindy Grenier (Ore. St) 5273 (15.2-38'7¼-5'8½-26.1-17'6¼-110'10-2:28.3). 2—Theresa Lenardon (Wash. St) 4715. 3—Stasia Allen (Humboldt St) 4673.

## Martin Luther King Games

Stanford, California, March 27/28 — Jackie Pusey, Cal State Los Angeles, was the star of the Annual Martin Luther King Games staged in the hallowed Stanford stadium. Pusey won the 100 in a fast 11.3 and returned to annex the 400 in 52.1, just a few strides in front of Tennessee's Cathy Rattray (52.6). The 800 brought together a fine field with Oregon's Leann Warren winning it in 2:03.9 over Tennessee's Delisa Walton (2:04.2), veteran Robin Campbell (2:04.9) and Tecla Chembabwa who has returned to the track scene running for New Mexico T.C. (2:06.8). Benita Fitzgerald whipped nemesis Candy Young in a moderate flight of 100m hurdles, 13.75-13.87. Meg Ritchie (Arizona) got off a toss of 209'6 to win the discus and Oregon State's Cindy Grenier had a good heptathlon mark at 5273. Cal State Bakersfield caused heads to spin as they won three events, the 4x100 relay plus both jumps. Several good marks were recorded in the high school division as Laura De Snoo from California tossed the discus 157'11 for the best mark. Berkeley High and Kennedy High from Los Angeles traded relay wins with the Bay Area winning the 4x100 in 46.27 to 46.71 and the smog crew taking the 4x400 in 3:44.4 to 3:50.9s.

RESULTS: **DisMed**, 1—Washington 11:05.8. 2—Tennessee 11:22.9. 3—California 11:39.5. 4—CS Sacramento 11:53.4. 5—Oregon 11:56.0; **4x100**, 1—CS Bakersfield 46.50. 2—Oregon 47.63. 3—Oregon "B" 48.07. 4—CS Sacramento 48.21; **4x400**, 1—Stanford TC 3:42.45. 2—Oregon 3:46.40. 3—CS Hayward 3:52.96. 4—CSLA 3:56.25; **HJ**, 1—Phyllis Blunston (CS Bakersfield) 6'0. 2—Maria Betioli (BYU) 5'10; **400H**, 1—Deanne Johnson (Stanford TC) 61.55. 2—Sally Hamilton (Ore) 62.72. 3—Tuija Herlander (BYU) 62.89. 4—Cheryl Hawthorne (Cal) 63.61. 5—Myrtle Chester (Tenn) 64.24 **100** (+0.89). 1—Jackie Pusey (CSLA) 11.3. 2—Constance Ward (CS Bakersfield) 11.8. 3—Elaine Parker (Stanford TC) 11.9; **800**, 1—Leann Warren (Ore) 2:03.9. 2—Delisa Walton (Tenn) 2:04.2. 3—Robin Campbell (Stanford TC) 2:04.9. 4—Tecla Chembabwa (NM) 2:06.8. 5—Anne Reeve (Hawaii) 2:11.7; **100H**, 1—Benita Fitzgerald (Tn) 13.75. 2—Candy Young (FD) 13.87. 3—Kris Costello (Ore) 14.77; **400**, 1—Jackie Pusey (CSLA) 52.1. 2—Cathy Rattray (Tn) 52.5. 3—Robin Campbell (Stanford TC) 52.6. 4—Kelia Bolton (Stanford TC) 53.2. 5—Rhonda Massey (Ore) 56.7; **DT**, 1—Meg Ritchie (Ariz) 209'6. 2—Denise Wood (Tn. TC) 179'9. 3—Lorna Griffin (Un) 173'8. 4—Carol Cady (Stanford) 169'0. 5—Jan Svendsen (Un) 167'0. 6—Julie Hansen (Sps. West) 157'7. 7—Lisa Vogelsang (Un) 151'2. 8—Gail Zaphropoulos (Un) 151'1; **LJ**, Jewel Lovelady (CS Bakersfield) 19'6¼; **3000**, 1—Monica Joyce (SDS) 9:20.4. 2—Lisa O'Dea (Ore) 9:36.6. 3—Mary Ann Scannell (CS Sac) 9:44.8. 4—Susanne Richter (Cal) 9:53.4; **5000**, 1—Cathy Twomey (Ath. West)

JEFF JOHNSON



ELAINE SOBANSKY

## San Diego Wins Two

Los Angeles, California, April 2 — The University of Southern California hosted Brigham Young and San Diego State in a double dual affair and ended up losing to both schools as the Aztecs won twice. San Diego downed BYU 88-72 and USC 83-71 while the Utah group whipped the Trojans 86-68. The meet provided three double winners as USC's Kim Robinson won both sprints, San Diego's Debbie Bottomley took the 400 and 400 hurdles and teammate Monica Joyce annexed the 800 and 1500.

RESULTS: **100/200**, Kim Robinson (USC) 12.25/24.57; **400**, 1—Debbie Bottomley (SDS) 56.22. 2—Washburn (BYU) 56.24. 3—Davidson (BYU) 56.90; **800**, 1—Monica Joyce (SDS) 2:10.1. 2—Susan Hemond (SDS) 2:14.5; **1500**, 1—Monica Joyce (SDS) 4:28.14. 2—Stacey Tangren (BYU) 4:39.89; **3000**, 1—Liz Baker (SDS) 9:52.46. 2—Hollett (BYU) 9:27.25; **400H**, Debbie Bottomley (SDS) 62.30; **4x100**, USC 47.37; **4x400**, BYU 3:49.80; **DT**, 1—Heather Kussela (BYU) 165'6. 2—Hollingworth (USC) 141'2; **LJ**, Haynes (USC) 19'7; **HJ**, 1—Maria Betioli (BYU) 5'11. 2—Patti Stafford (SDS) 5'9. 3—Dew (BYU) 5'9; **JT**, 1—Debbie Dobb (SDS) 155'4. 2—Lisa van Benthem (USC) 140'2; **SP**, 1—Cheryl Kennedy (SDS) 45'7. 2—Bonnie Dasse (SDS) 45'3. 3—Heather Kussela (BYU) 44'4.

## USC Invitational

Los Angeles, California, March 28 — Excellent high jumping spotlighted the staging of the University of Southern California Invitational held on the tartan on campus. LATC's Pam Spencer won the event on fewer misses at 6'0½ over Tanya Alston (Shaklee/UCLA), with Kari Edwards third with 5'11. Cal Poly/SLO's Sue McNeal, a consistent six foot jumper, didn't have it on this occasion and wound up tied for fourth at 5'9¼ with Patti Stafford of San Diego State. High schooler Regina Jacobs, competing for the LATC, was a double winner as she annexed the 800 (2:09.47) and the 1500 (4:29.91). Jacobs does not compete for her high school. Veteran Jan Glotzer turned a few heads when she won her heat of the 100m hurdles in 14.23 after having missed most of the latter part of the 70's. Glotzer lost the final to junior college ace Rene Felton who ran a good 13.94. Joan Russell, competing unattached, took the heptathlon with the best score to date by an American, 5426. Russell had to hustle however, for Trojan sophomore Kerry Zwart was leading after six events, 4592 to 4591. Russell uncorked a 2:16.5 800, some 11 seconds in front of Zwart to wrap up the crown.

RESULTS: **10000**, 1—Liz Baker (SDS) 35:32.08. 2—Liz Strangio (CP/SLO) 35:42.34; **1500**, 1—Regina Jacobs (LATC) 4:29.91. 2—Amy Harper (CP/SLO) 4:36.85; **400H**, 1—Sandy Myers (LATC) 60.88. 2—Kathy Bower (CSLB) 62.19. 3—Missy Jerald (Shaklee TC) 62.54. 4—Karen Taylor (Shaklee TC) 62.74; **3000**, Janice Kelley (CP/SLO) 10:12.0; **4x100**, 1—USC 47.72. 2—CP/SLO 47.8; **100H** (-2.0), 1—Rene Felton (SMCC) 13.94. 2—Jan Glotzer (LATC) 14.31 (14.23h). 3—Lisa Gourdine (Shaklee TC) 14.67; **400**, 1—Oralee Fowler (Shaklee TC) 53.68. 2—Deann Gutowski (UCLA) 54.59. 3—Kim Law (UCLA) 55.85; **100m** (0.0), 1—Pam Marshall (Coast Ath) 11.69. 2—Kim Robinson (USC) 11.82. 3—Dollie Fleetwood (SCC) 11.99. 4—Gail Douglas (Coast Ath) 12.25; **800**, 1—Regina Jacobs (LATC) 2:09.47. 2—Debbie Bottomley (SDS) 2:11.76. 3—Michelle Bonds (CSLB) 2:12.10. 4—Rhonda Patchen (Fullerton) 2:12.33; **200** (-3.0), 1—Kim Robinson (USC) 24.38. 2—Lisa Hopkins (Ing Panthers) 24.49 (24.45h); **SpMed**, LBCC 1:43.51; **JT**, 1—Deena Bernstein (Coast Ath) 148'10. 2—Debbie Dobb (SDS) 147'7. 3—Donna O'Carroll (New England TC) 146'4. 4—Lisa van Benthem (USC) 144'11; **HJ**, 1—Pam Spencer (LATC) 6'0½. 2—Tanya Alston (Shaklee TC) 6'0½. 3—Kari Edwards (Shaklee TC) 5'11. 4—(tie) Patti Stafford (SDS) and Sue McNeal (CP/SLO) 5'9¼; **DT**, 1—Leslie Hoerner (CSLB) 155'0. 2—Pat Shaw (CSLB) 142'0; **LJ**, 1—Karen Taylor (Shaklee TC) 19'0. 2—Sandy Crabtree (USC) 18'10½; **SP**, 1—Annie McElroy (CSLB) 45'10¼. 2—Cheryl Kennedy (SDS) 45'6¼; **Heptathlon**, 1—Joan Russell (Un) 5426 (14.9-35'9¼-5'9-26.3-18'2½-109'3-2:16.50). 2—Kerry Zwart (USC) 5292 (15.2-42'6¼-5'6½-26.3-18'1½-102'11-2:27.5). 3—Carrie McNaughton (SDS) 5222. 4—Chris Dubois (CP/SLO) 4771. 5—Roberta Lenard (UCSB) 4638. 6—Lori Smith (CSLB) 4563. Ann Crump (UNLV) withdrew after six events.

## Ottey 11.0/22.4

Lincoln, Nebraska, April 4 — Merlene Ottey, bronze medalist in the 200m at the Moscow Olympics, opened her 1981 outdoor season with a bang at the Annual

## OUTDOOR RESULTS (continued)

Husker Invitational. Ottey sped to wins in the 100 (11.0) and the 200 (22.4) to completely dominate the competition. Teammate Norma Lee Murray and Kansas' Lori Green-Jones had the honor of chasing Ottey across the finish line in both races. If these are Ottey's opening marks for 1981, one can only wonder what she will be running in June and July! The rest of the events at the Invitational were below average. No score was kept.

RESULTS: **4x100**, 1—Nebraska (Ottey-Murray-Zajic-Mills) 46.6, 2—Kansas 48.6; **1500**, Debbie Hertzog (Kan) 4:44.0; **100H**, 1—Connie McKerman (Kan) 14.2, 2—Cheryl Zajic (Nb) 14.4, 3—Gwen Poss (Kan) 14.4, 4—Lisa Hansen (Mn) 14.4; **400**, Wanda Trent (Kan. St) 57.0; **100**, 1—Merlene Ottey (Nb) 11.0, 2—Norma Lee Murray (Nb) 11.6, 3—Lori Green-Jones (Kan) 11.7; **800**, Kris Rens (Mn) 2:17.1; **400H**, 1—Lisa Hansen (Mn) 63.5, 2—Cheryl Zajic (Nb) 63.5; **200**, 1—Merlene Ottey (Nb) 22.4, 2—Norma Lee Murray (Nb) 23.8, 3—Lori Green-Jones (Kan) 24.0; **5000**, 1—Rocky Racette (Mn) 17:21.7, 2—Brenda Saunders (Miss) 17:26.0; **4x400**, Kansas (Cox-Tucker-McKnight-Hertzog) 3:58.9; **SP**, Karen Wood (Nb) 43'1; **HJ**, Sharon Burrill (Nb) 5'6; **LJ**, Nancy Kindig (Nb) 19'3/4; **DT**, 1—Rebecca McGranahan (Kan) 150'9, 2—Karen Wood (Nb) 143'3.

## Indiana Wins

Champaign, Illinois, April 4 — Reba Jackson won the two sprints to lead the University of Indiana to a win over host Illinois and visiting Southern Illinois in a three-way meet. There were no outstanding marks.

RESULTS: **100/200**, Reba Jackson (Ind) 12.1/24.6; **4x100**, Indiana (Jackson-Ennis-Fentress-Mann) 48.30; **1500**, Marianne Dickerson (Ill) 4:36.2; **400**, Barb Ennis (Ind) 56.64; **800**, Sheila Montgomery (Ind) 2:12.40, 2—Regina Washburn (Ind) 2:12.98; **400H**, Gretchen Baker (Ind) 63.79; **Scores**, 1—Indiana 200, 2—Illinois 161, 3—Southern Illinois 84.

## Oregon State Easy Winner

Corvallis, Oregon, April 4 — Host Oregon State had an easy afternoon when they entertained the Washington State women's team in a dual meet as the Tigers won 93-34. The girls from Pullman managed to win only two events but turned in the best mark of the competition with Jeanne Eggart's toss of 159'5 to win the javelin. Asa Pennington in the sprints and Cindy Griener in the hurdles were double winners for Oregon State.

RESULTS: **LJ**, Colleen Gibson (OSU) 19'2/4; **JT**, 1—Jeanne Eggart (WSU) 159'5, 2—Michelle Cleland (OSU) 153'2; **3000**, 1—Connie Case (OSU) 9:47.97, 2—Joanne Lahti (OSU) 9:54.42; **100H/400H**, Cindy Greiner (OSU) 15.17/63.21; **100/200**, Asa Pennington (OSU) 12.06/24.86; **1500**, 1—Connie Case (OSU) 4:43.9, 2—Lisa Woodcock (WSU) 4:49.14; **DT**, Michelle Cleland (OSU) 146'3.



JEANNE EGGART



VIVIAN SCRUGGS

## Virginia Cruises

Charlottesville, Virginia, April 5 — In spite of Marita Walton's twin win in the weights, the University of Maryland failed to extend AIAW indoor champs University of Virginia when the two teams tangled in a dual meet. The Cavaliers triumphed 71-55 and were led by old reliables Jill Haworth, Aileen O'Connor, Vivian Scruggs, Susan Brownell and Lisa Garrett, none of whom were over-extended during the day.

RESULTS: **HJ**, Ann Bair (V) 5'8; **4x100**, Maryland (Toomer - Beverly Roman - Beryl Roman - Lewis) 47.4; **SP**, 1—Marita Walton (M) 52'4, 2—Susan Baker (M) 45'10; **1500**, 1—Linda Nicholson (V) 4:28.0, 2—Debra Pavik (M) 4:29.4; **LJ**, Juanita Austin (M) 19'0/4; **100H**, 1—Susan Brownell (V) 14.6, 2—Laurita Harris (V) 14.7, 3—Vivian Scruggs (V) 14.7; **400**, 1—Lisa Garrett (V) 55.9, 2—Kim Hatchett (V) 57.4; **100m**, 1—Leola Toomer (M) 11.6, 2—Brenda Brown (V) 11.7; **DT**, Marita Walton (M) 155'5; **800**, 1—Jill Haworth (V) 2:11.5, 2—Debra Pavik (M) 2:16.3; **400H**, Vivian Scruggs (V) 62.9; **200**, Brenda Brown (V) 24.5; **5000**, 1—Aileen O'Connor (V) 16:36.3.

2—Mary Walsh (M) 16:43.5; **4x400**, Virginia (Scruggs-Karen Hatchett-Garrett-Kim Hatchett) 3:51.0; **Scores**, Virginia 71, Maryland 55.

## Sun Angel Classic

Tempe, Arizona, April 4 — Two great days of fine performances featured the staging of the Annual Sun Angel Classic at the home of Arizona State University. Most outstanding was the discus which saw Meg Ritchie edge Arizona State's Ria Stalman, 204'11 to 202'3 with six others beyond the 155' mark. Arizona's Joan Hansen staged a stirring duel with Canada's Geri Fitch in the 3000 with Hansen the winner in 9:16.88 to 9:17.80. The high jump saw AIAW/TAC champ Coleen Reinstra reduced to third behind Pam Spencer and CS Bakersfield's Phyllis Blunston although all three cleared 6'0/4. In the 400, CSLA's Jackie Pusey continued her fine 1981 season by whipping Lorna Forde (Atoms) in a fast 52.82. This race also saw the return of Yolanda Rich, once again competing for CSLA. The three relays were all swift and close with the Atoms winning the 4x100 and 4x440 over Arizona State and the hosts taking the medley by a couple of ticks over the Atoms. Canada's Brenda Reid annexed the heptathlon with a score of 4749 after UNLV's Ann Crump was forced to withdraw after day one. Crump had a 206 point lead after four events, but withdrew due to an injury.

RESULTS: **LJ**, 1—Sandy Myers (LATIC) 20'1/4, 2—Jill Ross (Can) 19'7/4, 3—Jewel Lovelady (CS Bakersfield) 19'0/4; **3000**, 1—Joan Hansen (Ariz) 9:16.88, 2—Geri Fitch (Can) 9:17.80, 3—Kate Wiley (Can) 9:35.87, 4—Marjorie Kaput (Ariz) 9:45.37; **JT**, 1—Kate Schmidt (PCC) 194'6, 2—Donna Mayhew (Ariz) 165'9, 3—Celeste Wilkinson (Un) 158'9, 4—Lynn Dutton (AIA) 153'1; **HJ**, 1—Pam Spencer (LATIC) 6'0/4, 2—Phyllis Blunston (CSB) 6'0/4, 3—Coleen Reinstra (Ariz. St) 6'0/4, 4—Yolanda Gibson (Atoms) 5'9, 5—Maria Betioli (BYU) 5'7; **4x100**, 1—Atoms (Nelson-Forde-Jackson-Dixon) 45.56, 2—Arizona State (Boyer-Chapple-Bentley-Calhoun) 45.78, 3—CSLA 46.13, 4—CS Bakersfield 46.53; **DT**, 1—Meg Ritchie (Ariz) 204'11, 2—Ria Stalman (Ariz St) 202'3, 3—Leslie Deniz (Ariz. St) 177'0, 4—Julie Cart (SDSF) 164'1, 5—Gale Zaphiropoulos (Un) 159'10, 6—Jan Svendsen (Un) 158'4, 7—Stevenson (AIA) 155'4, 8—Lisa Vogelsang (Un) 155'1; **100** (-0.2), 1—Lisa Thompson (UNLV) 11.67, 2—Sandra Howard (Un) 11.95, 3—Pam Greene (Un) 12.04; **100H** (0.0), 1—Brenda Calhoun (Ariz. St) 13.58, 2—Sandra Farmer (Ariz) 14.25, 3—Jill Ross (Can) 14.34, 4—Debra Melrose (Atoms) 14.37; **400**, 1—Jackie Pusey (CSLA) 52.82, 2—Lorna Forde (Atoms) 53.19, 3—Diane Dixon (Atoms) 54.13, 4—Sharon Acker (Ariz. St) 54.44, 5—Yolanda Rich (CSLA) 54.58, 6—Stephanie Vega (Atoms) 55.63, 7—Freida Cobbs (BEBTC) 55.68; **800**, 1—Dorlane Lambelet (Atoms) 2:07.20, 2—Karel Jones (Atoms) 2:09.00, 3—Regina Jacobs (LATIC) 2:10.96, 4—Christa Holmes (Ariz) 2:11.90, 5—Jodi Seay (CSB) 2:12.21, 6—Becky Allen (Quest) 2:12.45; **SpMed**, 1—Arizona State (Calhoun-Boyer-Bentley-Acker) 54.5 1:41.86, 2—Atoms 1:43.21, 3—UNLV 1:44.14; **4x440**, 1—Atoms (Vega 55.9-Dixon 62.0-Jackson 52.1-Forde 54.6) 3:44.67, 2—Arizona State 3:54.43; **Heptathlon**, 1—Brenda Reid (Can) (15.5-33'1/4-5'3/4-26.3-15'10-89'3-2:29.2) 4749, 2—Jackie Maynor (Phoenix) 4373.

## Texas Relays

Austin, Texas, April 3/4 — In a meet replete with fine marks, main interest was centered around the team performance as eight of the nation's best collegiate teams took part: UCLA, Tennessee, UTEP, Texas, Florida State, TWU, Houston and Oklahoma. Nebraska also competed, but brought only one relay team. If one considers winning performances as a basis of greatness, then Tennessee triumphed over the mighty Bruins 3-1. The Terry Hull coached team won the 100m hurdles, the sprint medley and the 4x800 relays while the Bruins could only conquer the field in the javelin. But wait! If first places are considered the critereon, look who showed up and also collected three victories: Texas Women's University. The Bert Lyle drawlers collected gold in the 100 where Leleith Hodges appears to be back in shape after a two year hiatus, in the high jump where Louise Ritter returns after a year of red-shirting and in the 4x100.

If you base your decision on the number of places won, then UCLA is far in front with 11 medals to only five for Tennessee, TWU and Oklahoma. Of course it is a bit early to worry about who is the strongest team and early season mistakes affected all the teams. UCLA dropped the baton in the 4x100, Kathy Mintie dropped out of the 5000 with back pains, Sherri Howard remained in Westwood and so on and on. The biggest disappointment was the showing of Florida State where Garcia failed to impress in the 100 and the Gators only picked up three places. Here's a chart showing the places won by the top teams (no score was kept):

School	1st	2nd	3rd	4th	5th	6th	Total
UCLA	1	4	1	3	0	2	11
Tennessee	3	0	2	0	0	0	5
TWU	3	0	2	0	0	0	5
Oklahoma	1	0	3	0	1	0	5
Texas	1	2	0	1	1	0	5
Houston	0	2	1	0	1	0	4
Fl. State	0	1	0	0	1	1	3
UTEP	1	1	0	0	0	0	2

So much for team problems. The main point of the Texas Relays is individual performances, and this edition of the annual affair produced some good duels and marks. The three relays provided great fan appeal. Texas Women's University, with a team of Leleith Hodges, Dorothy Scott, Karen Holmes and Adams won by less than four-tenths over Florida State. The TWU team personnel seemingly hasn't changed since 1970, but they are swift. Tennessee won the other two relays. In the sprint medley, the Hullites won by seven hundredths over UCLA in a very fast 1:39.91 and the 4x800 team



*Tammy Etienne (Texas) won Texas relays 400H in 57.53, best time in the nation.*

averaged slightly over 2:09 for that victory. Texas Southern surprised by taking the runner-up spot over Oklahoma and UCLA surprised even more by being shuttled back to sixth.

None of the field events were spectacular with Cecil Hansen's (Oklahoma) winning mark in the shot at 51'9 $\frac{3}{4}$  probably the best. Louise Ritter's return to collegiate ranks was marked by her 6'1

clearance for a victory. There was no long jump.

Texas' Tammie Etienne continued her fine 1981 showing by lowering her season best in the 400 hurdles to 57.53. She also picked up a fourth in the low hurdles which were won by Tennessee's Benita Fitzgerald over UTEP's Kim Turner 13.15 to 13.17.

RESULTS: 1500, 1—Ileana Hocking (N. Tx. St) 4:30.5.

## OUTDOOR RESULTS (continued)

2—Linda Goen (UCLA) 4:30.7, 3—Linda Portasik (Tn) 4:31.7, 4—Sheila Ralston (UCLA) 4:33.0; **100H**, 1—Benita Fitzgerald (Tn) 13.15, 2—Kim Turner (UTEP) 13.17, 3—Karen Holmes (TWU) 13.70, 4—Tammie Etienne (Tx) 14.07, 5—Almetha Roland (Fl. St) 14.18, 6—Lisa Gourdine (UCLA) 14.19; **4x100**, 1—TWU (Hodges-Scott-Holmes-Adams) 45.15, 2—Florida State 45.53, 3—Houston 45.75, 4—Prairie View 46.00, 5—Texas 46.07; **SpMed**, 1—Tennessee (Barksdale-Rattray-Fitzgerald-Walton) 1:39.91, 2—UCLA 1:39.98, 3—TWU 1:41.59, 4—Prairie View 1:42.51, 5—Texas Southern 1:42.63; **DT**, 1—Betty Bogers (UTEP) 177'11, 2—Laura Messner (Tx) 177'7, 3—Brenda Denny (Col) 165'3, 4—Sonnier (Lamar) 152'0, 6—White (Iowa St) 150'2; **JT**, 1—Jacque Nelson (UCLA) 165'11, 2—Dana Olson (Houston) 161'7, 3—Crobeck (Ranger JC) 150'2, 4—Suzie Ray (UCLA) 148'9, 5—Cindy Peterson (Ok) 148'7, 6—Bell (Texas Tech) 147'9; **100**, 1—Leleith Hodges (TWU) 11.36, 2—Jeanette Bolden (UCLA) 11.39, 3—Benita Fitzgerald (Tn) 11.54; **5000**, 1—Brenda Webb (Un) 15:42.61, 2—Midde Hamrin (Lamar) 16:02.11, 3—Cathy Kellie (Ok) 16:39.22, 4—Quick (Un) 16:39.82, 5—Carol Urish (Houston Harriers) 16:44.17, 6—Darien Andreau (Fl. St) 16:50.40; **4x800**, 1—Tennessee (Walton-Rattray-Portasik-Clark) 8:36.17, 2—Texas Southern 8:39.45, 3—Oklahoma 8:41.24, 4—Nebraska 8:46.56, 5—LSU 8:51.44, 6—UCLA 8:53.43; **100H**, 1—Tammy Etienne (Tx) 57.53, 2—Clary (Houston) 59.72; **HJ**, 1—Louise Ritter (TWU) 6'1, 2—Reddick (Tx. Sth) 6'0, 3—(tie) Sally McCarthy (Ok) and Tanya Alston (UCLA) 5'9; **SP**, 1—Cecil Hansen (Ok) 51'9 $\frac{3}{4}$ , 2—Suzie Ray (UCLA) 48'6, 3—Karen Waddell (PV) 47'6 $\frac{1}{2}$ , 4—Heidi Kauti (UCLA) 46'4, 5—Ferry (Houston) 45'5 $\frac{1}{4}$ .

### UCLA Whips Oregon in the Dual Meet

Eugene, Oregon, April 11 — Powerful UCLA, using speed-speed-speed, dispatched the University of Oregon in the season's biggest dual meet to date by 13 points, 70-57. The Uclans outscored the home team 35-2 in the 100, 200, 400 and relays, a margin too large to make up for the determined Ducks. Oregon provided the super-athletes of the day with Lexie Miller winning three events (hurdles and long jump) and Leann Warren scoring a double in the 800 and 1500. Fine marks were the rule in spite of the early season. Jeanette Bolden whipped through the 100 in 11.1, Oralee Fowler sped the 400 in 53.15 and the relays were won at 44.79 and 3:40.35. All field events were below par. The best on the field was the upset by Susie Ray over teammate Jacque Nelson, the defending AIAW champion, in the javelin. Although both teams were not at full strength, the Bruins left Sheri Howard, Kathie Mintie and Brenda Peterson at home to recover from minor injuries.

**RESULTS:** **100**, 1—Jeanette Bolden (UCLA) 11.1, 2—Florence Griffith (UCLA) 11.5; **200**, 1—Florence Griffith (UCLA) 23.85, 2—Jeanette Bolden (UCLA) 23.98, 3—Oralee Fowler (UCLA) 24.38; **400**, 1—Oralee Fowler (UCLA) 53.15, 2—Deanne Gutowski (UCLA) 54.00, 3—Grace Bakari (Ore) 54.35; **800**, 1—Leann Warren (Ore) 2:06.73, 2—Sheila Ralston (UCLA) 2:11.84, 3—Linda Goen (UCLA) 2:13.28; **1500**, 1—Leann Warren (Ore) 4:26.39, 2—Sheila Ralston (UCLA) 4:28.46; **3000**, 1—



Oregon's Lexie Miller won three events against UCLA.



UCLA's Susie Ray, upset winner of javelin against Oregon. Ray also won the shot.

(continued on page 30)

# USA TOP TEN 1981

## Marks Received to April 12

(+ = Not a US citizen)

### 100 Meters (\* = Hand time plus 0.24)

11.24\* +Merlene Ottey (Nb/Jam)  
11.34\* Jeanette Bolden (UCLA)  
11.35 Felicia Moore (Ok)  
11.36+ +Leleith Hodges (TWU/Jam)  
11.44 +Jackie Pusey (CSLA/Jam)  
11.44 Allison Dotzon (E. Ok)  
11.54\* +Esmeralda Garcia (Fl. St/Bra)  
11.54 Benita Fitzgerald (Tn)  
11.59 Sharon Ware (CA HS)  
11.64\* Linda Weekly (Tx. Sth)

### 200 Meters

(\* = Hand time plus 0.24; ° = 220y minus 0.12)

22.64\* +Merlene Ottey (Nb/Jam)  
23.34\* Florence Griffith (UCLA)  
23.66 Pam Marshall (LBCC, CA)  
23.87 Jeanine Brown (UTEF)  
23.94\* +Oralee Fowler (UCLA/Bah)  
23.94\* Marita Payne (Fl. St)  
23.98 Jeanette Bolden (UCLA)  
24.04\* Latanya Dawkins (CA HS)  
24.04\* Denean Howard (CA HS)  
24.04\* +Normalee Murray (Nb/Jam)

### 400 Meters

(\* = Hand time plus 0.14; ° = 440y minus 0.3)

52.24\* +Jackie Pusey (CSLA/Jam)  
52.64\* +Cathy Rattray (Tn/Jam)  
52.64 Delisa Walton (Tn)  
52.74\* Robin Campbell (Stan. TC)  
53.15 +Oralee Fowler (UCLA/Bah)  
53.19 Lorna Forde (Atoms TC)  
53.34\* Kelia Bolton (Stan. TC)  
53.36 Robbin Coleman (Tx)  
53.44\* Denean Howard (CA HS)  
53.69 +Charmaine Crooks (UTEF/Can)  
53.69 Jeanine Brown (UTEF)

### 800 Meters (\* = Hand time plus 0.14)

2:02.54\* Robin Campbell (Stan. TC)  
2:04.04\* Leann Warren (Ore)  
2:04.14\* Madeline Manning (ORTC)  
2:04.34\* Delissa Walton (Tn)  
2:04.54\* +Josephine White (Rich/GB)  
2:06.44\* Brenda Peterson (LAM)  
2:06.94\* +Tecla Chembabwai (Lobo TC/Ken)  
2:07.20 +Doriane Lambelet (Corn/Swi)  
2:08.14\* Jessica Spies (CA HS)  
2:09.00 Karel Jones (Atoms TC)

### 1500 Meters (\* = Hand time plus 0.14)

4:12.21 Cindy Bremser (Wis. Un)  
4:15.64\* Joan Hansen (Ariz)  
4:20.24\* Cindy Schmandt (Cal)  
4:21.54 Brenda Webb (Ath. West)  
4:22.14\* +Monica Joyce (SDS/GB)  
4:23.10 Mary Rawe (Penn St)  
4:24.02 +Bernadette Madigan (Ky/GB)  
4:25.14\* Michelle Bush (UCLA)  
4:25.15 Patty Murnane (Penn St)  
4:25.44\* Linda Portasik (Tn)

### 3000 Meters (\* = Hand time plus 0.14)

9:02.04\* Francie Larrieu (PCC)  
9:02.74\* Brenda Webb (Ath. West)  
9:09.22 Cindy Bremser (Wis. Un)  
9:13.13 +Lynn Kanuka (SDS/Can)  
9:16.88 Joan Hansen (Ariz)  
9:20.54\* +Monica Joyce (SDS/GB)  
9:21.74\* +Bernadette Madigan (Ky/GB)

9:23.84\* Aileen O'Connor (Va)  
9:25.84\* +Midge Hamrin (Lamar/Swe)  
9:26.24\* Cindy Schmandt (Cal)

### 5000 Meters (\* = Hand time plus 0.14)

15:42.61 Brenda Webb (Ath. West)  
15:49.37 Kathie Mintie (UCLA)  
15:50.64\* Mary Shea (NC St)  
15:52.64\* Betty Springs (NC St)  
16:02.11 +Midge Hamrin (Lamar/Swe)  
16:02.59 +Lynn Kanuka (SDS/Can)  
16:07.44\* Kim Schnurpfeil (Stanford)  
16:16.74\* Cathie Twomey (Ath. West)  
16:21.64\* Eryn Forbes (Ore)  
16:29.24\* Cindy Duarte (Clemson)

### Three Miles (\* = Hand time plus 0.14)

15:42.61 Brenda Webb (Ath. West)  
15:49.37 Kathie Mintie (UCLA)  
16:02.11 +Midge Hamrin (Lamar/Swe)  
16:02.59 +Lynn Kanuka (SDS/Can)  
16:07.44\* Kim Schnurpfeil (Stan)  
16:16.74\* Cathie Twomey (Ath. West)  
16:21.64\* Eryn Forbes (Ore)  
16:30.14\* Debbie Eide (Ore. TC)  
16:31.54\* Marjorie Kaput (Ariz)  
16:35.14\* Kathy Bryant (Tn)

### 10000 Meters (\* = Hand time plus 0.14)

34:01.34\* Betty Springs (NC St)  
34:07.24\* Mary Shea (NC St)  
34:22.24\* +Lynn Kanuka (SDS/Can)  
34:23.94\* Eryn Forbes (Ore)  
34:48.24\* Kim Schnurpfeil (Stan)  
34:48.64\* Michele Aubuchon (CS Hay)  
35:26.94\* Bonnie Tamis (Col. St)  
35:31.94\* +Pettley (Wash/Aus)  
35:32.08 Liz Baker (SDS)  
35:34.11 Nan Doak (Iowa)

### 100m Hurdles (\* = Hand time plus 0.24)

13.34\* Linda Weekly (Tx. Sth)  
13.43 Kim Turner (UTEF) 13.17w  
13.53 Benita Fitzgerald (Tn) 13.15w  
13.58 Brenda Calhoun (Ariz. St)  
13.71 Candy Young (FD)  
13.74\* Karen Holmes (TWU) 13.70w  
13.75 Lori Dinello (Fl)  
13.75 Almetha Roland (Fl. St)  
13.79 Kelley Mathews (Iowa St)  
13.84\* Kim Willis (Ohio St)

### 400m Hurdles (\* = Hand time Plus 0.14)

57.53 Tammy Etienne (Tx)  
57.53 Tonja Brown (Fl. St)  
59.72 Rachel Clary (Houston)  
59.94\* +Joan Elumelu (Un/Nig)  
60.10 Kim Whitehead (Un)  
60.18 Sandy Myers (LATC)  
60.18 +Sandra Farmer (Ariz./Jam)  
60.74\* Alverretta Pitts (Fl)  
60.84\* Vivian Scruggs (Va)  
60.90 Debra Melrose (PVTC)

### High Jump

6'3 Coleen Reinstra (Ariz. St)  
6'2 Phyllis Blunston (CS Baker)  
6'1 Sue McNeal (CP/SLO)  
6'1 Pam Spencer (LATC)  
6'1 Louise Ritter (TWU)  
6'0½ Tanya Alston (UCLA)

6'0 Kari Edwards (Shaklee TC)  
6'0 Reddick (Tx. Sth)  
5'11 Ford (Lamar)  
5'11 +Maria Betioli (BYU/Bra)

### Long Jump

21'6½ +Esmeralda Garcia (Fl. St/Bra)  
21'1 Pat Johnson (Wis)  
20'7¼ Jodi Anderson (LATC)  
20'3¼ +Jennifer Innis (CSLA/Guy)  
20'3¼ JoAnna Harper (ELAJC, Cal)  
20'2¼ Lorraine Ray (Un)  
20'2 Yvette Evans (LAM)  
20'2 Michelle Kelly (UC Irvine)  
20'1½ Kathy Rankins (Ga)  
20'1¼ Alice Bennett (Fl. St)  
20'1¼ Sandy Myers (LATC)

### Shot Put

55'4½ +Meg Ritchie (Ariz./GB)  
52'10¾ +Rose Hauch (Tn/Can)  
52'4 +Marita Walton (Md/Ire)  
52'2 Lorna Griffin (Un)  
51'11¼ Sue Thornton (Knox TC)  
51'9¾ +Cecil Hansen (Ok/Nor)  
51'8 Elaine Sobansky (Penn St)  
50'10¼ Sandy Burke (Northeastern)  
50'4 Denise Wood (Knox TC)  
50'1¾ Nellie Kaaswahla (CA HS)

### Discus Throw

212'6 +Meg Ritchie (Ariz./GB)  
202'3 +Ria Stalman (Ariz. St/Hol)  
187'9 Denise Wood (Knox TC)  
181'3 Leslie Deniz (Ariz. St)  
177'11 +Betty Bogers (UTEF/Hol)  
177'7 Laura Messner (Tx)  
173'8 Lorna Griffin (Un)  
172'4 Jan Svendsen (Un)  
169'0 Carol Cady (Stanford)  
166'0 +Marita Walton (Md/Ire)

### Javelin Throw

209'2 Karin Smith (CP/SLO)  
193'6 Kate Schmidt (PCC)  
179'8 Dana Olson (Houston)  
177'8 Sherry Calvert (Un)  
165'11 Jacque Nelson (UCLA)  
165'9 Donna Mayhew (Ariz)  
163'4 Deanna Carr (Wash)  
163'1 Mary Osborne (Stanford)  
161'0 Roz Rouse  
161'9 Roz Rouse (Un)  
161'7 Susie Ray (UCLA)

### Heptathlon

5426 Joan Russell (Un)  
5292 Kerry Zwart (USC)  
5273 Cindy Grenier (Ore. St)  
5252 Susan Brownell (Va)  
5222 Carrie McLaughlin (SDS)  
4908 +Myrtle Chester (Tn/Guy)  
4868 Martina Breitung (Penn St)  
4855 Janet Adams (Iowa)  
4819 Helen Oberman (Penn St)  
4771 Chris Dubois (CP/SLO)

### 4x100 Relay (\* = Hand time plus 0.14)

44.79 UCLA  
45.14\* TWU  
45.50 Tennessee

## USA TOP TEN 1981 (continued)

45.50 Houston  
45.53 Florida State  
45.56 Atoms TC  
45.78 Arizona State  
45.94\* Arizona  
45.97 TSU  
46.00 Prairie View

### 4x400

(\* = Hand time plus 0.14; ° = 4x440 minus 0.3)

3:36.63 Tennessee  
3:37.84\* Prairie View  
3:39.77° LA Mercurettes  
3:40.35 UCLA  
3:41.11 Oregon

3:41.25° Stanford TC  
3:41.84 TSU  
3:42.03 Texas Southern  
3:42.24 Texas  
3:42.73 Virginia

### 4x800 Relay (\* = Hand time plus 0.14)

8:36.17 Tennessee  
8:38.45 Texas Southern  
8:41.24 Oklahoma  
8:46.56 Nebraska  
8:51.44 LSU  
8:53.43 UCLA  
8:54.36 Iowa  
8:55.73\* Florida State

9:06.12 Kentucky  
9:06.34\* CS Sacramento

### Sprint Medley (\* = Hand time plus 0.14)

1:31.91 Tennessee  
1:39.98 UCLA  
1:41.55 TSU  
1:41.59 TWU  
1:41.77 CS Los Angeles  
1:41.86 Arizona State  
1:42.24\* Texas Southern  
1:42.51 Prairie View  
1:42.53 Kentucky  
1:42.56 LA Mercurettes

WTW

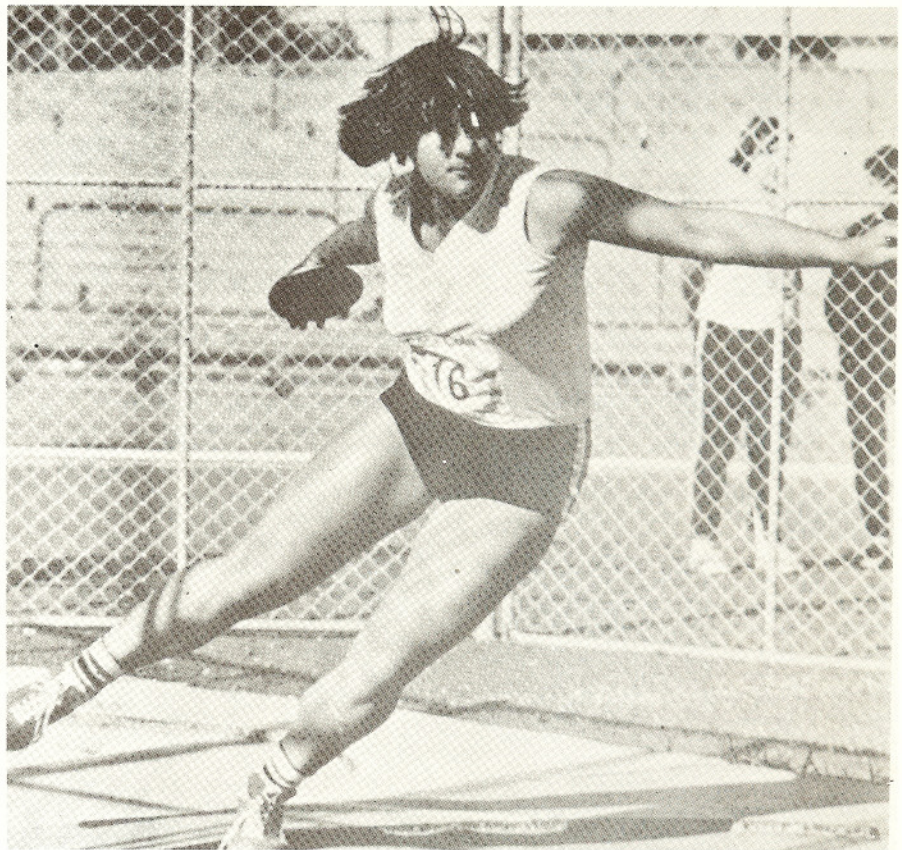
## OUTDOOR RESULTS (continued from page 28)

Lisa O'Dea (Ore) 9:30.7, 2—Eryn Forbes (Ore) 9:31.1, 3—Linda Goen (UCLA) 9:31.9; **100H**, 1—Lexie Miller (Ore) 14.04, 2—Chris Costello (Ore) 14.04, 3—Missy Jerald (UCLA) 14.13; **400H**, 1—Lexie Miller (Ore) 62.27; **4x100**, 1—UCLA (Bolden-Griffith-Fowler-Jerald) 44.79, 2—Oregon 46.64; **4x400**, 1—UCLA (Cumbess-Gutowski-Jerald-Fowler) 3:40.35, 2—Oregon 3:41.11; **HJ**, Tonya Alston (UCLA) 5'9"; **LJ**, 1—Lexie Miller (Ore) 19'4½, 2—Lisa Gouridine (UCLA) 18'4½, 3—Jackie Joyner (UCLA) 18'2½; **SP**, Susie Ray (UCLA) 49'3¼, 2—Heidi Kauti (UCLA) 46'5, 3—Quena Beasley (Ore) 45'6; **DT**, Karen McDonald (Ore) 151'0; **JT**, Susie Ray (UCLA) 161'7, 2—Jacque Nelson (UCLA) 154'9, 3—Sally Harmon (Ore) 151'4.

## Australian Report

from Bernie Cecins

Australia has now finished its 1980/81 track season and has the problem of selecting its team for the Oceania group at the World Cup during its winter months. The World Cup takes place in September. High class competition in the javelin highlighted the latter part of the Australian season. In Melbourne on January 15, Sue Howland won over Petra Rivers and Pam Matthews with a throw of 200'9. Rivers was next at 199'0 and Matthews threw 183'2. At the same city on February 4, Petra Rivers, whose life-time best was 204'2 which she made in 1973, tossed for a PR of 208'4. England's Tessa Sanderson was second at 205'7 followed by Howland at 195'5 and Matthews at 190'7. The USA's Karin Smith was a poor fifth with 188'2. Four days later at Sydney, Rivers cut loose with another good one and won with 208'0. Sanderson was close with 205'4 and Karin Smith improved to 199'6 for third. Back at Melbourne on March 7, three women javelin throwers were over 60m for the first time in Australia in the same meet, but the marks were not as good as previous winning performances as Rivers won with 202'3 over Matthews (198'11) and Howland (198'10½). A week later, Howland won it all with 196'1. Rivers threw 191'5 and Matthews 190'4 as



Gael Mulhall

none of the throwers made it to 60 meters. At the National Championship on March 21, Rivers won the title at 202'11 over Matthews (193'9) and Howland (191'10).

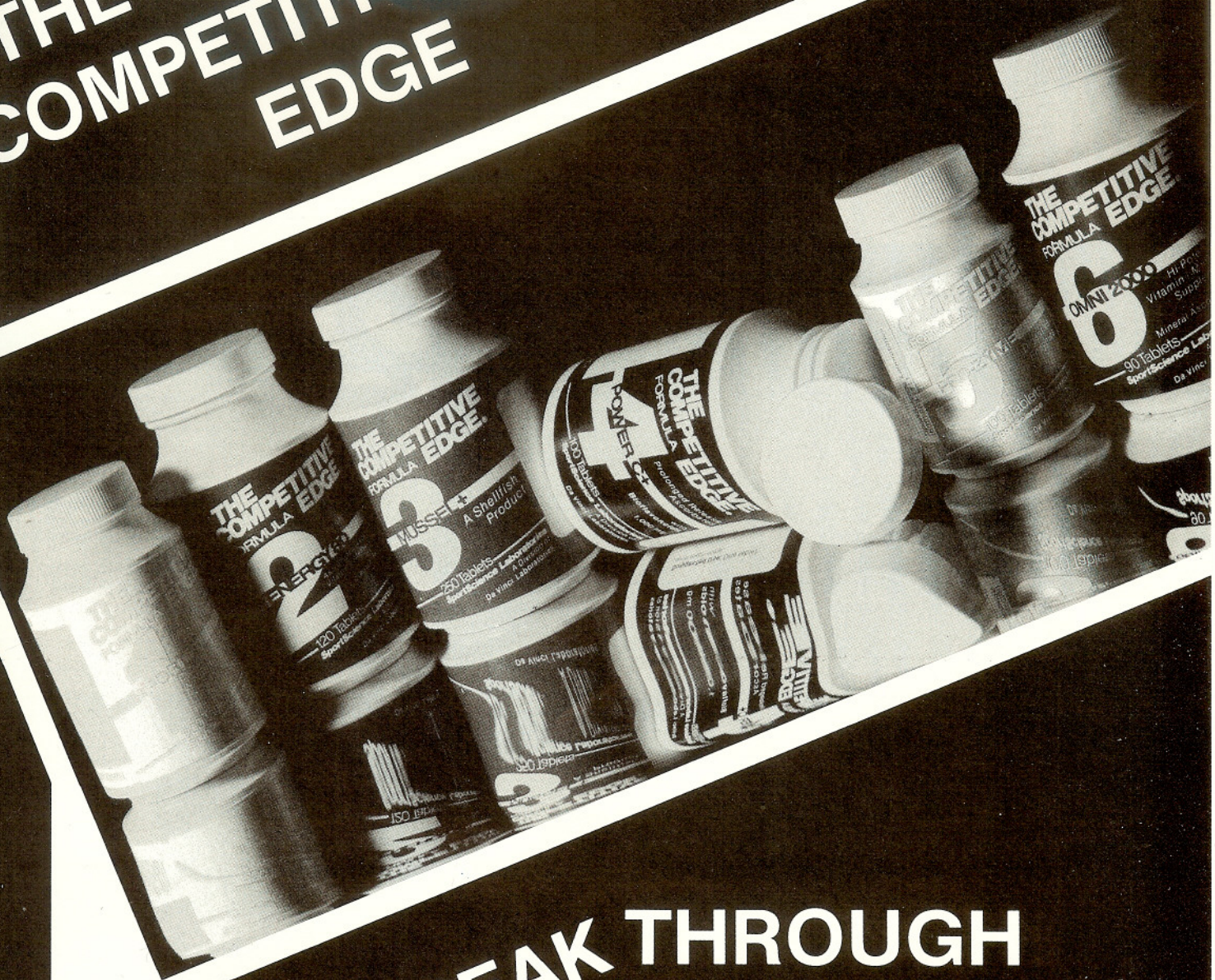
Among other fine performers from Australia were the following: Michelle Baumgartner (17) ran 400 in 52.7; 17-year-old Margaret Reddish turned in marks of 2:07.57, 4:19.97, 9:28.6 and 16:30.0; Lyn Foreman ran the 400m hurdles in a mixed race in 56.5, then came back to run

legit times of 57.4, 57.0 and finally 56.91 at the National Championships; Chris Stanton, in spite of a 2:53.4 mark for 800m, scored a record 5724 in the heptathlon. Other scores in this new event included 5554 by Saunders and 5333 by Katrin Harders, a junior record; Gael Mulhall had a fine discus mark of 199'10 at Melbourne on March 14; Chris Stanton moved up on the All-Time World List when she hopped over 6'3½ to beat Katrina Gibbs (6'2¾) at the Nationals.

WTW



# THE COMPETITIVE EDGE



## A BREAK THROUGH IN NUTRITION

SPORT 15 ● ENERGY 80 ● MUSSEL+ ● POWER C+ ● PRO-ZYME ● OMNI 2000

# DON'T BE MISLEAD . . .

SPORT 15

## 1 FORMULA

**SPORT 15**, based on the Russian "B-15" formula used in the olympics, was first introduced to the U.S. by our laboratories, and many professional athletes are now using **SPORT 15** as part of their training program. The active metabolite behind "B-15" activity is N,N-Dimethylglycine (DMG), a natural, non-toxic food component found in both plant and animal sources. The active ingredients in our **SPORT 15** formula are based on DMG and calcium gluconate as an equimolar mixture. DMG's value as part of a remedial or supplemental dietary program cannot be overestimated. As an intermediary metabolite, DMG can increase the utilization of oxygen in the body, bring about faster recovery rates and aid in detoxification. Athletes taking DMG report greater endurance and stamina; it also increases the body's immune response. Most important for athletes, however, is **SPORT 15's** ability to reduce the amount of lactic acid produced by the muscles during times of heavy exercise or stress, which, in turn, reduces the onset of cramps and fatigue in muscles.

**Suggested use:**  
3 to 6 tablets daily.

**Contents:**  
Microcrystalline Cellulose (Vegetable origin)  
Dicalcium Phosphate,  
Calcium Gluconate,  
N,N-Dimethylglycine,  
Tricalcium Phosphate



## 2 FORMULA

ENERGY 80

**ENERGY 80** is the most unique produce available to the athlete. This special fast-acting, fatigue fighting formula contains mineral ascorbates, aspartates, vitamins, methyl donors, and fat metabolizers, all of which contribute to an immediate increase in the athlete's mental alertness and energy output. L-glutamine and aspartates serve as brain fuel and increase mental awareness and concentration. Along with DMG, aspartates also play an important role in the production of energy in the muscles while under stress. **ENERGY 80's** fat metabolizers and methyl donors—methionine, betaine, choline, inositol, and lecithin—are effective in mobilizing fats and protecting the liver from fatty infiltration. **ENERGY 80** is formulated to up the athlete's energy production, and thereby optimize physical and mental performance.

**Suggested Use:** One with breakfast and one with lunch.

**Contains:**  
Vitamin C 250 mg. 417  
(as Calcium, Magnesium Ascorbate)  
Folic Acid 25 mcg. 6  
Vitamin B6 25 mg. 1250  
(Pyridoxine HCl)  
Vitamin B12 100 mcg. 1667  
(Cyanocobalamin)  
Pantothenic Acid 25 mg. 250  
Magnesium 50 mg. 13  
Lecithin 150 mg.

Choline (Bitartrate) 25 mg.  
Inositol 20 mg.  
N,N-Dimethylglycine  
Hydrochloride 20 mg.  
Betaine HCl 20 mg.  
PABA 25 mg.  
(Para-Aminobenzoic Acid)  
Aspartic Acid 200 mg.  
(as Potassium, Magnesium Aspartate)  
DL-Methionine 150 mg.  
L-Butamine 150 mg.  
\*No U.S. Recommended Daily Allowance (U.S. R.D.A.) has been established for this nutrient.



MUSSEL+

## 3 FORMULA

**MUSSEL +** is a unique, totally natural product of the sea. Produced from the edible Perna Canaliculus Mussel, it is a species of shellfish harvested from unpolluted waters. **MUSSEL +** is a concentrated, freeze-dried product, a complete cellular system similar to that of an egg yolk. The Perna Mussel is a food rich in protein, naturally chelated minerals, nucleic acids (RNA), and enzymes. **MUSSEL +** also contains all of the naturally occurring amino acids, including the eight essential to man. **MUSSEL +** is composed of protein muco-polysaccharide complexes, which are known to improve and support the lubricative systems of joints in the body. These complexes aid in the production of hyaluronic acid, important for improving the viscosity of the lubricating synovial fluid which lines the surface of bone joints. **MUSSEL +** gives support to the athlete's shock-absorbing system and thereby decreases wear and tear on the joints. It has been shown to be a cell regenerator and thereby can speed up the healing of bodily injuries. Athletes suffering from sore or injured muscles, torn ligaments or arthritis can definitely benefit from the use of this product.

**Suggested use:**  
Six or more tablets daily as desired.  
**Each tablet contains** 254 mg. of freeze-dried Perna mussel.



FORMULA	1 SPORT 15	2 ENERGY 80	3 MUSSEL+	4 POWER C+	5 PRO-ZYME	6 OMNI 2000
breakfast	1	1	1	—	1	1
lunch	1	1	1	1	1	1
dinner	1	—	1	1	1	1
bed time	—	—	—	1	—	—

The above program is recommended for individuals getting moderate exercise. The athlete under greater physical stress may wish to add to these levels as follows: FORMULA 1, add 3-6 tablets; FORMULA 3, add 6-10 tablets; FORMULA 4, add 2-4 tablets.

Individuals desiring a moderate supplement program may wish to take only OMNI 2000 and/or PRO-ZYME.

# COMPARE FORMULAS!

## 4

### POWER C+

#### FORMULA

**POWER C+** is recognized by leading nutritionists as the most advanced formula for a Vitamin C tablet. Each prolonged-release tablet contains 1,000 mg. of Vitamin C, as mixed mineral ascorbates, and, for increased efficiency, potassium citrate, seven mixed citrus bioflavonoids, rutin, and pectin. Ascorbates are the linking up of a mineral with Vitamin C. The body uses Vitamin C in the ascorbate form; thus, it makes sense to formulate it as ascorbates to ensure maximum assimilation in instances where the body may be deficient in minerals. The minerals present in **POWER C+** are a source of needed electrolytes, and also serve as a buffer, eliminating the side effects of acidosis and diarrhea which often accompany high level intake of Vitamin C. The prolonged release **POWER C+** tablet effectively releases Vitamin C over an extended period of time, supplying adequate levels of this incredible metabolite to the body cells at all times, day or night. Vitamin C is essential for the production of adrenalin and other hormones and also has beneficial detoxifying properties. Vitamin C can substantially reduce the time needed for the healing of wounds or injuries; it also steps up energy production and gives a greater sense of mental awareness. Studies with athletes have shown that when bioflavonoids accompany Vitamin C, the effectiveness of the latter is increased by over 50%.

<b>Suggested Use:</b> One tablet with each meal.	Manganese	125 mcg.	
	Potassium (Citrate)	60 mg.	
	Seven Mixed Bioflavonoids Plus Rutin (Rose Hips, Acerola, Cherry, Orange, Lemon, Grapefruit, Hesperidh)	100 mg.	
<b>Each tablet contains:</b>	% U.S. RDA		
Vitamin C (as Mineral Ascorbates Listed)	1000 mg.	1667	
Calcium	40 mg.	4	
Magnesium	40 mg.	10	
Zinc	2.5 mg.	17	

#### FORMULA

### PRO-ZYME

## 5

The **PRO-ZYME** formula, when taken with each meal, improves digestion and allows more nutrition to be delivered to the body's cells. The proper digestion of food is critical to the optimum performance of any athlete. You are what you eat; but those essential food factors won't be assimilated—taken into the body—if the food is not properly digested. Factors which inhibit efficient secretion of enzymes include physical and mental stress, fatigue and age. **PRO-ZYME** eliminates many problems associated with inadequate digestion such as heartburn, gas, and other stomach upsets. Digestion is the process by which foodstuffs are broken down into smaller components. Proteins, fats, and carbohydrates, for example, are broken into smaller pieces before being assimilated from the G.I. tract into the blood stream. This process of breaking down is accomplished by enzymes which are produced in the body or are present in the food itself. The enzymes in **PRO-ZYME** supplement the body's own enzymes and increase the assimilation of your food; athletes who need to build up body mass and restore muscle density will benefit from **PRO-ZYME**. The **PRO-ZYME** formulation is the most complete enzyme system available on the market today, and contains all the necessary classes of enzymes required for proper digestion of food.

**Suggested Use:** One tablet with each meal.

#### Each Tablet Contains:

Pepsin	50 mg.
Bromelain	50 mg.
Ox Bile (Enteric Coated)	30 mg.

Pancreas Substance (Enteric Coated)	200 mg.
Papain (Enteric Coated)	50 mg.
Protease Enzymes (Enteric Coated)	100 mg.

Amylase Enzymes	100 mg.
Lipase Enzymes	25 mg.
Cellulase Enzymes	10 mg.
Betaine HCl	100 mg.

## 6

### OMNI 2000

#### FORMULA

**OMNI 2000** is the first multi-vitamin mineral supplement which fulfills the special needs of athletes for basic supplementation. It represents the foundation of the athlete's nutritional program, providing all the major vital food factors. **OMNI**'s broad spectrum, high-potency, multi-vitamin mineral formula supplies all essential vitamins, minerals, and fat metabolizers plus anti-stress and anti-aging components, such as Ribonucleic Acid (RNA) and N,N-dimethylglycine (DMG). **OMNI 2000** is one of the few multi-vitamin products which includes RNA and DMG together, which can significantly contribute to increased energy levels. Also built into the **OMNI 2000** formula is a complete stress B formulation, 400 I.U. of Vitamin E and 1000 mg. of Vitamin C as mineral ascorbates. All the minerals in **OMNI 2000** are naturally chelated for maximum assimilation. The formula of over 35 essential nutrients has been designed to maximize the complex relationships among food factors. **OMNI 2000** is serious, balanced nutrition—a product ahead of its time.

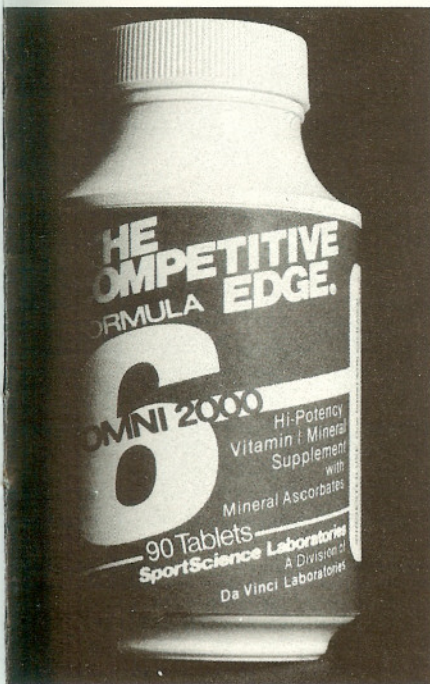
**Suggested Use:** One tablet with each meal.

<b>Three tablets contain:</b>	% U.S. RDA	
Vitamin A (Fish liver oil) (Cholecalciferol)	15000 I.U.	300
Vitamin D3	200 I.U.	50
Vitamin E (d-alpha-Tocopheryl Succinate)	400 I.U.	1333
Vitamin C (Mineral Ascorbates)	1000 mg.	1667
Folic Acid	300 mcg.	75
Thiamine (Vitamin B1)	60 mg.	3996
Riboflavin (Vitamin B2)	60 mg.	3525
Niacinamide	60 mg.	299.7
Vitamin B6		

(Pyridoxine HCl)	60 mg.	2997
Vitamin B12 (Cyanocobalamin)	15 mcg.	250
Biotin	200 mcg.	67
Pantothenic Acid	60 mg.	599
Calcium (Ascorbate)	100 mg.	10
Phosphorus (Bonemeal)	50 mg.	5
Iodine (Kelp)	30 mcg.	20
Iron (Hydex)	10 mg.	56
Magnesium (Citrate, Ascorbate)	100 mg.	25
Copper (Gluconate)	50 mcg.	2.5
Zinc (Ascorbate)	15 mg.	100
Chromium (Yeast)	30 mcg.	
Manganese (Ascorbate)	5 mg.	
Molybdenum	30 mcg.	40

Potassium (Proteinates)	50 mg.
Selenium (Yeast)	30 mcg.
N,N-Dimethylglycine Hydrochloride	40 mg.
RNA (Ribonucleic Acid)	60 mg.
Lecithin	200 mg.
Choline	60 mg.
Inositol	60 mg.
PABA (Para-aminobenzoic Acid)	60 mg.
Citrus Bioflavonoids	300 mg.
Hesperidin	120 mg.
Pectin	50 mg.

\*No U.S. Recommended daily Allowance (U.S. R.D.A.) has been established for this nutrient.



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 \_\_\_\_\_ btl. 100 tbs. \_\_\_\_\_  
 \_\_\_\_\_ Mint Chewable—\$ 8.95 ea. \_\_\_\_\_

#### 3 MUSSEL +

\_\_\_\_\_ btl. 100 tbs.—\$ 9.95 ea. \_\_\_\_\_  
 \_\_\_\_\_ btl. 250 tbs.—\$19.95 ea. \_\_\_\_\_

#### 5 PRO-ZYME

\_\_\_\_\_ btl. 90 tbs.—\$11.95 ea. \_\_\_\_\_

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 \_\_\_\_\_ btl. 120 tbs.—\$18.40 ea. \_\_\_\_\_

#### POWER C+ 4

\_\_\_\_\_ btl. 90 tbs.—\$10.95 ea. \_\_\_\_\_

#### OMNI 2000 6

\_\_\_\_\_ btl. 90 tbs.—\$16.95 ea. \_\_\_\_\_

SUBTOTAL \_\_\_\_\_

SUBTOTAL  
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