Trackmen host Penn State Open

Daily Collegian Sports Writer

opportunity is still there. Almost 800 collegiate and club athletes will gather at 4 this afternoon at Nittany State Open Invitational, Penn State coach Harry Groves promised it will be a

"As usual, the Penn State Open is the best college meet in the state for 1981," Groves said. "It is track and field at its best and well worth the watching.

"This meet can't amount to anything you will see on television — it's going to e that good. I can't promise any world ecords, but there haven't been any of

them broken lately."

ten into the books this afternoon. For all the Penn State sports fans who Last year 10 records were broken and the outcome of the 1,600 will be. have not yet seen the the men's track six NCAA qualifying marks were obteam in action this season, don't fret. The tained. Top collegiate teams from East Caroli-

> top sprinters in the country, will be any given day, any team can win. Derrick Revnaldo. Reynaldo was named the outstanding their baton, and we could beat them." athlete at the Pitt Invitational last week-

na, Maryland, Seton Hall and Villanova

Seton Hall holds the fastest 1,600 relay time in the nation at 3:02.9 and will present a stiff challenge to the Lions' tandem of Vern Lucas, Paul McLaughlin. Mike McCahill and Paul Lankford.

Penn State currently holds the meet world records broken, he said 11 Penn Tom Walchuck ran the second leg last there.

ford said, "and they have run some right time.

"On paper, if they run their best race and we run our best race, they can still Running for Seton Hall, which has the beat us. But as they say, theoretically, on

fantastic races. Honestly, I don't know if

Top competitors from the Baltimore Olympic Club and the Philadelphia Pioneer Track Club, as well as the United States Marines, will compete in the

Bob Sing of the Pioneers, the outstand- walkers in the country. ing field performer at the Nittany Lion record in the 1,600 relay (3:10.85) with Relays two weeks ago, will try to better

Anchor-leg Lankford is unsure of what be of the same top-notch quality. "Seton Hall is always tough," Lank- is the right meet, at the right place, at the

"People come here because we have a

great facility and the weather is right. Also, this is the best meet right before the big championships, like the IC4As next weekend, and people want to run." Preceding the meet at 3:30 p.m. will be "Who knows," he said, "they may drop a 5,000 meter race-walking competition. A four-man field, two of which are Penn

> Former Lion Len Jansen, who will compete representing the Shore Athletic Club, is considered one of the top race

State graduates, will compete in this

Going against him are Bill Norton of Though Groves does not expect any the same team except for McLaughlin. the javelin throw of 253 feet he made the Reading Athletic Club, Penn State By ED SCHUYLER JR. Among those who will try to beat **AP Sports Writer** BALTIMORE (AP) - Pleasant Pleasant Colony are Woodchopper Colony will face seven horses he and Partez, the second- and thirdbeat in the Kentucky Derby and six place finishers, respectively, in the newcomers to Triple Crown compe- Derby.

Preakness favorite

Pleasant Colony is

tition tomorrow in the Preakness at Greentree Stable's Woodchopper. ridden by Eddie Delahoussaye, was John Campo, Pleasant Colony's made the second early choice at 4-1, trainer, expects the same result in while Partez, owned by Elizabeth the Preakness as in the 14-mile Davis and Henry Greene and ridden by Sandy Hawley, was picked fourth Derby that was run on May 2. "I'm a bad trainer, but I can't at 6-1.

screw him up in two weeks," Campo The speedy Bold Ego, owned by said yesterday before entering his J.D. Barton and Dr. Joseph Kidd colt in the biggest Preakness field and ridden by John Lively, was the since 14 3-year-olds ran in 1970 when third choice at 5-1. Bold Ego finished 10th in the Derby after engaging in a Pleasant Colony, who has won the speed duel with Top Avenger for the Wood Memorial and the Derby in his first half-mile. only two starts for Campo, was Other Derby starters entered in made the early 5-2 favorite to take a the Preakness are Pass The Tab, successful second step toward the who was sixth; Flying Nashua, who was eighth; Double Sonic, who was

colors of Thomas Mellon Evans' 19th. Buckland Farm, will start from the If 14 horses start, the purse will be No.13 post position under Jorge Ve- a Preakness record \$271,800, with a lasquez, who first rode him in the record \$201,800 going to the winner.

State Open records are in jeopardy and season and McLaughlin, a transfer from Groves said he feels the overall field is also of the Shore Athletic Club. Lady Lions aiming for qualifying times

interviews.

Daily Collegian Sports Writer For many Penn State students, tomorrow will be the last chance to enjoy college life before settling down to the cold reality of late-night cram sessions and tense testing environments. Finals are coming.

For the women's track team, tomorrow will be the last chance to perform at home before venturing to Austin. Texas, for the Association for Intercollegiate Athletics for Women national championships as it hosts the Penn State Open beginning at noon tomorrow at Nittany Lion Track.

Rutgers, Princeton and other schools. Penn State coach coming up in two weeks. Getting these qualifying times Gary Schwartz said he has two goals in mind for his is Schwartz's second goal.

competitive edge" going into nationals. That might be meet. of the intensity they had during last week's victory at themselves," he said.

people 'just go on vacation' and really let down. "I think all of our kids are going to try hard. Whether

that amounts to personal bests or not, I don't know." To try to avoid that letdown, he said, the Lady Lions. will juggle their lineup, with some people competing in

Schwartz said tactics like these will "give other incentives to keep them geared up." Some Lady Lions will not need any special incen-The open will feature athletes from St. John's, tives. They are trying to qualify for nationals, which is

He said Penny Fales, Vivian Riddick and Marilyn First, Schwartz said he would like to "try to maintain Senz all have good chances to qualify during tomorrow's

lifficult, though, because the Lady Lions may lose some "They've got to relax and just let things take care of Fales will be trying to qualify in the 400-meter

"I think this will be a really good meet to qualify,"

Fales said. "I'll just have to push myself a little harder. "I want it really badly. This is my senior year, and I Fales said she has to concentrate on "being aggresdifferent events than usual and trying for personal sive over the hurdles and attacking them" in order to do bests. The team will also attempt to break some school

> the key to good performances. Schwartz said he agrees. "Vivian tried too hard last week," he said. Senz, who will be trying to qualify in the javelin, said improve on her best throw by about two inches. In order everyone — even for the men's golf team, Bob Holdcroft, Mike Boyle, Jim Boyle, to do this, she said, she will concentrate on changing her

throwing motion slightly "Last Saturday I was 'throwing darts,' " Senz said. After facing competition this season "I was throwing the javelin at too low of an angle. This against schools such as Ohio State, time I'm going to be concentrating on throwing the Temple and Navy, the Lions will be able Senz, who will also be competing in the shot put and the Alumni Tournament at 10 a.m. at the

With sunny skies in the forecast, this The Lions' team will consist of Bob

which has just completed one of its Mike Price and Chris Braun.

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Golfers' season finished, In the long jump, Riddick said she feels relaxation is ekey to good performances. Schwartz said he agrees. host alumni tournament

The leggy colt, who races in the 11th, and Top Avenger, who was

weekend should be an enjoyable one for Philips, Tom Bean, Steve Krolikowski,

to take it easy tomorrow when they host

proximately 20 alumni will return for this 👻 tourney, in which he will match up one Lion player to play with three alumni.

- by Kathy Andrews

for school board LORETTA JEFFREYS and TOM BENSON

discus, needs a throw of 156 feet to qualify in the javelin. Blue Golf Course.

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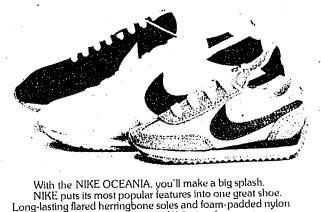
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oth men and women. And OLLIE and OLIVIA

the SCOTE DOCT C

PENN STATE vs. James Madison, 9:30 a.m.

Tomorrow's Schedule (at Jeffrey Field)

Today's Schedule (at Lady Lion Field I)

sachusetts vs. Rhode Island, 11:30 a.m.

Temple vs. Ursinus, 4 p.m.

Fifth place playoff, 11:30 a.m.

Lehigh 6. Boston College 2

Lehigh vs. Colgate, 1:30 p.m.

Loyola vs. Delaware, 3:30 p.m.

Colgate 13, Richmond 7

Delaware 22, Ithaca 6

Seventh place playoff, 9:30 a.m.

AIAW lacrosse

PENN STATE 5 3 -8 First Half- 1, PSU, Finn (64), 0:15. 2, PSU,

Finn (65), 3:43. 3, PSU, Thompson 27 (Williams), 4:45. 4, PSU, Gray (19), 11:13. 5, MD, Lanahan (45), 11:32. 6, MD, Lanahan (46), 11:52. 7. MD. Schoffeld 29 (Lanahan), 17:26. 8, MD, Watson (7), 17:40. 9, PSU, Gray 20, (Thompson) 19: 10. MD, Lanahan (47), 24:58. Second Half- 11, PSU, Finn 66 (Williams). PSU, Gray (21), 32:52. 14, MD. Lanahan (49) 36:26, 15, MD, Schofield 30 (Duncan), 38:28, 16, MD. Williams (2), 39:10. 17, MD, Duncan (8); 41:31. 18, MD, Schofield (31), 43:36. 19, PSU, Thompson (28), 49:00. 20, MD. Lanahan (50)

State (Logan) 1-4-5. Yesterday's Result Maryland 12, PENN STATE 8 Harvard 11, James Madison 4

Shots on Goal- Maryland, 8-13-21; Penn State

Temple 8. Massachusetts 6 (OT) Ursinus 11, Rhode Island 3 Today's Schedule (at Jeffrey Field

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Boston College vs. Richmond, 9 a.m. Plymouth State vs. Ithaca, 11 a.m. Tommorrow's Schedule (at Lady Lion Field I) New York Chicago Fifth place playoff, 11 a.m. Seventh place playoff, 9 a.m. Trenton State 11, Denison 2 San Francisco St. Lawrence 7, Longwood 6 Franklin & Marshall 11, Bridgewater kronich's kronich's kronich's kronich's

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Seventh place playoff, 9:15 a.m. Major league baseball NATIONAL LEAGUE

Trenton State vs. St. Lawrence, 1:30 p.m.

lettysburg vs. Bridgewater, 11:15 a.m.

Tomorrow's Schedule (Lady Lion Field II)

Denison vs. Longwood, 9:15 a.m.

Championship, 3:45 p.m.

Third place playoff, 1:45 p.m.

Wheaton vs. Franklin & Marshall, 3:30 p.m.

LOS ANGELES (AP) — As jury selec-federal court even though he had brought tion continued yesterday in the antitrust a settlement in a sticky case involving suit by the Super Bowl champion Oak- the Equity Funding Corporation nine land Raiders to move to Los Angeles, the years ago. judge in the case brought in a mediator in Attorneys involved in the Raiders case

W... L....Pct...GB.

neys of the Raiders and the NFL. tried unsuccessfully to reach an out of replacing the Los Angeles Rams, who Attorneys weren't optimistic that

the hope of settling without going to trial. refused comment on the Loeffler situa-Attorney Robert M. Loeffler is the man tion. trying to negotiate a settlement among
The NFL continues to seek a change of the Los Angeles Coliseum, the Raiders venue, claiming jurors from the Los and the opposing National Football Angeles area would be prejudiced in this Loeffler would only say, "I have been In a concession to the NFL, the judge asked by the judge to try and mediate a focused on persons living outside of Los settlement. I can't discuss anything

Mediator appointed

in Raiders-NFL case

the chief attorney for the NFL, objected He did admit the authenticity of a Los to having local jurors. Angeles Herald Examiner story which said Loeffler had been talking with attorbrought suit in 1978, claiming the NFL U.S. District Judge Harry Pregerson was illegally trying to keep a team from

moved from the Coliseum to Anaheim Loeffler could bring a settlement before The Raiders joined the antritrust suit the Raiders-NFL case goes to trial in last year.

Angeles County because Patrick Lynch,

THE PENNSYLVANIA STATE UNIVERSITY NEW KENSINGTON CAMPUS SUMMER 1981 **COURSE OFFERINGS**

June 9, 1981 to July 31, 1981

4 MTWThF Biomedical Equipment Laboratory (Internship) Practical experience, within or related to the hospital environment, on a variety

Prerequisite: BET 804 and Biol 41 (6/9 to 8/20) Biological Science 2 3 MTTh 6:00p.m.-8:00p.m. volutionary Relationships of Organisms. Examination of the biological world in terms of reproduction, genetics, evolution, development, diversity; interrelationships and interdependence passed Biol 33, 111, 112, 113, or 222 may not schedule this class.

Independent Study. Note from the Instructor: In this course the student conducts an independently designed original researc project in conjunction with the faculty memb hough some latitude for projects exists they are generally limited to studies of human cytogenetics, somatic cell hybridize tion and biochemical taxonomy. Within these apparent narrow projects. Consent of the concerned faculty member is required

ntroductory Chemistry. Selected principles and applications chemistry. Prior study of chemistry not assumed. 3 MTTh Basic Concepts and Quantitive relations. Prereq: Satisfactory Organic Chemistry, introduction to organic chemistry with emphasis on the properties of organic compounds of biochemical importance. Prereq: Chem 11 or 12

ntroduction to Algorithmic Processes. Properties of algorithms anguages, and notations for describing algorithms; applications of a procedure-oriented language to problem solving. Students who have passed Cmp Sc 201, 203, 401, or 402 may not schedule this course. Prereq: 2 entrance units in mathematics. Computer Science 102 3 MTTh 8:10p.m.-10:10p.m Computer Organization and Programming. Computer components and organization, representative of numbers and characters, Instruction codes, machine language programming, assembly systems, input-output, subroutines, and macros. Pre-

Computer Science 140 3 MTTh 6:00p.m.-8:00p.m. Introduction to Date Processing. Applications of digital computers to problems in data processing with examples from accounting, record updating, inventory control, and report generation.

Introductory Macroeconomic Analysis and Policy. National income measurement; aggregate economic models; money and Electrical Engr 813 3 MTWThF 8:00a.m.-4:00p.m. Fundamentals of Electrical Machines. Direct-current machinery principles and applications; introduction to machine and basic Prereg: EE814, 818 (5/25 to 6/12)

Statics. Equalibrium of coplanar force systems; analysis of frames and trusses, nonconcoplanar force systems, friction centroids and moments of inertia. Prerequisite or concurrent Dynamics. Motion of a particle; relative motion; kinetics of translation, rotation, and plan motion; work-energy; impulse-momentum. Prerequisite: EMch 11 Engineering Mechanics 12 3 MTTh 8:10p.m.-10:10p.m.

in beams; elastic curves and deflections of beams; combined stress; columns. Prerequisite: E Mch 11 Basic Writing Skills. Intensive practice in writing sentences and paragraphs and instruction in grammer, usage, and punctuation may not be used to satisfy the basic minimum requirements for graduation in any baccalareate degrees program. Composition and Rhetoric I. Organization and writing clear

Strength of Materials. Axial stress and strain; torsion: stress

expository essays. Prerequisite: Engl 4 or satisfactory performance on English Proficiency Exam. omposition and Rhetoric II. Building and presenting coger written arguments, with attention to style. Prerequisite: Engl 10 3 MTTh Modern American Literature to World War II. Eliot, Frost, Faulkner, Fitzgerald, Hemingway, O'Heill, and other writers representative of the years between the world wars. Prereq. o

Finance 807 10:40a.m.-1:10p.m Banking and Corporate Finance. History of Pennsylvania. Chronological and topical survey emphasizing immigration of diverse ethnic groups, religious political, economic, and social developments, including industri

n.q08:5-,m.q08:8 Modern Science and Human Values, Relationships of science t

Intermediate Algebra. Polynomials, fractions, exponents, radicals, first and second degree equations and inequalities, relations and functions, systems of equations. Limited to students whose scores on the algebra proficiency examination indicate a

binomial theorem: matrices, determinants; analytic geometry. Prerequisite: 1 unit of algebra or Math 4 Plane Trigonometry. Functions; use of logarithms; solution of triangles; trigonometric equations; identities. Prereq: 11/2 units algebra or Math 5, 1/2 unit geometry.

ties, lines, and conic sections. Limited to students whose scores on the algebra and trigonometry proficiency examination indi-

integrals. Prereg: Math 162 3 MTTh

3 MTTh Technical Calculus. Selected introductory topics from analytic geometry, differential calculus, integral calculus. Prerequisite:

biological samples. (6/9 to 8/20) 3 MTTh 6:00p.m.-8:00p.m

General Physics. Mechanics, wave motion, and sound. Prereq-Political Science 1 3 MTTh American National Government. Development and nature of

. 3 MTTh Psychology 2 3 TTh quantitative methods for conceptualizing business and manage ment problems. Prereq: Math 18, 120 3 MTTh. 8:10p.m.-10:10p.m

The Art of the Theatre. Forms and styles and dramatic experi ence; cultural functions of theatre in the past and present. For nontheatre majors only.

TUITION of \$52 per credit or \$472.00 for eight (8) credits or more will be payable on or before Wednesday, June 3rd. The official CATALOG COURSE DESCRIPTIONS have been published for the convenience of students and their advisors

aspirations, values, and arts of man. 3 MTTh

> 3 MTTh College Algebra. Relations and functions; roots of polynomials and complex numbers; sequences, mathematical induction;

3 MTTh 8:10p.m.-10:10p.m neous equations; exponents, logarithms, binomial theorem;

Techniques of Calculus I. Functions and graphs, derivations applications. Students may take only one course for credit from algebra proficiency exam or, in the case of an unsatisfactory score, the course(s) necessary to make up the deficiencies

ntermediate Calculus with Applications I. Functions of two variables; the chain rule; vectors in space; double and triple Matrices and Statistics. Systems of linear equations; matrix algebra; determinants; eigenvalues and eigenvectors; applica-tions to differential equations; statistics. Prerequisite: Math 162

Mechanical Engr 22 3 MTTh 6:00p.m.-8:00p.m. Engineering Thermodynamics. Basic termodynamic concepts and definitions, first and second law of termodynamics, prop 8 MTWThF Clinical Laboratory Orientation for Medical Laboratory Technicians, Introduction to basic principles of clinical laboratory work, including the collection, handling, and preparation of

Major Figures in Philosophy. The work of a single author or Descartes, Sartre, Marx, Nietzsche, Wittgenstein. Physical Education 5 1 MTTh Physical Education. Activities to develop physical and recreational skills. Activity will be Tennis I. 4 MTTh

ments, policy making processes; sources of conflict and con 8:10p.m.-10:10p.m sychology. Introduction to general psychology; principles of ntroduction to Quantitative Business Analysis. Introduction to

ntroductory Sociology, Social structure; basic human institu tions; analysis of social processes; major social forces. Social Problems. Poverty, delinquency, crime; family discord industrial, race, and nationality conflicts and mental disorders 3 MTTh 8:10p.m.-10:10p.m

Effective Speech. Introduction to speech communications

formal speaking, group discussion, analysis and evaluation of

CLASSES will begin on June 9, Tuesday, unless otherwise noted. FINAL EXAMINATIONS will be on July 31, 1981. An on Campus preregistration will be held May 13 and 14 from 5:30 p.m. to 7:00 p.m. Students may also preregister Monday through Friday, 8:00 a.m. to 11:00 a.m. and 1:00 p.m. to 4:00 p.m. in the Administrative Service Center. ALL STUDENTS will FINAL register for Summer term classes by presenting their fee receipt from 8:00 a.m. to 3:30 p.m. or from 5:30 p.m. to 8:00 p.m. on Tuesday, June 9th.

Official transcripts of your Summer term course work will be available after August 31, 1981. You may pick up a transcript request form in the Administrative Service Area or from the person at the Information desk.

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