

In Performance Laboratory

Endurance Tested

By Mike Rosenfield and Wilson Smeltz

Inscribed upon a narrow gray building in the midst of tall, rangy pines that shadow Old Beaver Field are the words "Human Performance Research Laboratory." In this isolated structure, experiments are being conducted which may give scientists a better insight into the durability and stamina of the human body.

Heading a staff of seven scientists and technicians is Dr. Ellsworth R. Buskirk, a faculty member and one of the nation's foremost environmental physiologists. The experiments are concerned mostly with the endurance of the human body. The "guinea pigs" of the experiments, who are members of the University student body and faculty, are tested throughout by scientific instruments.

Testing Area
The laboratory contains a shop to repair the testing instruments. Another part of the laboratory is the testing area which has a treadmill, and yet another room contains an immersion tub which tests a person's ability to withstand thermal pressure of hot and cold water. On the 20 machines used in the lab, most are dedicated to testing the extremes of heat, cold and dehydration of one's body.

In the chemistry lab, results of the experiments can be analyzed. Adjacent to this room is the pre-conditioning room where volunteers for the various experiments are given complete medical examination before the experiments.

Variety of "Guinea Pigs"

Some experiments are performed on lean persons, some on overweight persons, while others are performed on physically fit specimens. For instance, the Penn State cross-country team was subject of a recent experiment. Dr. Kolins of the laboratory staff, assisted by Miss Moody, tested the participants to determine their energy turnover level, or more simply, how quickly they can produce energy.

The University and the federal government are footing the bill for the entire project. Pitt is the only other school in the state doing research in this field although not as extensive as that of Penn State.

This project promises to be a great cornerstone for future development in the field of human physiology. The program for expansion on this campus will depend largely on the interest taken by students, faculty and financial institutions.



BODY SURFACE TEMPERATURE is taken before Herbert B. Lundgren, assistant professor of physical education, begins a 20-minute walk on the treadmill as a part of a study at the Human Performance Laboratory to determine ability of women to tolerate heat stress. Study is conducted by Dr. Ellsworth R. Buskirk, director of the Human Performance Laboratory.

Navy Names Elias To Replace Hardin As Football Coach

ANNAPOLIS, Md. (AP) — Bill Elias, football coach at Virginia the past four seasons, became head coach at Navy yesterday, succeeding Wayne Hardin, who resigned last month in a contract dispute.

Elias' appointment to a one-year contract was announced by Capt. William S. Busik, director of athletics.

The terms were not disclosed, but Busik said Elias' salary would be in the vicinity of that paid Hardin, who reportedly was making \$19,000 a year.

Elias, 41, will come here today for talks with Navy assistant coaches and to make plans for his new job, Busik said.

Elias posted a 16-23-1 record at Virginia and was Atlantic Coast Conference coach of the year in his first season, 1960. He coached in 1960 at Georgia Tech where his team won a 5-3-1 record. Prior to that he was an assistant coach at Washington, where his team won a 4-4-1 record at Richmond, Ind.

He is a 1948 graduate of the University of Maryland, where he earned a master's degree at Maryland in 1958.

He is a native of Martins Ferry, Ohio.

Elias' record last year was 5-6, including a 35-14 upset of Army. Busik said the victory over Navy's arch-rival was impressive to academy officials but "was not the overriding factor."

Hardin's departure from the Navy coaching job came surprisingly and suddenly after he had lost his first game to Army last fall following five straight victories over the Cadets.

But his differences with academy officials reportedly went beyond a losing season.

Foyt Blames Bad Brakes

RIVERSIDE, Calif. (AP) — A. J. Foyt, two-time winner of the Indianapolis 500, said from his hospital bed yesterday that faulty brakes led to his crash in the Riverside 500-mile stock car race Sunday.

He said that "I had brake problems and he was an assistant coach at Washington, where his team won a 4-4-1 record at Richmond, Ind."

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University Theatre announces TRYOUTS for Harold Pinter's "The Carotaker"

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LITTLE THEATRE (Basement of Old Main)

Peery To Resign, Says Post-Gazette

PITTSBURGH (AP)—Rex Peery, who started from scratch and turned Pitt into a wrestling power, is going to resign, the Pittsburgh Post-Gazette said yesterday.

Peery, coach of the United States Olympic wrestling team in Tokyo last summer, will remain at the university as a physical education instructor and may coach golf, the newspaper said.

Peery left Pitt in 1960 when the school added wrestling to its athletic program.

The first year the Panthers struggled through with a dismal 0-10 mark. The next season it was 7-7, followed by a 9-2 year and then a 10-1 year.

In the 15 seasons, Peery's teams won 112 dual meets, lost 37 and tied three. Pitt wrestlers won 11 national and 22 eastern individual titles.

The Post-Gazette said Peery would not accept his resignation. Peery gave the special reason for wanting to step down, the paper said, "he's been coaching 32 years."

His Pitt teams hold victory trophies over such wrestling powerhouses as Army 10-3, Lehigh 6-4, Maryland 5-0 and Michigan State 5-2 and is 7-2 with Penn State.

Peery himself was quite a wrestler. He won three national titles in the 118-pound class at Oklahoma State.

His sons, Hugh and Ed, went outstanding wrestlers as well. Hugh won the NCAA 119-pound title three times and competed in the Olympics. Ed won the NCAA 125 pound crown three times.

Fitness Solution To Be Offered

The College of Physical Education and Athletics yesterday announced that it will offer a self-improvement course in physical fitness, open to all male students.

The course is a non-credit fitness program in weight training, isometric exercises and body coordination.

Interested persons should contact athletic trainer Jim Hechinger in the Rec Ed building, room 111, weekdays between 4 and 5 p.m.

Hull Captures Lead in NHL Prize Race

MONTREAL (AP) — Bobby Hull, Chicago's dynamic 19-year-old star, led the Montreal Canadiens to a 3-1 victory over the Boston Bruins in the NHL prize race yesterday.

Hull scored two goals in the first period, and the Canadiens won the game in overtime.

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Believes Solution Attainable New AA Prexy Willing To Meet NCAA Officials

NEW YORK (AP) — Clifford H. Buck, new president of the AAU, expressed a willingness to meet with the NCAA "at the highest possible level" and "track and field at the domestic level" yesterday he believes a solution to the long, complex issue of control of track and field can be reached.

Buck, of Denver, told the New York Times Writers Association: "If the president of the AAU can presume to have a platform, mine would include two basic planks."

"1. To launch an improved program for athletics and sports. 2. A prime objective must be the satisfactory settlement—a mutually satisfactory settlement—of the difference of opinion between the AAU and the other organization."

The National Collegiate Athletic Association, which represents the majority of the nation's colleges, in its recent convention in Chicago passed a resolution calling for "direct communication with the AAU" in order to open negotiations leading to "cooperative carting and sanctioning" of track and field at the domestic level.

Buck said, "I have not yet had any communication from the NCAA, but I am eagerly looking forward to it. Their recent actions are most heartening."

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FRATERNITY Table with columns for Delta Theta Sigma, Phi Kappa Phi, etc.

DOMESTIC Table with columns for Bucks & Walnut, Lyncoln & Blue, etc.

FRATERNITY Table with columns for Sigma Phi Epsilon, Phi Mu Delta, etc.

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