

Satellite Begins New Forecasting Era

By JOEL MYERS

The launching of the Vanguard weather satellite on Feb. 17 was the beginning of a new era in the field of weather research and forecasting. It was the first of many steps to be taken in an effort to improve the forecasting accuracy of the meteorologist.

For the past sixty years, the meteorologist has been basing his weather predictions on a weather map. This map is a composite picture of individual weather phenomena observed at various weather stations which are scattered throughout the Northern Hemisphere. While the weather map is a necessity in preparing a forecast, the amount of time necessary to compile it puts the forecaster at a definite disadvantage.

One of the major obstacles facing the weather forecaster is time. Weather events are constantly changing, sometimes very rapidly, and the time needed to transmit, plot and analyze the weather data might be enough to make the forecast obsolete by the time it is issued to the public.

Weather satellites appear to be the eventual solution to the time problem. By a network of weather satellites to relay weather data back to earth in a continual stream, the weather forecaster will be immediately aware of any important weather changes.

The first weather satellite will not be of any immediate use to the weather prognosticator, but will act as a pioneer in establishing certain basic relationships. This first weather observation station in space will send back a continual barrage of cloud information for all parts of the earth. It has two photo cells which operate somewhat like a wirephoto transmitter. It scans the earth's surface distinguishing between the light areas, clouds and the dark areas, land and water. This information, in the form of a

code, is then relayed to a computer on earth which translates the data into useful cloud information.

In the next ten years the government will probably launch several more earth-circling satellites which will relay instantaneous reports of temperature, clouds and humidity. These reports, coming in from all parts of the world, will lead to much more accurate weather forecasts. The reason for this is simple.

At the present time the weather forecaster lacks sufficient reports from the vast expanse of the Pacific and Atlantic Oceans, which often result in a misinterpretation of the weather map. Of particular interest along this line is the tropical storm. These storms, which take the shape of hurricanes in the Atlantic and typhoons

in the Pacific, often form so far from any land area that they may be present for a few days before they are detected. If these storms could be discovered in their earlier stages, some knowledge of their origin and future movement might be ascertained.

Another benefit which will be derived from these satellites will be the improvement of man's knowledge of the atmospheric circulation patterns and thus the destruction of some of the barriers that bar his way to long-range weather forecasting.

While the first weather satellite won't cause any drastic improvements in man's weather forecasting ability, it is a forerunner to scientific advances in the science of meteorology that might, someday, cause the daily forecast to read like a TV schedule.

Ex-Michigan Coach To Be Sportscaster

ANN ARBOR, Mich. (AP)—Benjie Oosterbaan, whose football career at the University of Michigan covered 35 years as a player and coach, will add another chapter next fall when he becomes a sportscaster at Michigan football games.

Oosterbaan said he has reached agreement with a Detroit station to do the radio color commentary on Michigan's home- and away games. He said the program will not be carried by a network.

Oosterbaan retired Jan. 1 as Michigan's head football coach. He now is public relations coordinator for the Michigan athletic department.

Cagers in 62d Year

Penn State is in its 62nd year of basketball—oldest winter sport at the University.

Brito Goes to Rams For Linebacker Morris

LOS ANGELES (AP)—The Los Angeles Rams announced Wednesday they have acquired end Gene Brito of the Washington Redskins in a straight trade for linebacker Larry Morris.

Bill Popp, Penn State grid guard, has future All-America possibilities according to his coach, Rip Engle. The Steelton youth, a starter in 1958, will be a junior next season.

CLASSIFIED

FOR SALE

1953 RENAULT Dauphine, good condition, economical—\$1200. Call Tom Keegan AD 7-2084.

YELLOW KNIT Gown, ballerina length, like new, size 9. Phone AD 7-2462 after 5.

'52 PLYMOUTH, radio and heater. Must sell; reasonable offer. Phone Al Damico AD 8-1963.

1955 '35' 1-BEDROOM, IMPERIAL house Trailer; living room, carpet and awnings included. Phone HO 6-6413 after 6:30 p.m.

NEED TROPHIES? You name it—I have it Plain or engraved. Big discounts. Quick service. Phone AD 7-7681 after 6. Sam Troutman's Trophy-Noveltty Shop.

TVs—COMPLETELY reconditioned, various sizes. \$19—\$89. Television Service Center at State College T.V., 232 South Allen.

FOR RENT

TWIN BEDROOM, two students, new home; private entrance, private bath. AD 7-4216.

SINGLE ROOM, seven minutes off campus. Free parking, comfortable. \$8.00 per week. AD 8-3350.

MODERN FOUR-ROOM Apartment for rent in Centre Hall. Has own oil heating plant. \$60 per month. Write or phone R. M. Sassaman, 401 E. Walnut St., Lewisport. Phone 8-4433.

DOUBLE AND half double room, central location, nice furnishings. Free parking. Call AD 7-2294 or AD 7-7906.

LOST

BLACK WALLET containing cards. Reward, Call George Hollodiek AD 7-7247.

MEN'S "ALLIGATOR" Raincoat missing from Boucke Building on Saturday morning between 9 and 10. Reward. Call ext. 1178.

SWITCHED GIRL'S Trench Coat at Chi Phi Saturday afternoon. Call ext. 72. Mine has zipper for removable lining.

GIRL'S LIGHTWEIGHT Bicycle. Blue with chrome fender and wire basket. License 893. Needed for commuting to campus. Call Joyce AD 7-3002.

GREEN WALLET. Call Jeanine Cagle ext. 354.

PAIR OF black glasses in a brown case. If found call AD 7-4923.

WANTED

STUDENT OR family washings and/or ironings. Will call for and deliver. Phone Warriors Mark EV 8-7395.

WANTED—TYPING. Quick, expert work. AD 8-0998.

REWARD FOR lead on apartment for two men, near campus. Three furnished rooms. Call Clayton ext. 2787.

RIDE TO Miami Beach or vicinity Easter vacation. Please call Barbara ext. 1630J as soon as possible.

RIDE TO Ft. Lauderdale, Florida for Easter vacation. Will help drive. Call Don Meyer, Beta Theta Pi fraternity. AD 8-2416.

TERM PAPERS and theses typed. Call Edie ext. 2811.

WANTED: TO BUY copy of "Dr. Triebold's Book" on Quantitative Analysis—preferably in good condition. Call ext. 829.

RIDERS TO Pittsburgh—direct to Field House for EIGL Championship. Departing at 3 p.m. Friday. Matt Mathews, AD 8-6464 or Collegian.

COLLEGE MEN—Last year college men in our department averaged \$75. per week. Due to conditions in our department this year, we expect even higher gains. Pleasant short hour arrangements allow plenty of time for studying. Car furnished, expenses paid. Call Clare Ross AD 7-4403 Mon. - Fri. after 11 p.m. Salary \$45 per week.

MISCELLANEOUS

ATTENTION SOCIAL Chairmen! Dance combe has several open dates and would like to fill up calendar. Call AD 8-8694 after 8.

DR. GLENN. There might be blood shed at Schwab I.F.C. Weekend. Sensational shooting match between Annie Oakley and Frank Butler.

THESIS, TERM Paper assignments coming up? Rent a first-class portable or standard typewriter now. Moderate weekly rental charge. Nittany Office Equipment, 231 South Allen Street. Phone AD 8-6126.

CANOE DIVISION meeting of the P.S.O.C. tonight, 7 p.m., 317 Willard. Guest speaker—Finley Bookbinder Topic "What to do when up the creek without a paddle."

SPAGHETTI—ALL YOU can eat for \$1.00 at Tanglewood Acres, Jacksonville Road. Dining and dancing nightly.

NEW FASHION FROCKS style sheets for Spring. Order from authorized representative at 112 1/2 S. Pugh. AD 8-6668.

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IF YOUR typewriter is giving you trouble, our years of experience are at your command. Just dial AD 7-2492 or bring machine to 633 W. College Ave.

ENROLL NOW for ballroom dancing, tap, toe, or acrobatic lessons. Park Forest Village School of Dance. AD 8-1078.



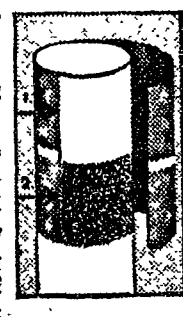
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Brooks Selects Frosh Board

Robin Brooks, president of the freshman class, has made 62 appointments to the Freshman Advisory Board.

New members of the board include Charles Annette, Judith Anzalone, Charles Berents, Suzanne Bohland, Stuart Broth, George Brown, Susan F. Brown, Joan Cavanaugh, Eugene Chalken, Linda Child, Malcolm Cohen, Lydia Cugel

Joni Dichter, Ginny Dougan, Patricia Dyer, Marianne Ellis, Stephanie Estreicher, Nick Fallieras, Barry Fireman, Linda Firrell, Leonora Gahn, John Gander, Diane Gimber, Earl Gershenow, Herbert Goldstein.

Barbara Hackman, Phyllis Hamilton, Robert Harrison, Bernard Herman, Carol Hodges, Linda Huston, Susan Huston, Barbara Johnson, Duane Johnson, Marcus Katzen.

Barry Kesselman, Stephen Klein, Marjorie Kapelsohn, James Kridel, Alan Kutz, Jack Lehyk, Diane Lindell, Phyllis Meil, Lynn Michaels, Maxine Miller, Gloria Myers, Herbert Nurick, Barbara Oliver.

Genevra Peck, Bruce Rambo, Barry Ross, John Seidensticker, Judith Shepardson, Patricia Shockey, Al Silverman, William Smith, Barbara Stanley, James Steele, Carole Steinberg, Judy Weiss, Lois Young and Patricia Zakian.

Air Alert—

(Continued from page one) way the President handled a question on whether he can foresee any circumstances in which the United States might "strike the first blow against a possible aggressor." He reacted immediately with a flat, "No."

This was in line with Eisenhower's repeated assurances that if East-West differences over Berlin result in shooting, it will be the Soviets who start firing, rather than the Western Allies.