

Research Review

Blue Grass Growth Hindered by Fungus

By CLAUDIA LEVY

If your favorite golf course has been looking peaked lately, it may be afflicted with a case of a relatively new disease which has struck severely at Pennsylvania's Merion Blue Grass in the last few years.

THE CAUSE of this disease, a fungus, was identified by Houston B. Couch, associate professor of plant pathology, who is in his third year with the research project.

The Merion strain, introduced in 1952, is a popular grass for home lawns, fairways and parks, Couch said.

"It's a rugged grass and takes a lot of tramping," he added. "But five years ago a disease appeared which struck at the roots and crowns of the grass. This disease killed the grass within three years of its planting," he said.

The disease is very severe in Pennsylvania, Couch said, particularly in the southeastern section of the state around Philadelphia. Seed production and sale is big there, he said, but the adverse publicity about Merion Blue Grass prompted the Pennsylvania Turf-grass Council to grant Couch \$4,800 annually to work on a con-

rol of the disease afflicting the grass.

In addition to uncovering the cause of the disease, in their first year of research Couch and his associates found two fungicides that can kill the fungus. Last year they plotted a standard of chemical control and worked on the development of that control.

The disease, as yet unnamed, can be wiped out completely, Couch said, in those isolated areas which are treated. However, the cost would be too great to eliminate the disease in the state completely, he added.

This year the researchers will conduct field trials on Philadelphia golf course grass which they hope will help them predict disease occurrence with greater insight. Laboratory and greenhouse testing will concentrate on the development of the disease — how light, soil and air temperatures, nutrition and humidity affect it.

"WE PLAN to study the motion of the disease, taking it apart and discovering how environmental factors affect it," Couch said.

The researchers also are studying the variability of the strength of the fungus, which is more severe in different parts of the state.

★ COLLEGIAN CLASSIFIEDS ★

FOR SALE
DRESSERS, BREAKFAST SETS, Beds, Tables and Sofas. Hoy's Used Furniture, Lemont. Open 6-9 p.m. AD 8-4220.
 1956 ENGLISH Indian Motorcycle. Excellent condition. Sacrifice price. Call AD 8-4781.
UNDERWOOD PORTABLE Typewriter: Pair Firestone 6.20-15 4-ply nylon tires, tubes, rims, used 300 miles. Call AD 7-3158 6-8 p.m.
PARILLA — 1,000 miles, with windshield. \$420 new—selling for \$300. Ask for George AD 8-9068.
STUDENTS—Auto, Motor Scooter, and all other types of insurance. Erie Insurance Exchange, Mr. Tompkins. AD 8-6633.
YOUR CHOICE: 1964 Buick Special, radio, heater, \$295.00; 1958 Pontiac Starchief, 2-door hardtop, full power, air conditioning, white walls, radio, heater, \$1295.00 (trade considered on Pontiac); AD 8-1458.
AQUA LUNGS twin 88's—\$20 a piece. Pete Kent UN 5-5582.
 1963 PORSCHE 266 coupe, 1600 c.c. engine. Radio, heater, two Michelin-X tires, new paint job, just overhauled. Need larger car. \$850 firm. Call UN 5-8285 for info.
 1940 4-DOOR BUICK SPECIAL. Daily use. Recently refinished, good tires. Call AD 8-8606 to see and drive. Make offer.
HELP! DORM CONTRACT for sales. Contact AL Pollock A. UN 5-6121.
 1953 CHEVROLET Sedan. Standard transmission, radio and heater. Will sell to highest bidder by Oct. 17. Call AD 8-2217 after 6 p.m., if no answer, call AD 8-2712.
STEREO COMBINATION AM/FM Radio, Record Player, T.V. Just like new. Call AD 8-9232, John Hays.
 1952 OLDS '55 engine (needs work) LaSalle box, beefed suspension body perfect. Highest offer. Call Barry AD 8-3021.

FOR SALE
 BUSCH 2 1/2 x 3 1/4 Press Camera and accessories. Excellent condition. Cost \$150 now—best offer over \$50 accepted. Need cash. Howard UN 5-4962.
 GIRL'S ROLLER DERBY Skates, size 7, price \$15.00. Used twice. AD 8-9462.
 1959 TRIUMPH CYCLE in excellent condition. \$240. 1954 MERCURY Sedan \$160. AD 8-9407.
 FIVE TICKETS to the Maryland game—30 yd. line. UN 5-4810.
FOR SALE: West Halla Dorm Contract. Available immediately. Call UN 5-7718.
MOTORCYCLE — PARILLA, practically new, excellent condition. Call Steve Scheinfeld, AD 8-6718.
 1956 AUSTIN HEALEY Le Mans. Recently overhauled. Competition engine, gold lacquer—\$995. Must sell. Call AD 7-2111.
 '58 CHEVY Impala Convertible. Power steering, power brakes. Needs work. Best offer. Lee Leacock, 826 S. Pugh. AD 7-2510 after 6:00 p.m.
DAVIS PORTABLE Electric Sewing Machine: guaranteed for 3 years—\$19.50. AD 8-8367.
 1961 EX-SEBRING MORGAN Sports-Racing Car. Cheap. Call AD 7-7781.
 1953 DESOTO four door, radio, heater, automatic transmission. Four regular, two winter tires included. Reasonable. Phone AD 7-4651 after 5 p.m.

FOR RENT
 ROOM: SINGLE, for Graduate Girl student. Centrally located. Call AD 7-4826 after 5:00 p.m.
 ATTRACTIVE SINGLE ROOM for serious student with complete modern kitchen privileges. \$7.50 weekly. Inquire 906 W. College Ave.

FOR RENT
 ROOM FOR RENT — either single or double. Call AD 8-6811 or AD 8-4223.
WANTED
 GRANDMA WANTS to visit this weekend. If you know someone driving to State from Washington, D.C. Friday night, call AD 8-2052.
 STUDENT TO share house with two students. Rent \$25 per month. 124 W. Logan. AD 8-1148.
 WANTED DESPERATELY: Students with unusual occupations. Call UN 5-8020.
 NEED DESPERATELY one to four tickets for Army game. Any offer. Call Harriet UN 5-2754.
 THREE TICKETS for the Army game at any cost. Call Carol, UN 5-3036.
 REPLACEMENT FOR Dorm Contract. Call George AD 7-937 or Dick UN 5-8069.
 TWO TICKETS to Syracuse game. Call AD 8-1947.
 YOUNG MAN capable of conducting Hebrew School and Hebrew Sunday School. Contact Mr. Saul Ziff, Phillipsburg, Pa. Mail or phone.
 DESPERATELY NEEDED—two tickets for Army game. Will pay good price. Call: AD 8-3730 or UN 5-8026.
HELP WANTED
 WAITERS NEEDED—Sigma Pi. Call AD 7-2180.
 DRIVERS WANTED. Must be 21, with First and Fifth Periods Free. Call AD 8-0411.
 THREE WAITERS needed at Pi Kappa Phi. Call AD 7-4937.
 TWO BOYS to work in Boarding House 3 meals each day except Sunday. Call AD 7-7247.

WORK WANTED
 WANTED: ADMINISTRATOR, Presidential Position only, willing to work. FOUND, support and vote Ron Snowway. Class of '66.
LOST
 MAN'S WALLET, black, lost between Hammond and West Halla. Put in mailbox or call Jim Kosmar UN 5-2356.
 BROWN SUEDE Jacket at driving nets, Saturday. Reward. Call Wayne at 5-4163.
 K&E SLIDE RULE in green case. "Pete" written inside. Reward. AD 7-3118.
 BLACK PURSE near McLanahan's and Charles Shop on College Avenue. Call Rose UN 5-5670.
 KEYS, brown key case—lost on campus Monday. Robert Deeter AD 8-9066.
 LOST: ONE PAIR glasses—black harlequin frames—black case. Call Caroline UN 5-8181.
 PAIR OF Black Rimmed Women's Glasses. Light blue case. Indispensable. Darlene, UN 5-8469.
 SMALL TRANSISTOR Hearing Aid lost between Pollock Dorms and Atherton. \$10 Reward. Call AD 8-6817.

FOUND
 HORACE MANN High School Ring ('61), initials L.C.P. Call Ken 5-4214 between 8:00 a.m. and 5:00 p.m.
 FOUND: MAN'S GLASSES Saturday night in front of Redifer. Call Sue, UN 5-5344.

STOLEN
 STOLEN: LIGHT GRAY Olympia Portable Typewriter bearing silver metal plate with retailer's name: Phillips Equipment Company, Harrisburg, Pa. taken from my office desk, Room 301 Engineering E. Friday evening, Oct. 5. Reward for return or information leading to recovery. Phone AD 7-3364 or UN 5-2085 any time.

MISCELLANEOUS
 THE MUSIC MART—The Complete Music Store — Guitars and Guitar accessories. Sheet Music and a Complete Instrument Repair Service. Also Ukles, Banjos, and Mandolins.
 TOWN INDEPENDENT MEN interested in running for TIM Council pick up self-nominating petitions at the HUB desk.
 CHEMISTRY TUTORING—Avoid getting that snowed feeling. Call AD 8-5818.
 FROSH! ELECT. Walt Wiewiora class president. Ex-high school student council president, second term, dean's list first term.
 PSOC — Eki Division meeting 214 Boucke, 7:00 p.m. Tuesday. Slides of Killington Slopes. Ski equipment news.
 TUTORING: Philosophy, Economics, Psychology, Political Science. Get expert help before it's too late. Call AD 8-8818.
 PSOC CANOE Repair Expedition to the Water Tower. Sat. 1:30 p.m.
 VISIT CENTRE COUNTY'S newest Driving Range and Miniature Golf Course located halfway between Bellefonte and State College—next to the Starlight Drive-In. Open from 4:00 to 11:00.
 PSOC — Cabin and Trail Division hike Sunday to New York. (Fifth installment). Leave New College Diner 7:00 a.m. Sign up at HUB desk.
 HAS KNOWLEDGE driven love out of the world? Are we afraid to be different? Is science the new god from whom we expect to receive the good life? Has the church become a knowledge-salesman? Discuss these and similar questions: attend the UCA "Modern Drama" Seminar, Thurs. Oct. 11 (tonight) at 7:00 p.m., HUB, room 217, to read and discuss "Santa Claus," by E. E. Cummings.
 SCIENCE FICTION AUCTION Monday, Oct. 15, Room 218 HUB. We will buy your old books, magazines or contact Dennis UN 5-2263.
 THE EXCITING new stock market game on campus is Broker. See it at Nitany News.
 PSOC—ROCK CLIMBING trip Sunday, 9:30 a.m., Rec Hall, going to Huntingdon. FREE LUNCH. Sign up at HUB desk. Beginners always welcome.
 GRADUATE STUDENTS — MIXER, Friday, Oct. 12 9-1 a.m. VFW. Tickets at door 25c. Music by Duke Morris.
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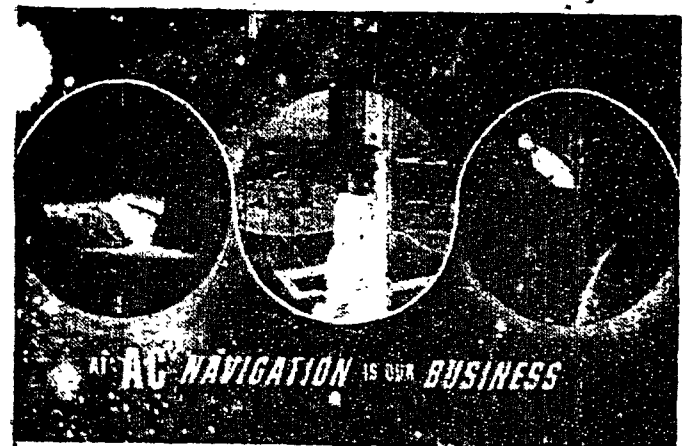
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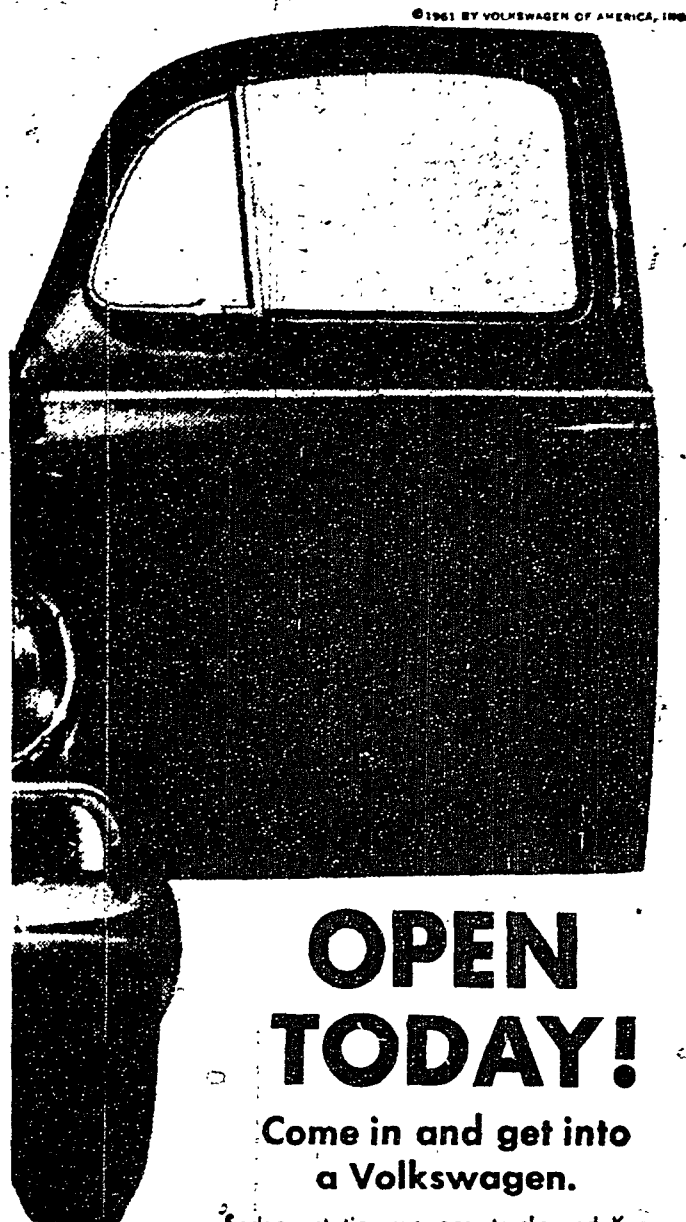
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