

# Tomorrow's weather: warmer global temps

Hundreds of pounds of arctic tundra in North Carolina may yield new information about the growth rate of many plants and future levels of carbon dioxide in the atmosphere.

Collected near Barrow, Alaska, the tundra was flown still frozen to Duke University's phytotron, a climate-controlled facility that has 40 "growth rooms" and six large greenhouses.

Thawed under carefully controlled conditions, the plants and peat comprising the tundra will be examined over two years at various soil and air temperatures and under light conditions duplicating the arctic summer.

Botanists Dwight Billings of Duke and Kim Peterson of Clemson University, project coordinators, hope the tests will ascertain whether the tundra absorbs or releases carbon dioxide when subjected to warmer temperatures or an increase of carbon dioxide in the atmosphere.

MANY SCIENTISTS have predicted that increasing use of fossil fuels such as coal will sharply boost the amount of carbon dioxide in the atmosphere, causing warmer global temperatures. The more serious consequences envi-

sioned include disruptions of agriculture caused by changes in growing cycles and prolonged droughts in the farming regions of the United States and Western Europe, as well as a long-range peril — rising sea levels that would flood coastal towns.

If warmer temperatures do occur, they are expected to be more pronounced in arctic tundra regions, where an estimated third of the world's carbon is stored in peat deposits.

For most of the year, the tundra — a vast region covering some 3 million square miles — is a frigid, hostile, seemingly lifeless realm, but in June it usually comes to life for a five- to six-week growing season in most places. So far, no one knows what effect a prolonged warming trend would have on this expanse.

As Billings points out, "Some researchers, myself not included, think arctic plants will absorb carbon dioxide rather than release it during a long growing season.

"We hope to settle the question, because a lot of carbon could be released through peat decomposition, worsening an already worrisome atmospheric carbon dioxide problem."

## class reunions

The Observer & Eccentric Newspapers will be glad to help locate classmates for High School reunions. Submit announcements to Marge-rette Miller, 36251 Schoolcraft. First and last names are needed with telephone numbers to call for information.

● **LIVONIA BENTLEY 1950-51**  
The first and second Bentley High School graduating classes will hold their 30-year reunion July 25. Graduates who have not been contacted may call Don LaMay, 421-6022.

● **EDSEL FORD 1959**  
Graduates of Edsel Ford High School in the class of 1959 will hold a reunion July 25. Tickets are \$20 per person, and information is available from Larry Allbritten, 425-3174, Sandy Scanlon Gallo, 525-5229, or Brian Ker-ry, 420-2513.

● **REDFORD UNION 1961**  
Graduates in Redford Union High School's class of 1961 will have a 20-

year reunion Aug. 15. Those interested in attending should call Gloria (McMur-rie) Cifaldi, 459-7289.

● **REDFORD UNION 1971**  
The Redford Union High School class of 1971 will hold its 10-year reunion Sept. 26. Details are available from Linda Hubenschmidt, 534-8373, or Linda Passmore Herzfeld, 360-2409.

● **WAYNE MEMORIAL 1971**  
Wayne Memorial High School's class of 1971 plans a 10-year reunion Sept. 26. Those interested in attending may call Phil McKinnon, 728-3710.

● **LIVONIA FRANKLIN 1971**  
The Livonia Franklin High School class of 1971 is planning its 10-year reunion later this year. For more information call Elaine Nagano Medien, 478-8342.

● **GARDEN CITY EAST 1976**  
The class that graduated from Garden City East High School in 1976 will

hold its five-year reunion Oct. 24 at the James D. Donovan Hall, 25620 Van Born, Dearborn Heights.

Tickets at \$10 include buffet, mixes and a band. Those interested in attending may call Barbara (Fitzsimons) Halaberda, 326-1382, or Denise (Spisak) Johnson, 532-8198.

● **BIRMINGHAM BALDWIN 1941-42**  
The classes of 1941 and 1942 of Baldwin High School are planning a reunion in October. Anyone interested in attending or having information on out-of-town classmates may call Bob Cole, 643-9100 during business hours or 644-5137 after 6 p.m., Betty Stole Angelo, 646-0658, or Natalie Seaholm Hulbert, 644-1692.

● **HIGHLAND PARK 1941-42**  
A reunion for the classes of 1941 and 1942 at Highland Park High School will be held Oct. 3. Graduates of 1940 who missed their reunion last year also are invited. Information is available from

Jack Forbes, 455-3840; Betty Foster Stephenson, 838-2945 or 273-5026, or Olympia (Lee) Petrisan at the high school, 956-0125.

● **ROYAL OAK SHRINE 1961**  
Shrine High School's class of 1961 plans a 20-year reunion Oct. 10. Information is available from the Shrine alumni office, 549-2925.

● **DETROIT SOUTHWESTERN 1957**  
June 1957 graduates of Southwestern High School interested in attending a 25-year reunion should call Angelina (Cone) Maccani, 532-4379.

● **BIRMINGHAM BROTHER RICE 1971**  
The Brother Rice High School class of 1971 is planning a 10-year reunion and the committee is interested in contacting all class members and former faculty members.

Call the school office, 647-2526, for more information.

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AN EXHIBIT AND SALE OF ART AND CRAFT

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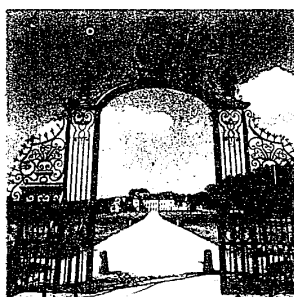
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- Thursday, May 14... 1:00 and 7:00 P.M.
- Monday, May 11... 1:00 and 7:00 P.M. FRENCH CUISINE. Chef Sterling B. Maxfield from La Marmite French Restaurant will demonstrate La Nouvelle Cuisine.
- Tuesday, May 12... 1:00 P.M. COUNTRY FRENCH FLORAL ARRANGING, by Carol DeGuire of Jacobsen's Florists.
- Tuesday, May 12... 3:00 P.M. STENCILING IN THE FRENCH MANNER. The Village Stenciler will show techniques for stenciling fabrics, walls, floors.
- Wednesday, May 13... 1:00 P.M. HERB FLAVOR AND FRAGRANCE ALL THROUGH THE HOUSE. Caroline Jamison will demonstrate herb gardening and crafting.

\*FOR RESERVATIONS AND FREE TICKETS: CALL 644-7370. Ask for "Miss Johnson"

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