

## Local Weather

Data collected at the IES Weather Station provide background information for ecological research at the Institute and serve as a standard against which long-term trends in weather and air quality may be compared.

### November and December, 1988

Highest temperature: 19.1°C (66.4°F)  
on November 5th

Lowest temperature: -20.3°C (-4.5°F)  
on December 12th

Daily average temperature: 1.6°C  
(34.9°F)  
[Normal\*: 1.1°C (34°F)]

Precipitation: 19.59 cm (7.7 in.)  
[Normal: 17.63 cm (6.9)]

Average rainfall pH\*\*: 4.51

Strongest wind gust: 66 km/hr (41  
m.p.h.) from the west-northwest (285°)  
on November 21st

Prevailing wind direction: West-  
southwest (252°)

Average wind speed: 9 km/hr (5.6 m.p.h.)

*\*"Normal" values are taken from data collected for a 30-year period at the Millbrook School*

*\*\*Degrees of acidity or alkalinity are indicated using a logarithmic pH scale. On the scale of 0-14, vinegar — an acid — has a pH of approximately 3, and "neutral" is 7.0. The pH of "normal" rain is 5.6 or higher.*

## Spring Calendar

### CONTINUING EDUCATION PROGRAM

Catalogues describing IES landscape design, gardening and botany courses, as well as the following workshops and ecological excursions, are available at the Gifford House.

#### Workshops

- Mar. 22 Aerial Photography Workshops:  
and 23 Airphoto Interpretation & Land Use  
Remote Sensing with Color and Color-  
Infrared Aerial Photography  
Remote Sensing for Assessing Landfills
- Apr. 29 Ecological Design and Landscape  
Restoration

#### Ecological Excursions

- May 9 Ethnobotany and American Indian  
Heritage
- May 13 Ecology and Earth History: the Taconic,  
Housatonic and Berkshire Highlands
- May 19,20 Spirit of Northern Waters

### SUNDAY ECOLOGY PROGRAMS

Free public programs are offered on the first and third Sunday of each month, except over holiday weekends. All programs are from one to two hours long, and begin at 2:00 p.m. at the Gifford House on Route 44A unless otherwise noted.

Tentative schedule (please call (914) 677-5358 to confirm the day's topic):

- Apr. 2 On Safari in Kenya (Jill Cadwallader) —  
Talk
- Apr. 16 Reading the Rocks (Dr. Alan Berkowitz)  
— Walk
- May 7 Life and Death in a Stream: Fish,  
Insects, Plants & Pollution (Dr. Lars  
Hedin) — Walk
- May 21 How Do We Know What Our Environ-  
ment Brings Us? ... A Walk Through the  
IES Environmental Monitoring Station  
(Kathleen Weathers) — Walk

For ecology walks, dress according to the weather with long pants, socks and sturdy, waterproof footwear. Talks are slide presentations held indoors. In case of inclement weather, call (914) 677-5358 after 1 p.m. to learn the status of the day's program.

### GREENHOUSE

The IES Greenhouse is a year-round tropical plant paradise as well as a site for controlled-environment research. The public is invited to explore both aspects during Arboretum hours. There is no admission fee, but visitors should first stop at the Gifford House for a free permit. (See article on page 2 of this Newsletter.)

### ARBORETUM HOURS (October 1 - April 30):

The **Arboretum** is open Monday through Saturday, 9 a.m. to 4 p.m.; Sunday 1 - 4 p.m.

The **Gift and Plant Shop** is open Tuesday through Saturday 11 a.m. to 4 p.m. and Sunday 1 - 4 p.m. (closed weekdays from 1 - 1:30 p.m.).

The Arboretum and Shop are closed on public holidays. Roadways and trails are closed when snow-covered.

All visitors must obtain a free permit at the Gifford House for access to the Arboretum. Permits are available up to one hour before closing time.

### MEMBERSHIP

Become a member of the Mary Flagler Cary Arboretum. Benefits include a special member's rate for IES courses and excursions, a 10% discount on purchases from the Gift Shop, free subscriptions to the IES Newsletter and Garden (the beautifully illustrated magazine for the enterprising and inquisitive gardener), and parking privileges and free admission to the Enid A. Haupt Conservatory at The New York Botanical Garden in the Bronx. Individual membership is \$25; family membership is \$35. For information on memberships, contact Janice Claiborne at (914) 677-5343.

*For more information, call (914) 677-5358 weekdays from 8:30 - 4:30*

INSTITUTE OF  
ECOSYSTEM STUDIES  
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# Newsletter

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