



# WINGSPAN

Newsletter of the Rock Eagle 4-H Center Estabrook, Georgia



January 3, 2002 brought four inches of snow to Rock Eagle!

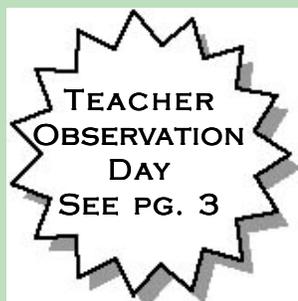
**Join us for Rock Eagle's  
Sunday Buffet**

**February 24 - June 16  
except holidays**

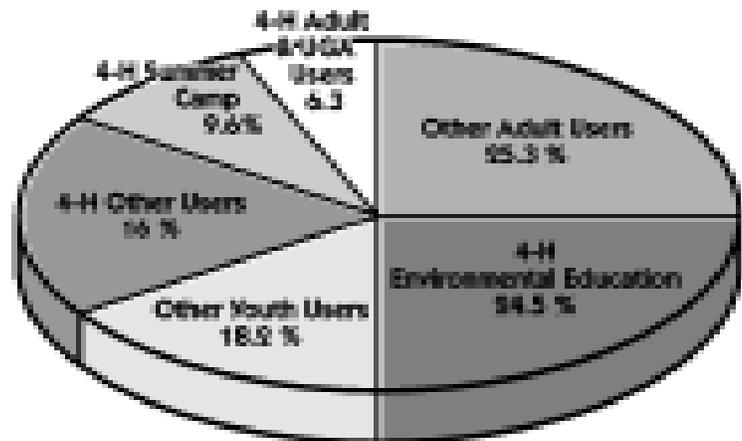
**Adults \$8.50**

**Children ages 4 - 10  
\$4.00**

**Children 3 & under free  
with an adult**



## Who Uses Rock Eagle 4-H Center?



During the fiscal operating year that ended June 30, 2001, 66,879 guests utilized Rock Eagle 4-H Center as a conference center or participated in programs offered by the University of Georgia 4-H Program. This number does not include people who enjoyed Sunday lunch or visited the Rock Eagle Effigy Mound. The 4-H Environmental Education Program, Summer Camping Program, and other 4-H activities such as District Project Achievements, Fall Forum, and State 4-H Council account for more than fifty percent of the total number of people utilizing the 4-H Center. Other groups include the Georgia Math Conference, YMCA, Scouts and various organizations.

Historically the Georgia 4-H Centers have received little state funding for operations, and many of their major capital outlays have been paid by annual operating funds. In recent years the lack of long term maintenance and the need for major capital improvements for the 4-H Centers have been brought to the attention of University and other State officials. The hope is that additional state funding will be made available to improve the 4-H facilities. Improved facilities can continue to provide quality educational programs for young people participating in the 4-H program. In FY 2001, \$200,500 was appropriated for maintenance and operation of the 4-H facilities from public sources. The College of Agricultural and Environmental Sciences committed \$401,668 for the FY 2002. Georgia 4-H is very fortunate to have these facilities, which are important assets to the 4-H Program and the State of Georgia.

For more information on what you can do to help improve the Georgia 4-H facilities, contact Arch Smith at [asmith@uga.edu](mailto:asmith@uga.edu) or Bo Ryles at [boryles@uga.edu](mailto:boryles@uga.edu) or call the State 4-H Office at 706-542-8804.



## Who's Who @ the Rock

highlights one of the many Rock Eagle employees who exemplifies the 4-H motto, "To Make The Best Better."

**Judy Rodgers**  
Food Service Supervisor



She's always smiling...Judy Rodgers that is...a person who strives to make people feel very welcome. Judy, a Food Service Supervisor, started working at Rock Eagle in June of 2000. In addition to supervising staff, Judy sees that drinks and snacks are delivered to groups meeting at the center, makes sure the Dining Hall is kept very clean, and meets with representatives from groups using the Dining Hall to assure their needs are met.

Judy was born and raised in Tennessee, moving to Georgia 14 years ago. She now lives in Buckhead (Morgan County) with

her husband Clyde, Judy's sweetheart since the age of 14. Someday they hope to move back to the 7 ½ acres they own along the Tennessee River.

Away from Rock Eagle, Judy receives much joy from helping care for a blind man. She has a passion for gardening and tends a garden at home and at church. Judy also brings gospel music performers to her church, occasionally singing with them.

Judy's best Rock Eagle memory is taking the first canoe trip of her life here. What gives Judy the most job satisfaction is bringing joy to groups using the center.

*Join us for Rock Eagle's Sunday Buffet*      \$8.50 Adults  
*February 24 - June 16, except holidays*      \$4.00 Children



## Landmark History

The 1954 dedication of the **Callaway Building** at Rock Eagle 4-H Center was made possible by a gift from the Fuller E. Callaway Foundation of LaGrange, Georgia. The Callaway Building was one of the three original recreation buildings constructed at Rock Eagle 4-H Center. During the Rock Eagle renovation in the late 1980's, the Callaway Foundation funded the renovation of the building. In 1999 handicap accessible restrooms were added to the building.



*The Callaway Building*

This past summer the University System Board of Regents, Office of Information Technology made funding available to improve the electrical and data communications services in the building. In addition to the electrical and data improvements, the Callaway Building received a major face-lift. With these improvements, conference users can set up 105 computer stations in the Callaway Building.

Georgia 4-H Centers &  
Environmental  
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Monday - Friday

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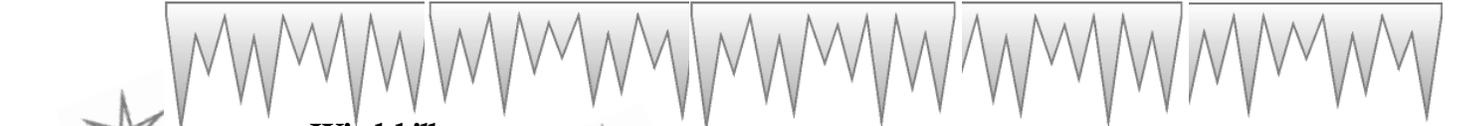
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Tidelands Nature Center  
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tidelands4h.org

For a calendar of events, visit [www.georgia4h.org](http://www.georgia4h.org) & select calendar



## Windchill...

By: Joel Walker  
Environmental Education

*If interested in teaching or volunteering with the 4-H  
Environmental Education Program, please contact us.*



The **Wind Chill Temperature (WCT) index**, better known as the “wind chill factor,” used by the National Weather Service since 1973 has been completely overhauled. A revised index was put in place this winter. Wind chill is the term used to describe the rate of heat loss on the human body resulting from the combined effect of low temperature and wind. Wind carries heat away from the body, causing the body to feel cooler. As winds increase, heat is carried away from the body at a faster rate. This causes a decrease in skin temperature and eventually internal body temperature.

The term wind chill can be traced to an Antarctic explorer Paul A. Siple who coined the term in his 1939 dissertation, [Adaption of the Explorer to the Climate of Antarctica](#). During the 1940’s Siple and Charles F. Passel conducted experiments on how quickly water froze at different air temperatures and wind speeds. They conducted this research for the U.S. military, which needed to make decisions about outdoor arctic maneuvers during World War II. The WCT index they developed became popular in the U.S. during the 1960’s and 1970’s as some members of the media began using it.

For years, scientists from many fields questioned the index’s validity. Wind speeds used in the index were measured 33 feet above the ground, the official height used in weather observations. At 33 feet above the ground, winds are much stronger than at 5 feet, the average height of a human face. This produced wind chill readings which overstated how cold it felt. Maurice Bluestein, an associate professor of mechanical engineering technology at Indiana-Purdue University claimed the cylinder of water used in the 1945 experiments was a poor representation of the heat-generating human body. These and other concerns about the index helped spark the creation of the new index released this winter.

Representatives from seven government agencies (including the U.S. National Weather Service and Canada’s weather service) and university scientists helped develop the new index. It uses advances in meteorology, biometeorology, and computer modeling to provide a more useful and accurate index for calculating the dangers from winter winds and temperatures. The index was tested this past summer in a chilled wind tunnel in Toronto.

Faces of several men and women were exposed to various temperatures and wind speeds. Scientists measured how fast temperatures of the subjects’ exposed skin dropped. In 2002, adjustments for solar radiation (the impact of the sun) and for a variety of sky conditions (cloudy, partly cloudy, sunny) will be included in the new WCT index.

Even though the WCT index has changed, some things about wind chill are always true. Here are 3 examples. 1) Wind chill does not affect non-living objects. Let’s say the temperature is 25°F and the wind speed is 20 m.p.h. This produces a wind chill of 11°F. That doesn’t mean your car’s engine is 11°F. Instead it is 25°F, the same as the actual outside temperature. 2) Very small amounts of wind (less than 3 m.p.h.) do not produce a measurable wind chill. 3) People of different sizes, shapes, and metabolic rates are affected differently by the same wind chill temperature.

The best thing to remember when wind chills are low is to wear several layers of loose-fitting, lightweight, warm clothing. This helps trap warm air near your body, keeping winter winds from blowing that warmth away.



**Experience the Environmental Education Program in action! Join us for Spring Teacher Observation Day April 25th, 9am -3 pm. E-mail name, school & county to [reagle@uga.edu](mailto:reagle@uga.edu) or fax 706-484-2888.**



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The University of Georgia and Fort Valley State University, the U.S. Department of Agriculture and counties of the state cooperating. The Cooperative Extension Service offers educational programs, assistance and materials to all people without regard to race, color, national origin, age, sex or disability. An equal opportunity/affirmative action organization committed to a diverse work force.

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**New dock for Founders Lodge**

**Foundation begins Annual Fund**

The Georgia 4-H Foundation's 2001-2002 Annual Fund began this fall. Contributions received through this year's annual fund will be used to cover operating expenses of the 4-H Foundation and provide support to the many 4-H projects which public funds cannot cover. Gifts are tax-deductible. Donors will be recognized in the annual report of Georgia 4-H, the Georgia Cloverleaf. We invite you to be a part of the 2001-2002 4-H Annual Fund and help strengthen Georgia's greatest youth development program. For more information contact Development Coordinator Jill Walton at 706/542-8914, e-mail [jwalton@uga.edu](mailto:jwalton@uga.edu) or visit our website listed below.

