SCIENCE in KANSAS
150 years and counting

Earl W. SUTHERLAND, JR. 1915-1974
- Born in Burlingame and graduated from Burlingame Jr./Sr. High in 1932.
- Earned a degree in chemistry from Washburn University, Topeka, in 1937.
- Was a doctor and surgeon in World War II.
- After WWII he went into pharmacology, a science which studies the makeup and uses of drugs and the reasons they work.

EXTRA COOL: Awarded the Nobel Prize in Medicine in 1971 because of his discoveries about hormones, which are chemical substances that regulate almost every body function.

<table>
<thead>
<tr>
<th>Earl W. SUTHERLAND, Jr.</th>
<th>Nobel Prize in Medicine</th>
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Kansas Sesquicentennial 2011

Charles O. Swanson
GRAIN SCIENCE
Kansas State University

- Born in Sweden in 1869.
- Became the head of the KSU Milling Department in 1923. Through his efforts to obtain industrial equipment donations, the department became famous worldwide.
- Led research into the makeup and function of wheat flour which resulted in Kansas wheat quality being known as world-class.
- Combined milling, baking and feed technologies in one department at KSU, making it the only such department at a university in the entire U.S. (Now the Department of Grain Science and Industry.)

EXTRA COOL: Given the American Association of Cereal Chemists highest award in 1938.

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Clyde TOMBAUGH 1906-1997
- Lived on a farm near Burdett.
- Did not have money for college so he studied math and science on his own.
- Built his own telescope when he was 20, even grinding the lenses himself.
- Sent drawings he made of Jupiter and Mars using his telescope to Lowell Observatory in Arizona and was offered a job.
- Discovered Pluto in 1930. Earned degrees at the University of Kansas.

EXTRA COOL: A memento of Tombaugh is on board the New Horizons spacecraft which will fly by Pluto in 2015.

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<tr>
<th>Clyde TOMBAUGH</th>
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Samantha WISELY current
- Is an associate professor of biology with expertise in wildlife ecology and disease ecology at KSU.
- Studies how changes in the environment affect animal populations.
- Has been a member of the Black-footed Ferret Recovery Team for more than 12 years. An endangered species in North America, black-footed ferrets are important to the prairie ecosystem.

EXTRA COOL: Recently received a $750,000 grant to promote undergraduate research by underrepresented students at KSU.

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