

## Success Attends Efforts To Force Plants To Blossom Out Of Season

By RENNIE TAYLOR  
Associated Press Science Reporter  
VANCOUVER, B. C. — (AP) — Scientists are beginning to get results in their efforts to force plants to blossom out of season. Only a small beginning has been made, but the possibilities are enormous. Artificial control of blossoming would mean that fruits, vegetables and flowers would be on hand at least a part of the time when they normally are not available. It might also mean more temperate zone fruits and vegetables for northern climates.

American Association for the Advancement of Science here by Dr. James Bonner, of the California Institute of Technology.  
Dr. Bonner, using chemicals, made cockleburrs produce flower buds almost at will. The plants, however, did not develop complete blossoms. This means that the blossoming process involves more than one process. However, the fact that blossoming can be artificially started suggests the rest of the process also may be subject to human control.

Other researchers previously had started the blossoming process in pineapples in Hawaii out of season. The pineapple, however, is a highly specialized plant not related to the common fruits and vegetables of the Western Hemisphere's temperate zone.  
Dr. Bonner's cockleburrs belong to a wider category of plants which normally grow throughout the summer and blossom in the fall when the days are short. Tree fruit and garden vegetables



EVERY MAN FOR HIS TRADE

By J. R. Williams

## Farmers Must Prosper, Warning Of Brannan

WASHINGTON, June 20.—(AP) Secretary of Agriculture Brannan says the nation had better make sure that farmers get a fair income, or all business will stumble.  
Addressing a national 4-H Club camp meeting, Brannan said agriculture and not the atomic bomb or the size of our military forces, is the "foundation stone of our strength."  
"One of the causes of depression in the past has been too little farm purchasing power. I hope with all my heart that the people of this nation will never again make the mistake of allowing farm income to fall so low that agriculture has a depression and the whole nation is dragged down by the undertow."

## Oregon's First Co-Op Slaughterhouse Opens

OREGON CITY, June 20.—(AP) Oregon's first cooperative slaughterhouse is now in active operation.  
The first animals went through the Oregon livestock cooperative's slaughtering and packing plant at Clackamas last week. More than 1,000 Oregon and Washington stockmen hold an interest in the \$125,000 plant.

Washington Lobbies Money spent on lobbying in the national capital exceeds \$6 million annually.

## Tele-fun

by Warren Goodrich



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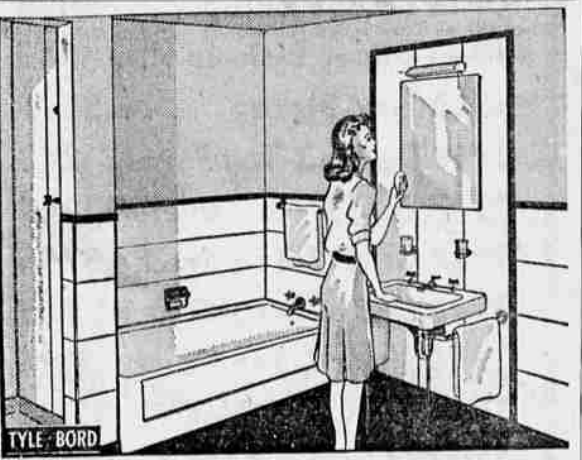


SHINFUL GOINGS ON—Wallace Wender gave a new twist to the Adam's rib gag when Chicago doctors used a bone graft from his shin to heal an old injury of his wife, Jean. Now, both are wearing casts, but if operation's a success they'll be off soon.

## Farmer Gets Less Than Half Of Consumer Dollar

WASHINGTON, June 20.—(AP) For the first time in six years farmers are getting less than 50 cents of each dollar spent by consumers for farm products.  
The agriculture department said today that the farmers' share dropped to 49 cents in April, and it estimated that the figure will be about the same for May.  
The department's bureau of agricultural economics said the farmer hasn't received such a small part of the consumer dollar since May, 1943. The peak of 55 cents was reached several times between November, 1945, and January, 1948.

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belong to still other classes with a complex blossoming mechanism.  
One way to make the cocklebur blossom, Dr. Bonner said, is to put the plant under controlled lighting which produces the equivalent of either long or short days. During short days the plant stops growing and concentrates its energies on the blossoming process. If returned to long days, it stops blooming and resumes growth.

The only other method is to apply a chemical called an anti-auxin. Auxins are hormones which control numerous growth processes. The anti-growth substance counteracts the natural auxin in the plant and stops growth. The blooming process then begins.  
This year, at last, he solved it. He rented a field for two weeks at Lewdown, his chosen vacation spot. Then he packed the cow and her calf into a truck and took them along.

**Cow, Calf Go Along To Solve Vaccination Problem**  
PLYMOUTH, Eng. — (AP) — For 20 years farmer Joe Trevethan's vacation plans were gummed up by one problem: What about the milking?  
This year, at last, he solved it. He rented a field for two weeks at Lewdown, his chosen vacation spot. Then he packed the cow and her calf into a truck and took them along.

Gods Of The Sun  
The Colossi of Rameses II in Northern Egypt were erected as a monument to the gods of the sun about 1270 B.C.

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