

## Device Measures Protein Faster

Washington—(Science Service)—A new, fast and easy-to-use device for determining the protein content of milk has been developed in Russia. It also "sees" proteins in samples of blood, lymph, urine and spinal fluid, and can estimate the presence of proteins in meat and wool.

The small "proteinmeter of fluorescence" has been built at the All-Union Institute of Cattle-Breeding by I. Kesunin and S. Konev, it was reported in a Soviet monthly magazine.

The device works because proteins glow under ultraviolet light. This glow, however, is not visible to human eyesight because it is in the ultraviolet band of light. A special glass, called uranic glass, transforms the ultraviolet luminescence into visible light.

The brightness of the luminescence is measured with a light-sensitive electronic "eye" and converted into a reading on a sensitive ammeter.

To determine the protein content of milk, for instance, the milk is diluted 20 times and a small sample is taken. The protein content in milk with this method may be determined to within 0.1 per cent.

## Sprague To Address Farm Council Banquet

Salem—(UP)—Former Gov. Charles A. Sprague, editor and publisher of the Oregon Statesman, will address a banquet May 23 opening this year's conference of the Pacific Northwest Farm Council in Portland.

Pendleton—(UP)—Reese Ray Endicott, 20, formerly of Dayton, Wash., has been found guilty of negligent homicide in Circuit Court. He was charged in the death of Marvin Owen Samuels, 22, College Place, Wash., who died from injuries suffered in a car accident near Milton-Freewater March 23.

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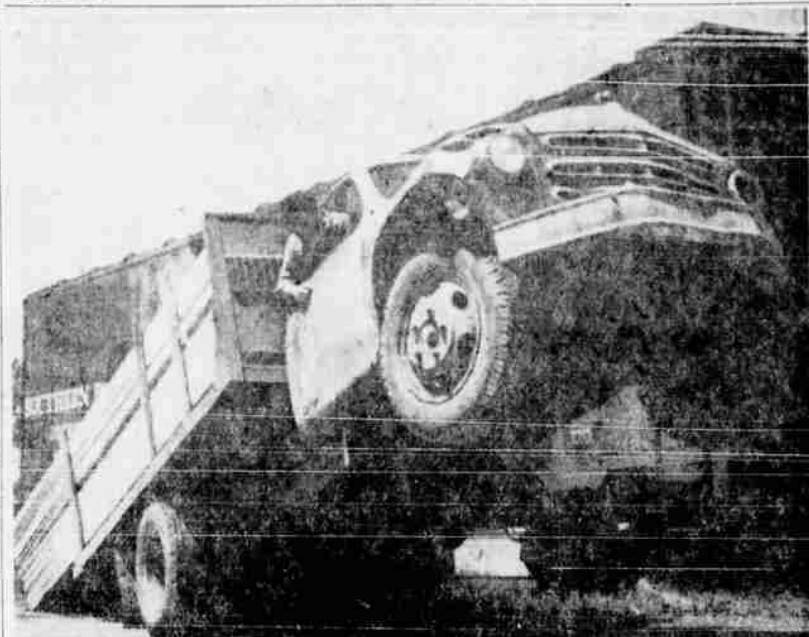
- LIVER 'n MEAT
- KIDNEY 'n MEAT
- CHICKEN
- MEATY MIX
- CHOPPED FISH

# MEDFORD TRIBUNE

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MEDFORD, OREGON, WEDNESDAY, MAY 11, 1960

Section B



**DRIVER HELD UP**—Lumber company employee Duane Hundley of Leavenworth, Kan., was held up for awhile after his truck loaded with 2,400 board feet of lumber tipped on its end. The truck had been loaded at a rail siding, and when it pulled away, it tipped. —(UPI Telephoto)

## Rockets Exploring Higher Reaches for Weather Knowledge

By JOSEPH L. MYLER

Washington—(UP)—Meteorologists have progressed from kites to satellites in 70 years of scientific kibitzing on the weather.

They also have used airplanes, balloon-borne radiosondes—known to some as flying saucers, and high-altitude rockets.

Kites, used in the latter part of the 19th and the first quarter of the 20th century, carried aloft instruments which automatically recorded temperature, pressure, and humidity.

This system, the weather bureau says, "had several weaknesses." The kites didn't go high enough, for one thing. Their average peak altitude was 10,000 feet.

Airplanes, used for the same purpose from 1925 to 1937, averaged about 17,000 feet, but this was still too low.

**System Pretty Good**  
Radiosondes, miniature weather stations which transmit their observations while still in the air, reach average altitudes of 75,000 feet, though some have gone higher than 125,000 feet.

This system is pretty good for ordinary three dimensional observations of the kind needed for regular forecasting.

But for exploring higher reaches of the atmosphere the meteorologists have turned to rockets capable of carrying instruments 40 miles into the sky.

This country has started a system of simultaneous rocket shoots to get information on winds, pressures, and temperatures in the upper atmosphere, and a series of international rocket firing weeks will get under way in September.

Meanwhile, Tiros I has been broadcasting pictorial information about what the weather looks like from an altitude of 450 miles, and second and third generation satellites are being designed for even more specialized work.

**Not Obsolete**  
Radiosondes have not, however, become obsolete. Twice to four times daily they go up from 91 weather bureau stations in the United States and on Caribbean and Pacific Islands, and from 44 cooperative stations elsewhere in the western hemisphere.

Radiosonde balloons shining in the sun frequently have been reported as flying saucers, and parachutes carrying the instruments back to earth have occasionally thrown a scare into imaginative observers.

The largest radiosondes now used by this country are packaged in a square white box about 10 inches and five deep.

Each box has lettered upon it instructions to the finder to send it to the radiosonde reconditioning center, Joliet, Ill. This center has reconditioned well over 200,000 returned radiosondes in 15 years, saving the bureau more than \$2-million.

## Food Supplies Expected To Be Same As in 1959

Washington—(UP)—Food supplies will be about as large this spring and summer as they were a year ago.

Retail food prices are expected to rise seasonally in the near future, but they probably will average close to those of last year.

Demand for food will remain strong.

This was the nation's food picture for the next few months as seen by economists writing in the agriculture department's publication, "The National Food Situation."

**Slightly More Meat**  
The department predicted consumers will find slightly more meat than they did in mid-1959. Plentiful types will include beef and lamb but not pork. Pork supplies last summer were unusually large.

More milk and dairy products are indicated because stocks are a little heavier this year and milk production is expected to increase slightly. Eggs and lard likely will continue to be less plentiful than in 1959, but supplies of chicken and turkey are expected to be somewhat closer to the 1959 level within a few months.

Processed fruits and citrus juices will be in heavier supply during spring and early summer than a year ago. More watermelons but few cantaloupes are indicated for the next few months.

Supplies of deciduous fruits and vegetables will increase seasonally as summer approaches, but those of fresh citrus will decline.

**Peach Crop Good**  
The department said the condition of trees in southeastern states during early spring pointed to another good-sized crop of peaches in that area.

Potato supplies should increase noticeably as mid-1960 approaches.

Supplies of many processed vegetables will continue less plentiful than in 1959 until the 1960 packs come on the market this summer.

Food fats and oils and grains for cereals and bakery products will continue to be more than adequate to meet anticipated domestic needs and exports.

Sometimes the finder sends a letter along with the returned radiosonde. One man mailed a bill for \$2 worth of rifle cartridges "used in shooting weather object out of a 100-foot tall pine tree."

"The reason the bill is so high," he said, "is that our shooting isn't too good." Another wrote that when he saw the radiosonde drifting down "I thought my time had come." He said "All of my children ran away from home."

One radiosonde fell in a grove of trees. The grove owner cut down seven trees before he got the right one. He apologized because the "chute springs were broken. Another finder wrote:

"I am sending your radio back to you. It's no good. I ain't been able to get a single station on it. I am sorry I didn't send the battery too as it was torn up when I shot the gadget out of a tree."

## Ike, Japanese Emperor To Parade

Washington—(UP)—The White House today announced plans for President Eisenhower's June 19-23 trip to Japan and Korea, including a precedent-breaking parade with Emperor Hirohito through the streets of Tokyo.

Associate White House Press Secretary Ann Wheaton emphasized that the Japan-Korea schedule was "firm" when reporters questioned her about the possibility the President might cancel his visit to Russia on the first leg of the around-the-world trip.

Other officials said they did not foresee any change in the President's plan to visit Russia June 10-19, despite the U.S. spy plane incident.

Marysville Police Seek Deranged Man

Marysville, Calif.—(UP)—Police dug in behind sandbag fortifications today outside a home where an armed and possibly mentally deranged former dishwasher barricaded himself.

Other officers, armed with shotguns and tear gas bombs, took up positions in nearby homes and along an adjoining levee and had James Owens, 34, surrounded.

Owens was armed with two revolvers stolen earlier from policemen taking him for a mental examination. He had barricaded himself in the home of Mr. and Mrs. James Brown.

## Russia To Try American Pilot

Washington—(UP)—Russia informed the United States today that it will try U.S. pilot Francis G. Powers on espionage charges for his flight over the Soviet Union.

Powers piloted the U2 high-altitude spy plane which was downed in Russia May 1 during an intelligence-gathering flight.

Russia's official announcement that it will try Powers was contained in a note described by the State Department as a "protest" over the flight.

The department would not release the text or give further details.

## News Blackout on Panama Election

Panama City—(UP)—A news blackout on the results of Sunday's presidential election was in force today, but unofficial returns indicated opposition candidate Robert F. Chiari was leading.

## Pershing Missile Successfully Fired

Washington—(UP)—The Army said today that it successfully fired its long-range missile, the Pershing, in a test at Cape Canaveral, Fla.

## Trees . . .

By JOHN GRIBBLE

(Editor's note: The following comments on trees, particularly those adaptable to street use in Medford, have been prepared by John Gribble, well known reforester, and will be run in a series during the "tree planting season" here, now under way.)

### ASH TREES

Globe headed blue ash, *fraxinus quadrangulata*, is a native from Michigan to Iowa, south to North Carolina and Oklahoma. It is widely planted in the prairie region where it makes a vigorous growth. The bark is dark and, when cut, a resinous exudation appears which turns blue upon exposure to the air, from which comes its common name, blue ash.

The twigs are four-angled, and from this it derives its Latin name, "quadrangulata." The leaves are opposite, compound with from 5 to 11 leaflets on short stems, arranged along opposite sides of the main petiole, or leaf stalk. This is the tree for Third st., planted 40 to 50 feet apart.

Flowering ash, *fraxinus ornus*, is a native of southern Europe and western Asia. It is a small round-headed tree reaching a height of 20 to 25 feet. The flowers are a white, greenish color, fragrant, not orange blossom or spice, but a mingling of the two, and borne in dense clusters.

The leaves are opposite, compound with seven stalked leaflets, abruptly pointed and irregularly toothed. The winter buds are gray or brown. This is a combination street and home tree that you will always like for its beauty, fragrance and leathery-like leaves.

The flowering ash is for Eucalyptus and Easy st., planted 50 to 60 feet apart.

Columnar European mountain ash, *sorbus aucuparia*. In Germany this tree is known as the "Fogelberbaum" (bird-berry-tree). This tree is indigenous from Europe to western Asia. It grows with symmetrical, round-topped crown. The winter buds are wooley but not gummy. The compound leaves have 9 to 15 leaflets, oblong, one to two inches long, hairy when young, but smooth and gray when mature.

The young twigs are hairy and later turn grayish-brown. The fruit is in clusters of scarlet-orange berries from July to winter, great attraction for birds, especially when other food is covered with snow. This tree will grow in about any kind of soil.

The mountain ash is for 10th st. 50 to 60 feet apart. There are about 40 species of ash, widely distributed, a few representatives in the high mountains of Java and the West Indies. There are 21 species native in the United States. A few ash trees are about town. They are quite easily recognized by the winged fruit, a samara 1 to 1½ inches long, resembling in outline the blade of a canoe-paddle.

The ash, maple and certain dogwood species are the only native eastern America trees which have their leaves and winter buds arranged in opposite pairs. This and the compound leaf make it easy to identify the ash group.

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