

Sir Isaac Newton

If you were to ask someone who discovered gravity, the chances are that he'd answer "Sir Isaac Newton" and tell you the story of how an apple fell on Newton's head one day.

Historians find little truth to the legend of the apple, even though proud Englishmen have long pointed out the tree supposedly concerned. Actually, gravity was a discovery of the first prehistoric man who dropped something and saw it fall to the ground. Why then, is the name of Isaac Newton ranked with the outstanding scientists of his or any other day? Let's take a look at his life that started a cold Christmas day more than 300 years ago, in 1642.

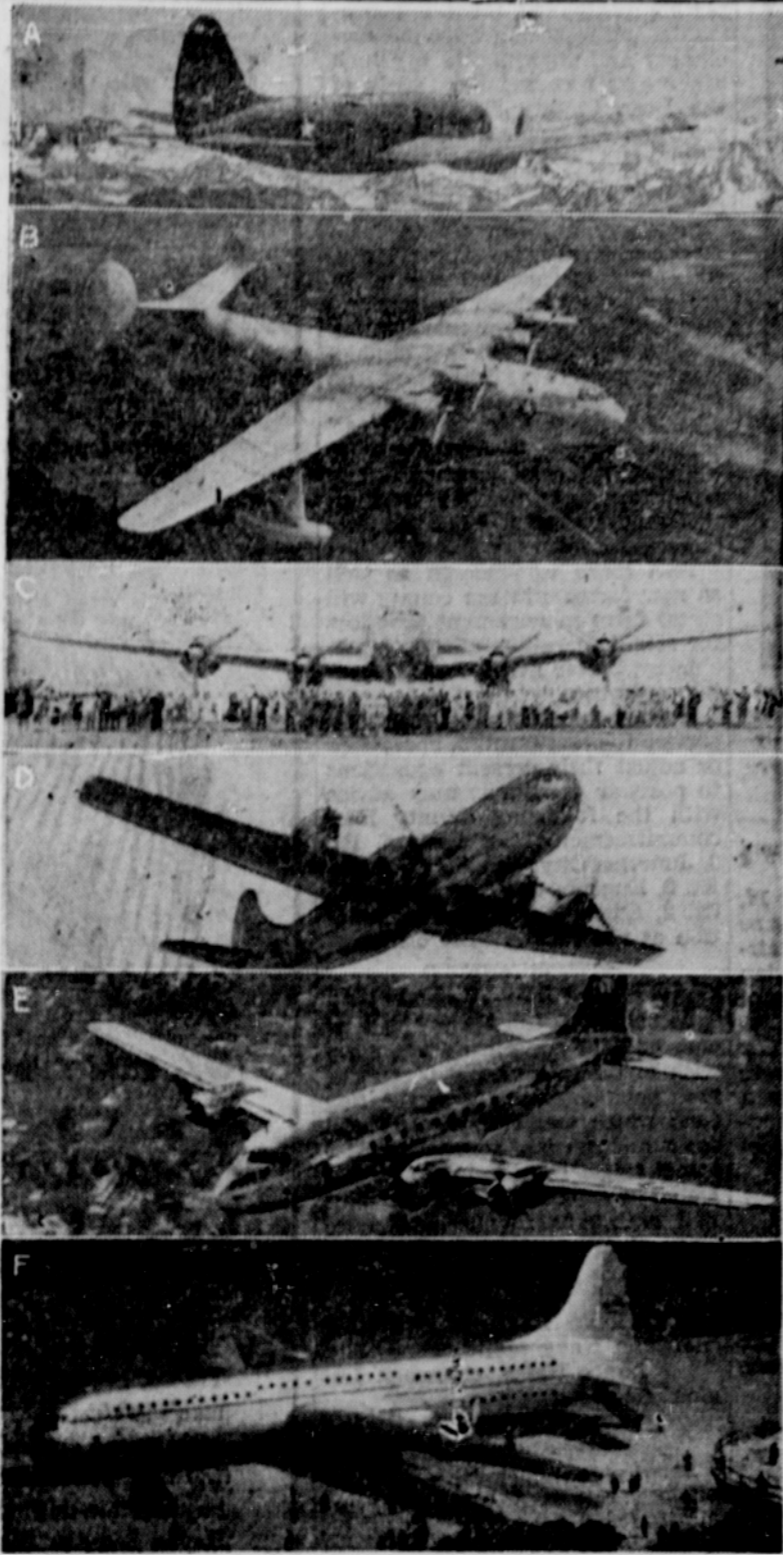
His father who had followed the respectable profession of farming and died several months before Isaac was born. When he was but two years old, Isaac's mother remarried, so little Isaac was sent off to live with his grandmother. Twelve years later his foster father also died, so he again joined his mother, who now had three more children.

Even though Isaac was only fourteen, being the oldest of the children, the job of supporting his mother and her family fell upon his shoulders. For two years he struggled with his father's farm, but his mind wandered to many things far removed from the farm. He could build the best kites and slings of any boy in the neighborhood; he designed and constructed complicated water clocks and sundials. It was easy for his mother to see that he was not happy on the farm, so he was sent off to Trinity college at Cambridge. Here he received his first taste of higher mathematics and the subject fascinated him. He studied long and diligently and was happier than he had ever been before. However satisfied as he might have been, this was not to last, for shortly after the brutal plague swept uncontrolled throughout England. As a result the schools were closed and he returned to his home at Woolsthorpe.

Instead of resuming his work on the farm, he started some of his first experiments. He secured prisms and lenses and made a detailed study of light. Consequently he was the first person to break sunlight into its rainbow of colors, and so today we still follow his laws of refraction.

It was also during this period in his life that he remembered the slings he used to make. At the time it had been just an interesting plaything, but now his scientific mind asked what held the rocks in the sling. Consequently he began working out mathematical formulas to describe this strange power. From this start he turned towards the moon. He envisioned it as a rock in an imaginary sling being hurled around the earth. He determined to define the force that kept the moon from flying off into space, and thus we have his first interest in gravity. He made long and arduous calculations involving the size of the earth, the distance to the moon, the speed of rotation and so forth. According to his theory, if the moon was

PLANES YOU WILL FLY IN



AIRLINES are ready to swing into action with these models, most of them war tested, but brand new to civilian operations. a—Curtiss Commando (C46)—Largest twin-engine transport, gained war fame flying the "Hump." It will carry 36-45 passengers at 250 miles an hour. b—Martin Mars (JRM)—World's biggest flying boat. Cruising at over 200 miles an hour, it can carry 106 passengers with a payload of more than 14 tons for over 3000 miles. c—Lockheed Constellation (C69)—Giant war transport and holder of a transcontinental record, can carry 64 passengers or considerably more people than shown standing under its 123-ft. wing span. d—Boeing Stratocruiser (C97)—Crossed continent in just over 6 hours. This counterpart of the Superfortress will carry 90 passengers at 330 miles an hour. e—Douglas DC4 (C54)—Workhorse of war-time transport will be among first of newcomers to civilian use. Carries 44 passengers at 250 miles an hour. f—Consolidated Vultee "37"—Giant 204-passenger plane is 12 times size of present twin-engine airplane and will cruise at 340 miles an hour.

held in place by gravity, it should fall towards the earth at a rate of sixteen feet every minute. Despite his ability with figures and the zeal with which he worked he was unable to prove his theory. Disappointed he turned again to his study of light and as a result he invented the first reflecting telescope that made the study of the stars an easy task from that day on. There is little difference between the giant telescopes in the observatories today and that little model which still stands in the library of the Royal Society in London.

By this time the plague had subsided so he returned to Cambridge and his study of mathematics. His first accomplishment upon his return to school was the invention of calculus which is an invaluable science of figures. He was awarded his degree when he was 26 years old and remained at the University as a professor of mathematics.

In 1672 a French scientist reported new calculations on the size of the earth. Immediately Newton returned to work on his theory of gravity. For days his classes went neglected until the day he was able to announce that

Ever Searching



Dr. William Charles White, of Washington, D. C., is chairman of the committee on Medical Research of the National Tuberculosis Association. Under his direction scientists have carried on continuous tuberculosis research for the past 20 years. The research is supported by the sale of Christmas Seals.

his theory was proven correct in every detail.

During the last 25 years of his life, Isaac Newton served as president of the Royal Society, then in March of 1727, the gray haired old man died. Today he is remembered as the man who gave us the theory of gravity, the laws of refraction, calculus, and the reflecting telescope.

Safety Hazard
Broken glass and tin with sharp edges and nails sticking up in boards clutter up the yard and are a safety hazard to playing children.

Scent Lingerie
You can scent lingerie by sprinkling the ironing board with cologne before ironing. The pressed-in scent clings to garments. 21-ltc

Creswell

And we will soon write it 1946. Also along with this, considerable water has gone under the proverbial bridge, and otherwise, the last week or so. Nor did all the water stop to go under the bridge—just joyfully whooped over and around, washing, destroying, floating off, and leaving confusion and ruin in its wake. The interrupted traffic on highway 99 brought on such a strange, wierd, quiet and the unusual sight of heavier train service along with the long Red Cross trains crawling cautiously along the rails, some of the track being unsafe for travel, gave us all a feeling of unreal and strange surroundings that we were most afraid to cope with.

Everywhere are stories of high water troubles and it was one grand feeling of relief to hear the heavy trucks go thundering past once more and private cars shuffling through we knew traffic was again open, and things getting back to normal.

Considerable flu is reported all around us. Seriously ill with a heavy cold that developed flu later, put Creswell correspondent on the shelf for over Christmas holidays. The first time in our lives to miss a Christmas dinner or family round-up.

Mrs. B. Vaughn is nursing a badly crushed hand, the result of having it crushed in a car door.

The various churches held their Christmas services as well as the lodges and clubs. People from a distance are tied up, not being able to leave because of high water conditions. Many out-going people from here have been unable to return home. Mrs. Clarence Jackson, R.N., has been unable to get to Eugene the past few days. She has been promoted to supervisor at Sacred Heart hospital.

The Traxlers enjoyed a family gathering at Christmas. Mrs. Clara Traxler of Eugene also attended.

Guests and family members were Christmas guests at the Rosina Ziniker home.

The Easterlings are enjoying a visit with the returned veteran son Robert, who managed to be one of the fortunate soldiers who made it home for Christmas.

Mr. and Mrs. E. Reynolds are away visiting relatives in Seattle, Washington, for several weeks.

Divide

Mrs. Buelah Robinson returned home Saturday from the Lewis Sovern's home in Lynx Hollow.

Mr. and Mrs. Oral McLaughlin of Lorane were Saturday evening visitors at the J. R. Ferguson home.

Mr. and Mrs. Elliot Gray of Whittier, California, have bought the Frank McGarvin and Amos McGarvin property. Mr. and Mrs. Frank McGarvin have purchased the home of Mrs. Henrietta Olson in Cottage Grove and will take possession about the middle of February.

Mr. and Mrs. Ed Sutton and sons Clair and Halbert, Lyle Mullica of Tacoma and Mrs. Lyle Mullica and son Dale of Cottage Grove were guests on Christmas day of Mr. and Mrs. Frank McGarvin.

John Lamb and daughter Jean and Mr. and Mrs. John Robinson and son Phillip spent Christmas with Mrs. Buelah Robinson.

Raymond Shaw is spending some time at Wapato, Washington with his mother-in-law, Mrs. Williams, who is seriously ill.

Mr. and Mrs. Roy Johnson of Disston are visiting for a few days with Mr. and Mrs. Roscoe Burt.

Mr. and Mrs. Bill Pitts have sold their place here and are moving to Yachats where they own property. Mr. and Mrs. Ed Colton have bought the Pitts place and are moving on.

Robert St. Elmo had his car badly damaged a few days ago when he turned off the highway into his driveway and was struck by a car which was following him.

Blowing Bubbles
An interesting pastime for children is blowing bubbles. Add a teaspoonful of pure glycerin to castile suds and a coloring of any prepared vegetable tinting. Yellow can be made by adding orange juice, and red by adding beet juice. The glycerin toughens the bubbles, makes them larger and they last longer.

CARD OF THANKS
We wish to thank our friends for their kindness and sympathy during the illness and death of our husband and father. Your thoughtfulness is deeply appreciated and will not be forgotten. D. M. Gamet family. 21-ltc

Paris Traffic

(C. W. Kirkpatrick)
Paris traffic is amazing and wonderful to behold—whether you see it on the beautiful, spacious tree-lined boulevards or on the narrow, dingy side streets. It is amazing because of the varied assortment of vehicles and because accidents are virtually non-existent. If there is any type of vehicle other than a ship or airplane that is not represented in Paris traffic, I don't know what it is.

One day I stopped at the corner of Place De La Bourse to satisfy my curiosity with a "quickie" survey of the passing traffic. Within two minutes by the clock I noted the passing of the following types of vehicles: Passenger cars, trucks, motorcycle carts, bicycles, bicycle carts, hand carts, both push and pull—of all kinds, shapes and sizes—, horse and wagon. It is fascinating to watch the maneuvering of these assorted vehicles as the drivers deftly dodge here and there to avoid collisions.

Bicycles are everywhere. Their riders include both sexes and all ages. Their jangling bells are perhaps the most familiar sound in Paris. They weave in and out of traffic with a smoothness that would rival that of our best broken field runners. There is almost perfect synchronization between the riders and the crowds of pedestrians—each person automatically stopping or hastening in order to make a passage for them as they probe their way through the spasmodic openings without hitting anyone. Only once have I seen a pedestrian hit by a cyclist.

Mr. and Mrs. Hsrmann Kanel were dinner guests New Year's Eve at the Monte Thornburg home on Silk Creek. Christmas day guests at the Herman Kanel home were Mr. and Mrs. Ray Etheridge and son of Salem, Mr. and Mrs. Ray Kanel and daughter of St. Helens, Mr. and Mrs. Basil Kyle and son of Mt. View, Mr. and Mrs. Leslie Kyle and family of Cottage Grove. Mr. and Mrs. Clarence Peterson were business visitors in Coburg Tuesday.

Many of the vehicles are bicycles—or some variant thereof—operated by physically handicapped riders. Many of them have lost a leg or arm. Their skill appears to be equal to that of their more fortunate countrymen. They manipulate their vehicles with complete confidence and nonchalance. The traffic snarls and confusion that causes some of us to tear our hair and gnash our teeth does not disconcert them one little bit.

A large share of the credit for the low accident record must go to the traffic police who are constantly alert and vigilant. But mainly it is due to some indefinable sixth sense or instinct the drivers and pedestrians have developed. Incidentally, our own American soldiers are fitting into the pattern quite nicely. Occasional curses are heard following the inevitable "close shaves." American profanity may or may not be as colorful on such occasions as that of two Frenchmen whose vehicles skim by so close you wonder how they missed. But I wouldn't know. I've heard the latter, but I couldn't understand it.

Retains Milk Quality
The quality of milk can be maintained more easily in warm weather if the milk utensils are rinsed with a chlorine solution just before milking time. The same result can be obtained by using boiling water but the chlorine solution usually is more practical. The same solution may be used to wash the cows' udders.

Easy Canning
During the busy canning season pick out the kettles and pans you use most frequently. Place them where you can reach them easily. Don't stack them and don't store them where you must stoop for them.

We Still Have the Same Aim for 1946

To give you dependable drug service day in and day out.

And thank you for your patronage and understanding cooperation during the year just past.

KEM'S for DRUGS

The Rexall Store

Dorena

Guests on Christmas at the Chas. Teeters home were John Teeters and son and daughter of Meham, Carl Volgamore and son Millard of Vancouver, Mr. and Mrs. Milton Anderson and daughters of Mill City, Mr. and Mrs. Ralph Teeters of Cottage Grove. Mr. and Mrs. Hsrmann Kanel were dinner guests New Year's Eve at the Monte Thornburg home on Silk Creek.

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Mrs. Mary Land and Mrs. Ada Jennings of Harrisburg were Christmas dinner guests at the Louis Dodge home.

Mrs. Olive Mull spent the holiday vacation at her home in Eugene.

Mr. and Mrs. Ralph Boslaugh

and daughter Ann of Cottage Grove and Jerry Mosby of Eugene spent Christmas at the Mrs. M. Mosby home.

DDT Works Slowly
DDT has proved the best mosquito killer ever discovered, but it is not the quickest acting poison known to entomologists. In studies of how the poison works, department of agriculture investigators have fed microscopic crystals to individual mosquitoes and have observed results. Many of the insects live for hours, but die in a day or less. Death is sure—but sometimes slow.

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Notice to Our Milk Patrons

Due to a raise of 10 cents a pound butter fat we are compelled to raise the price of retail milk to 15 cents per qt. in order to pay expenses, starting January 1st.

COLLINS DAIRY

Hail to Young 1946

We may be a bit belated in expressing our New Year greetings, but we wish for your and yours the best of everything for 1946.

And may we pause to express our appreciation for the patronage and the cordial relations we have enjoyed during 1945. Our service, we know, was not all that could be desired. We are optimistic enough to believe that the coming year will bring improvement.

Again we thank you.

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