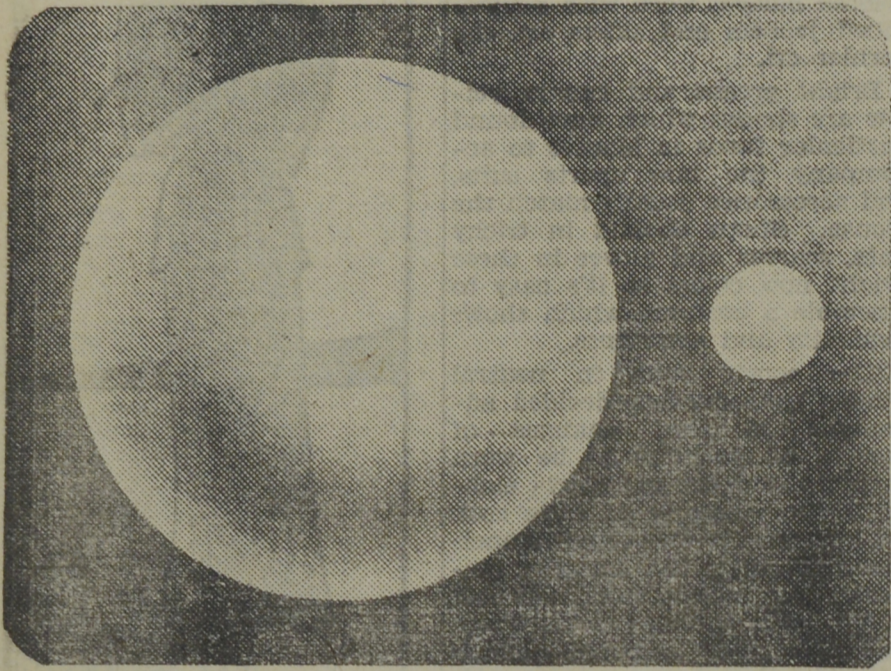


Astronomical Triumph

DISCOVERY OF NEPTUNE WAS RESULT OF EXPERT MATHEMATICAL CALCULATION



Neptune as compared with Earth.



Uranus puts on spurts.

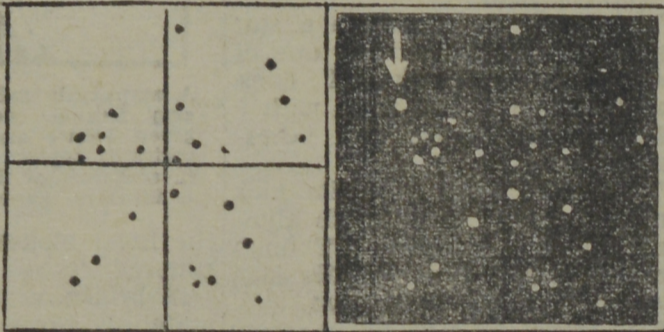


Chart used by Galle in his search for Neptune, left; to right is same portion of sky, arrow indicating the planet in the field of vision.

By RICHARD BAYLIS,
Central Press Canadian Science Writer

The accidental discovery of Uranus by Sir William Herschel, in a way, to the discovery of Neptune, but we must think of the latter as a planet which was discovered when scientific men set out to explain the irregularities in the orbit of Uranus, which they could only account for by the influence of still another planet outside its own orbit.

Uranus Roused Suspicions

For Uranus, soon after discovery, began to exhibit a strange behavior, wandering from the orbit that science had determined for it and occasionally spurting along its path at a faster rate and then being retarded in its motion. Something apparently was wrong, and all the astronomers of that time, about the year 1840, were eager to discover what caused the planet's irregularities.

Among them was a young English mathematician, J. C. Adams, of Cambridge, who believed he

could trace Uranus' difficulties to the action of an outside planet. By 1846 he believed he had his solution and submitted it to the royal astronomer of England. This gentleman took no immediate action.

In the meantime, however, a young French astronomer, U. J. J. Le Verrier was working on the problem and arrived at the same mathematical result as had Adams. About the same time that the British royal astronomer submitted Adams' figures to the Greenwich observatory so that the search for the new planet might begin, Le Verrier submitted his theory and figures to Dr. J. G. Galle, a friend at Berlin. Galle was possessed of better star charts and on the first evening he directed his telescope toward that section of the sky to which Le Verrier had directed him, he picked out the much-sought-after stranger.

Larger Than Uranus

The planet was named Neptune. We know little about Neptune for its disc is faint and remote even in the largest of telescopes. It is 2,793,500,000 miles distant from the sun and is slightly larger than Uranus, having a diameter of 33,000 miles. It appears as a greenish disc in the telescope and no surface markings are visible. Neptune has one satellite, which has been given the name Triton.

F. S. WALKER

PLUMBING and HEATING

14 Church St., Phone 3-2025
SAINT JOHN, N. B.

Has It Hardwood Floors?

This is the first and most important question a tenant will ask. If the answer is Yes, the house is rented immediately—to desirable tenants.

WHY HANDICAP YOUR PROPERTY?
LAY HARDWOOD FLOORS NOW.

They are not expensive and they will keep your good tenant or rent that vacant flat quickly.

MURRAY & GREGORY, Ltd.

SAINT JOHN, N. B.

IMPORTANT to ALL WOMEN DRIVERS

Pavement a bit greasy, but not much traffic. No worries except that boy weaving uncertainly on his bicycle on your "blind" side. You step on the gas in order to get by him. . . He suddenly gives you a wild look over his shoulder and wobbles towards you. . . side-slips right under your wheels. You MUST STOP QUICKLY! Otherwise you're apt to find yourself in the newspapers, labelled in the public mind as:—"another careless woman driver!"



Some day the world will get over this unjust prejudice against women drivers. Meanwhile be wise and equip your car with exceptionally **SAFE Seiberling Duo Tread Tires.**

NATURALLY you ask:—"Why are Seiberling Duo Tread Tires so much safer?" The answer is simple.

Seiberling . . . and only Seiberling . . . offers a *genuine air cooled tire. The diagram at the lower right will give you an idea of this wonderful feature. Any Seiberling dealer can explain it to you in two minutes.

This exclusive genuine air cooling makes the Seiberling tread more flexible. It allows quicker stops. Lessens the danger of skids. Makes steering

easier and promotes riding comfort. It also allows Seiberling to use a 51% thicker tread with 50% less punctures; practically blow-out proof.

Seiberling Duo Tread Tires are the only tires in the world with TWO treads, one beneath the other. They never wear smooth and give amazing mileage!

Seiberling dealers also have the new Seiberling Low Pressure tire and a complete line of Seiberling quality standard make of tires. Specify Seiberling Tires for your new car or new Truck.

*Seiberling genuine Air Cooling is fully protected by patents.

You'll go FARTHER on FACTS than on EXAGGERATED CLAIMS!

THIS TIRE reads WELL

THIS TIRE wears WELL

Ask YOUR DEALER to SHOW YOU the FACTS ABOUT

SEIBERLING Air Cooled **TIRES**

Labels on tires: Burst-Proof, Never Skid, Safer Than Others, World's Greatest Tire, Last Twice As Long, Best Tire Built, Blow-Proof, Skid-Proof.

PART OF THE GAME one statesman. good deal like a bunker in golf. "A party platform is a mighty "Yes," replied the other, "a The rules require it, but you show important consideration," said party platform in politics is a your skill in avoiding it."