

STAR RZ CEPHEI FASTEST OF ALL

Harvard Observatory Declares
That 2,500,000 Miles Per
Hour Is Its Pace.

KNOWN TO ASTRONOMERS

Speed of the Star Was Measured at
Harvard Observatory by Complicated
Process of Observations
and Computations.

Cambridge, Mass.—Nearly 2,500,000 miles per hour, or 1,100 kilometers per second, is the speed record set by the star RZ Cephei, which, according to a bulletin issued by the Harvard college observatory, has been found by Harvard astronomers to be moving through space with a greater velocity than that of any other star whose speed has yet been determined.

This star, a variable star of the so-called cluster type, has long been known to astronomers, but its velocity was never measured until recently. It is far too faint to be seen with the naked eye, being of the tenth magnitude. It is in the constellation Cepheus, and is 3,800 light years distant from the earth, which means that the light from it which astronomers now see through their telescopes started on its journey to the earth in the time of the shepherd kings of Egypt, nearly 1,900 years before Christ.

Velocity Is Greatest.

That distance is only a small fraction of the distance from the earth to some of the more distant star clusters, but the outstanding fact about RZ Cephei is that its velocity as it flies through space is the greatest yet known for a star.

The speed of the star was measured at the Harvard observatory by a complicated process of observations and computations, including among other things the comparison of photographs recently taken at Harvard with others taken 31 years ago, when the observatory was just beginning its task of preserving a photographic history of the entire sky. Since that time a "sky patrol" has been kept without interruption at Cambridge, supplied by photographs taken at the station at Arequipa, Peru, and the history of the stars down to the eleventh magnitude has been written by the stars themselves on over 250,000 photographic plates weighing 140 tons.

Study Sky Photographs.

Most of the discoveries made by Harvard astronomers, it is said at Cambridge, are not made by looking through a telescope at night, as is popularly supposed, but by doing what was done in the case of this discovery of the speed of RZ Cephei, by studying and measuring by day, in the laboratory, photographs taken at night, and by computing the significance of the changes in the brilliance or position or spectra of the stars as recorded on these plates.

The discovery of the immense speed of RZ Cephei is said to be important to astronomers as suggesting that this type of variable star escapes from the singular clusters, a hypothesis suggested also by other recent observations.

Report of Condition of the Bank of More

at More, in the State of Oregon at the close of business December 29, 1922.

RESOURCES

1 Loans and discounts, including rediscounts shown in items 29 and 30, if any	250,457.04
2 Overdrafts secured and unsecured	230.17
3 U. S. government securities owned, including those shown in items 30 and 35, if any	100.00
4 Other bonds, warrants and securities, including foreign government, state, municipal, corporation, etc., including those shown in items 30 and 35, if any	1,500.00
5 Banking house, furniture and fixtures, 2,668.80	2,668.80
6 (a) Cash on hand in vault and due from banks, bankers and trust companies, designated and approved reserve agents of this bank	42,005.47
10 Exchanges for clearing house and items on other banks in the same city or town as reporting bank	10.00
11 Checks on banks outside city or town of reporting bank and other cash items	2,015.41
Total cash and due from banks, items 6, 9, 10, and 11	44,630.88
12 Interest, taxes and expenses paid	25,677.96
Total	325,164.85

LIABILITIES

16 Capital stock paid in	25,000.00
17 Surplus fund	25,000.00
18 (a) Undivided profits	34,726.90
(b) Less current expenses, interest and taxes paid	587.77
21 Net amounts due to other banks, bankers and trust companies	158,672.35
22 DEMAND DEPOSITS, other than banks, subject to reserve:	
Individual deposits subject to check, including deposits due the State of Oregon, county, cities or other public funds	158,672.35
Total of demand deposits, other than bank deposits, subject to reserve, items 22, 24, 25, 26	158,672.35
TIME AND SAVINGS DEPOSITS, subject to reserve and payable on demand or subject to notice:	
27 Time certificates of deposit outstanding	61,177.83
Total of time and savings deposits payable on demand or subject to notice, items 27 and 28	61,177.83
31 Bills payable with federal reserve bank or with other banks or trust companies	20,000.00
Total	325,164.85

State of Oregon

County of Sherman } ss.

I, F. E. Fortner, cashier of the above named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.

F. E. Fortner, Cashier.

Correct—Attest: L. Barnum, E. O. McCoy, Directors.

Subscribed and sworn to before me this 11th day of January, 1923

I, M. Peterson, Notary Public.

My commission expires June 30, 1924.

AW, WHAT'S THE USE



AGREEMENT HELD ILLEGAL

Daugherty Gives Opinion on Employers' "Open Shop" Contracts.

Washington, D. C.—Agreements and contracts having for their purpose the maintenance of an "open shop" labor policy are held to contravene the conspiracy clauses of the Clayton act, under a ruling of Attorney-General Daugherty, made known here.

While occasioned by a specific situation, relating to the Builders' Exchange of San Francisco, the opinion is declared to be sweeping in its scope and to cover generally, for the information of federal district attorneys, all phases of combinations affected either by labor against employers or vice versa.

The ruling was regarded as of special interest at this time in view of the repeated reports that several projects of more than ordinary size might be undertaken with clauses in the contract setting forth a definite policy toward employment.

Solons in Olympia to Hurry Business.

Olympia, Wash.—The 18th session of the state legislature promised to swing into action speedily after convening at noon Monday. Organization details, which frequently have delayed actual getting down to business in past sessions, were worked out for this session to the point where little if any delay was encountered. Alvin M. Wexley, national commander of the American Legion, addressed a joint session at 2 o'clock Monday afternoon.

Would Pay Bonus With Excess Profits.

Washington, D. C.—A soldiers' bonus to be financed by a re-enactment of the excess profits tax law was proposed in a bill introduced by Representative Frear, republican, Wisconsin.

Dr. Sabin Heads Oregon Health Board.

Salem, Or.—Dr. C. G. Sabin, prominent Portland physician, has been appointed president of the state board of health to succeed Dr. J. C. Smith, who has resigned.

So Different From Hers.

Edith—"Jack wants me to set the date for our wedding." Miss Fry—"Goodness! Do your fiancé take their engagements as seriously as that?"—Boston Evening Transcript.

Birds' Attitude in Sleep.

Birds, with few exceptions, sleep with their heads turned tailward over the back and their beaks thrust beneath the wing.

SCIENCE BARES SECRET

Cause of Gravitation Is Disccovered by Professor See.

Problem Has Baffled Scientists Since Newton Established Law of Gravitation 235 Years Ago—Result of Long Study.

San Francisco, Cal.—The cause of gravitation, which has baffled scientists since Newton established the law of gravitation 235 years ago, has been discovered by Prof. T. J. See, government astronomer at Mt. Wilson, according to an announcement made by Professor See in an address before the California Academy of Sciences.

Professor See announced he had discovered the cause of magnetism and of universal gravitation, and he said he was also able to prove that the two magnetic poles were at unequal depths in the earth.

In completion of 40 years of research on magnetism and gravitation, Professor See declared that the cause of magnetism lay in the action of ether waves considerably longer than those of light and heat, and asserted there was a connection between magnetism and universal gravitation which definitely proved that gravitation was also due to similar waves in the ether traveling across the heavenly space with the velocity of light.

The processes of attraction under the wave action of magnetism and of gravitation are totally invisible, said Professor See, whose explanation of his discovery was substantially as follows:

The lines of force around a magnet were first studied by the celebrated English natural philosopher Faraday nearly a century ago; and while Faraday believed that magnetic inductive action might be conveyed along these curved lines of force, he could not prove it. Action of physical forces in straight lines has, therefore, continued to be adopted by all authorities, including Gauss himself, author of the celebrated "Mathematical Theory of the Earth's Magnetism," 1838.

But now, 84 years later than Gauss, Professor See proved that the magnetic lines of force are vertical elements in ether, and thus are the rotation axis of the whole body of waves proceeding from a magnet.

WHITE CHILD VOODOO VICTIM

Body Found in Cuba With Heart Torn Out by Witch Doctors, Say Authorities.

Santa Cruz del Sur.—Discovery of the mutilated body of Cuca Gonzalez Lisen, the five-year-old white child who disappeared a few days before, and an autopsy performed later, disclosed that the little girl undoubtedly was the victim of witch doctors.

The authorities express the belief that the child was kidnapped and her heart torn out to be used in voodoo practices. They assert they have evidence that the crime was the result of negro sorcerers' attempt to cure the wife of one of the employees of the sugar central, Yamaqueyue, located near here, of tuberculosis. One of the half-dozen suspects being held in Camaguey, a Haitian, it is added is suspected of being the voodoo leader.

RAT ATTACKS SLEEPING MAN

Injured Animal Makes Wound in Man's Neck Within Half Inch of Jugular Vein.

Wilmington, Del.—William W. Windsor was the victim of the attack of an infuriated rat while sleeping in the rear of his photographic studio the other night.

Windsor was first awakened by a noise and, flashing a light, saw a rat dragging away an apple which had been taken from a bag in the room. He placed the apple in a safe place and then hung the apple which the rat had striven to make off with from string from the ceiling, but out of the animal's reach.

Later he was awakened from his sleep by a stinging sensation in his neck and, brushing his hand across his face, touched the rat, which had inflicted a flesh wound. The wound was within a half inch of the man's jugular vein. Mr. Windsor's daughter died several years ago after having been bitten by a rat.

Sauerkraut's Pal Hard Hit.

Washington—High prices for hot dogs have hit Germany, the Commerce department has been advised by Consul John A. Scott at Dresden. The consumer places the blame on the butcher, he says, while the latter condemns the slaughter houses. Beef, mutton and pork have risen more than 100 per cent in the last sixty days, while slaughter-house fees have risen 300 per cent.

Not Like Other Girls

By CLARA DELAFIELD

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I wonder, I wonder so much. And there's nobody can tell except Elsie Davis Middleton—she won't. Not that I've ever asked her. I wouldn't dare to do that. No one could take liberties with Elsie. You see, she never was like other girls. There's a sort of free masonry among girls, just as there is among married women, and among men, of course. But Elsie always ran by herself. That's what rather put the girls against her.

I remember when she left college she adopted a sort of highbrow attitude toward life. Instead of going about with the young fellows, she'd be off to a nook with a shady book—I mean, off to a shady nook with a book, poetry usually. And there she'd sit, wrapped in meditation fancy free, and listening to the other girls having a good time with the boys.

I wonder, I wonder if Elsie really liked it. She never wanted anything to do with the men. She said love was a sacred thing, and came once only in a lifetime, and if you didn't find your love returned you just kept quiet about it, and went on living yourself in as long as you lived, until you either died or pined away.

I remember young Rowell. He was a queer, poetical sort of chap, with a faraway look in his eyes, and when he was staying here one summer—it must have been five years ago—he and Elsie just naturally gravitated toward each other. They'd saunter off together into the shade of the old apple tree and sit there, with their books in their hands. First young Rowell would read a bit and then Elsie'd read a bit—and all the time the other young folks were enjoying themselves in a healthy, natural way in hammocks, and walking off in pairs, and buggy driving.

Well, what naturally happened? Florence Keith came down for the week. She was a fluffy little thing, full of spirits, and she hadn't been here a day before she fixed young Rowell with her basilisk stare. Next day, when Elsie wandered off with her book, young Rowell didn't turn up. He'd taken Florence off to see the hermit in his cave—Joe Briggs, who works winters in the boiler factory. And all that week Elsie was left alone, and at the week-end young Rowell saw Miss Keith on the train as far as Philadelphia, and then went on his own way.

Marry? No, nothing but a summer flirtation, of course. Maybe Elsie wasn't mad. She didn't set hardly anything the rest of her stay here, and she used to mope more than ever, and read her love poems to herself under the apple tree.

You know, the same crowd comes down here pretty regular year after year. Next year Elsie was just the same, only a little more so. She wouldn't have a thing to do with the young men, and Florence had things all her own way. Young Rowell? Oh, he'd gone West. Yes, he married a rancher's daughter out in Utah. He doesn't appear again in the story.

"For the lord's sake, Elsie, why don't you make up to some of the young fellows?" I asked her. I think it was the year after that. "You're good-looking, and you can be bright when you want to. What if you want to secure a husband? They don't take a highbrow. Why, the sight of those books of yours puts the lid on your chances."

I'll never forget how Elsie looked at me and answered: "It's better to have loved and lost than never to have loved at all."

I hadn't a thing to say to that, and I let her keep on loving next year, and the next. The fifth year, little Florence Keith met her fate. She'd played with the boys' hearts so long, it was high time she got caught herself. Young Middleton was the son of the banker of Boston—ever hear of him? Worth a few cool millions, but nothing like what some of those bankers have got. Still, he was a good catch, and the odd thing was, Florence really was crazy over him. And there was Elsie with her shady book—I mean her book and her shady book, and—next thing that happened was when Florence and Middleton had had a little tiff. I was walking along the creek, and who should I see but Middleton and Elsie, sitting side by side staring into the pool.

"I shall never love again," I heard Elsie say in her wisest way. "One life-time love. Ah, me! 'Tis better to have loved and lost than never to have loved at all."

I turned and raced back. "Florence, for the love of Mike get your books into him," I gasped. "Elsie Davis is out for battle."

It was too late. Well, what could you expect? They were engaged by supper time, sloped that night, and were married next morning over the grate fire.

Hair Curling Is Ancient.

Crimping the hair is an old invention. Even the ancient Romans used crimping irons.

By L. F. Van Zelm

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ARID AREAS RECLAIMED

Government Bureau Adds 1,675,000 Acres in 20 Years.

Annual Report Gives Result of Twenty Years of Operation of Reclamation Act—Government Investment \$195,000,000.

Washington—A 20-year review of government reclamation work is contained in the annual report for the fiscal year ended last June of Director Arthur P. Davis of the United States reclamation service of the Department of the Interior, as the 17th day of June, 1922, marked the completion of 20 years of operation of the national reclamation act.

The investment of the government during this period has been in round numbers \$195,000,000, which has accomplished the construction of works which about 1,675,000 acres of former arid land in the West has been furnished with a complete water supply and about 1,100,000 additional acres in private projects has received a supplemental supply. On government projects the area comprises 31,462 farms, at an average acre per farm of about fifty-three acres, supplying more than 80,000 families.

With the investment mentioned the service has created more than 200,000 cubic yards of earth and rock, of which about 14,000,000 cubic yards have been placed in dams. Canals aggregating more than 13,000 miles have been built, including 27 miles of tunnels and 135 miles of flumes. Structures of all kinds and sizes, to the number of 110,000, have been erected in connection with the work.

Some of the large projects constructed have the Roosevelt dam in Arizona, which is 200 feet high; Arrowrock dam in Idaho, 549 feet high; Elephant Butte dam in New Mexico, 306 feet high, and the Pathfinder and Shoshone dam in Wyoming, 218 and 326 feet high, respectively. Reclamation work also included the erection of many other dams, canals and tunnels, flumes, drains, power plants, transmission and telephone lines, roads, railroads, pumping plants and a variety of other classes of incidental work.

From an agricultural standpoint, the report said, the reclamation service has added another state to the Union, equal in value of its agricultural products to that of the state of West Virginia or the combined values of the crops of Vermont and Connecticut. The value of crops raised on farms on government projects in 1921 amounted to \$40,620,800, exclusive of about \$45,000,000 additional raised on private projects which were furnished water from works erected by the service.

ONE-TON CANDLE FOR CARUSO

Sixteen-Foot Memorial Taper Made in New York Designed to Last Eighteen Centuries.

New York—A candle of chemically treated beeswax, five feet in circumference at the base, 16 feet high and weighing one ton, known as the Enrico Caruso memorial candle, has just been completed in the studios of Antonio Ajello & Bro., and will be shipped to Pompeii, Italy, within a few days. It cost \$3,700 and was made on the order of an orphan asylum in New York of which Caruso was a generous benefactor.

The candle will be placed in the Church of Our Lady of Pompeii, where Caruso last worshipped. It is intended to last 18 centuries, burning, at the suggestion of Cardinal Vanetti, 24 hours on each All Souls' day, which falls on November 2.

FORTUNE FOR COURTESIES

Marjorie Rambeau, Actress, Check Boy and 100 Others Share in \$250,000 Estate of Californian.

San Francisco.—Actresses, boot-blacks, waiters, physicians, judges and society women—in fact, everyone who left a good impression on the soul of a man who remembered little acts of kindness and courtesy—were beneficiaries in the will of the late Joseph B. Rambeau, whose \$250,000 estate was ordered distributed to 102 persons.

Among them were Marjorie Rambeau, actress, who will receive \$1,400, and Harry Morgan, check boy in San Francisco, who gets \$700. Rambeau was a bachelor clubman. Many of the persons remembered in his will he saw only once in his lifetime.

Difference Is Fundamental.

There is this difference between a wise man and a fool: The wise man expects future things, but does not depend upon them, and in the meantime enjoys the present, remembering the past with delight. But the life of the fool is wholly carried on to the future.—Exchange.

Sharks' Bones Make Canes.

In Venezuela walking sticks are made from the backbones of sharks stiffened with rods of steel.

A True Test of Friendship



PROVERBS WHICH ONE QUOTES

People Naturally Are Apt to Use Those Which Relate to Their Businesses.

Did you ever notice how provincial and self-centered the world is? Why, we can't hold an ordinary conversation without some hint of our petty business affairs entering in. The very proverbs which we affect, the very bromides of speech to which we are subject, are all directly traceable to our particular every-day pursuits.

Having always suspected this to be true, I one day set about to prove it. In my daily search for "Judgments," I made the rounds of all my friends, engaging them in pleasant colloquy.

Here's the result:

"I'm pleased to meet you," smiled the butcher.

"Suff yourself," said the tailor.

"That's right," agreed the traffic cop.

"And so forth," said the dressmaker.

"That's a dirty shame," observed the washwoman.

"Every little bit helps," philosophized the carpenter.

"That's the long and short of it," reported the rural telegraph operator.

"Try to keep a stiff upper lip," admonished the barber.

"Yes, I need it," protested the baker.

"I'm not very well posted on that," faltered the bookkeeper.

"These words shall be my last," averred the cobbler.—Alfred Eugene By, In Judge.

Idle to Remember Past Lapses.

Act up always to your convictions, and when you have been unfaithful, bear with yourself, and resume always with calm simplicity your little task.—Madame Guyon.

Gets Rough With Deer's Ribs in Half-Mile Race

Monticello, N. Y.—Tales of hunters who have had remarkable adventures in the wilds of Sullivan county are drifting in.

There is the story of Leo Neater. Leo runs a boarding house south of here and does not get much time to hunt deer. When he saw one loping across his front lawn he was pretty sore, because he'd just seeded the lawn. He got a hammer and chased the deer for half a mile, running neck and neck with it the first quarter and thumping its ribs so lustily that Leo Turner, who was following them in a buggy, thought there was a bass drummer ahead of him.

What Wives Know.

"Experience teaches a wife that the more she agrees with her husband, no matter how big a fool he is, the better she gets on."—said a woman in an English police court.

Postal Employees' Holidays.

January 1, February 22, May 30, and Christmas are the holidays that are given to employees of the post-office department.

Report of Condition of the Farmers State Bank

at More, in the State of Oregon at the close of business December 29, 1922.

RESOURCES

1 Loans and discounts, including rediscounts shown in items 29 and 30, if any	167,044.87
2 Overdrafts secured and unsecured	272.22
3 U. S. government securities owned, including those shown in items 30 and 35, if any	5,000.00
4 Other bonds, warrants and securities, including foreign government, state, municipal, corporation, etc., including those shown in items 30 and 35, if any	1,500.00
5 Stocks, securities, claims, liens, judgments, etc.	1,600.00
6 Banking house, (none); furniture and fixtures, 1,680.00	1,680.00
7 Real estate owned other than banking house	168.00
8 (a) Lawful reserve with federal reserve bank	4,822.96
(b) Cash on hand in vault and due from other banks, bankers and trust companies	12,178.15
10 Exchanges for clearing house and items on other banks in the same city or town as reporting bank	198.87
11 Checks on banks outside city or town of reporting bank and other cash items	11.88
Total cash and due from banks, items 8, 9, 10 and 11	17,211.56
15 Other assets, if any	3,567.80
Total	198,394.45

LIABILITIES

16 Capital stock paid in	45,000.00
17 Surplus fund	7,000.00
18 (a) Undivided profits	17,737.81
(b) Less current expenses, interest and taxes paid 13,907.11	3,830.70
23 DEMAND DEPOSITS, other than banks, subject to reserve:	
Individual deposits subject to check, including deposits due the State of Oregon, county, cities or other public funds	74,384.82
Total of demand deposits, other than bank deposits, subject to reserve, items 23, 24, 25, 26	74,384.82
TIME AND SAVINGS DEPOSITS, subject to reserve and payable on demand or subject to notice:	
27 Time certificates of deposit outstanding	48,678.93
Total of time and savings deposits payable on demand or subject to notice, items 27 and 28	48,678.93
31 Bills payable with federal reserve bank or with other banks or trust companies	19,500.00
Total	198,394.45

State of Oregon

County of Sherman } ss.

I, A. B. Riddell, cashier of the above named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.

A. B. Riddell, Cashier.

Correct—Attest: W. H. Ragdale, A. C. Thompson, Directors.