THE OMAHA SUNDAY BEE MAGAZINE PAGE

HOW THE RINGS PLANET SATURN AFFECT THE WEATHER SEL EARTH



The Diagram Shows How, According to Professor Turner's Theory, the Meteor Swarm of the Leonids Strikes the Meteoric Rings of the Planet Saturn. Portions of the Rings Are Torn Away by the Contact and Plunge into the Sun, Causing the Sun Spots. These Sun Spots Set up a Vast Magnetic Disturbance, Which Is Communicated to Earth and Causes Great Variations of Temperature and Storms on Our Planet.

Professor Turner's Interesting Theory of Whirling Masses of Meteorites That Make Sun Spots and So Fill the Uni-

rings of Saturn driven into the sun by the meteors called Leonids.

Sunspots are of vital importance to our existence on earth. They reach a period of maximum growth once in every eleven years. This period is always accompanied by great storms on earth and other disturbances of the weather.

surface of the sun of irregular form, but having a tendency to be round. They vary greatly in eige, but are frequently from 50,000 to 100,000 miles in diameter.

They present an extraordinary appearance to the astronomer viewing them through the telescope. Concerning the nature of the dark central part of the spot, only guesses can be made, but the edger present the most fantastic appearance conceivable. Sometimes they are walls of flame hundreds of miles long reaching out from the surface of long reaching out from the surface of the sun.

As a general rule, periods of maximum sunspot development are marked by cold weather, while those of renewed development are remarkable for electric storms. We are now in a period of developing sun spots, and this would account for the mild weather we have had for the past several Winters. By the same rule we should have many electric storms during the coming

Ill astronomers, from Kepler to present day have been entirely sea regarding the exact nature the sunspots.

Some have conjectured them to holes in the sun's surface caused columnal explosions from the in-

been put forward regarding that they were places where the sunspots. This theory is sun's fires were failing. The latter that they are fragments of the hypothesis would explain why we experience cold weather on earth at

the time of maximum sunspots. This uncertainty regarding sunspots lends great interest to the new theory of their nature. It is put forward by Professor Turner, of the Royal Society of England, who furnishes abundant astronomical and mathematical arguments in support

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They present an extraordinary appearance to the astronomer view appearance to the astronomer view type. At such recurrent events, the Professor Turner suggests that a ically into violent collision with Saturn. At such recurrent events, the particles collide with the particles constituting Saturn's Rings (which are in themselves nothing more than a great meteoric swarm). In one part of the Rings, the fragments move with equal and opposite velocities, and collisions would impart rest in both opponents, and henceforth they must inevitably fail into the sun.

These fragments from Saturn's Rings appear to plunge headlong into the solar furnace at the rate of 400 miles a second, giving rise to the well-known phenomena of sun spots. Chinese and other records during the last 2,000 years substantiate this theory that, following a collision between Saturn and the meteoric swarm, there is manifested an epoch of large and numerous sunspots. Professor Turner adds that although the hypothesis is supported by past and present records, to consider it as finally established would be premature.

Under this theory three of the These fragments from Saturn's

N entirely new theory has terior, while others have argued most marvellous phenomena in the whole universe are brought into relation with one another. They are the sunspots, the swarm of shooting stars, called Leonids, and the ring

and moons of Saturn. The Leonids are a mass of meteorites with an orbit reaching 600,oco,000 miles into space, that approach the solar system, our earth, Saturn and the other planets, once in thirty-three years. It is then that the collision with Saturn's ring must take plage.

Saturn is surrounded by enormous fist, luminous rings, which form one of the greatest wonders of the heav-ens. The rings are about 175,000 miles in diameter, and the average estimate of their thickness is 75

An artist has depicted the amazing sight which Saturn would pre-sent when seen from one of its ten moons, Japetus. This moon is about the size of our earth's moon is about the size of our earth's moon, but it has the remarkable distinction of having an atmosphere. The variation of light and the formation of clouds have been observed on Japetus. Proctor and other astronomers have argued that it is probably the abode of living creatures.

What must be the consternation of these creatures when they see the rings of the parent planet Saturn suddenly checked by collision with the flight of the Leonids and then tern away to form colossal spots on the sun!

It is possible that the inhabitants of Japetus are water creatures better able to endure terrific disturbances in their atmosphere than air dwellers can be.

In any case, it is certain that the eyes of the inhabitants both of Saturn and Japetus must witness celestial spectacles infinitely more sublime and appalling than any that come within our futinats vision on

verse with Storm-**Producing Electricity**



One of the Vast Spots with Whirling Vortex, 50,000 Miles Wide, Now Appearing on the Sun.

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How Saturn and Its Rings Appear from One of Its Ten Moons, Japaius, Which May Contain Life.

moirs of Mendel Beilis Victim of Russian Persecution Writes His Own Story for The Bee Readers

Full of vodka and with their passions excited to the utmost they did not know what they were doing, and they seemed more like wild animals. Then all the a set of maniacs, steal all they could hurf planes to the street from the fifth

Their chief joy was when they found drink in a house. They would then could far my children, as I expected to drink themselves to a state of mad ferecity and then the real orgy would staters had sone to America, but I had commence. The most horrible tortures no money to do so, and it seemed to me

britally outraged. Often before they to live quietly. left her they would cut off her breasts and otherwise mutilate her and then shrick with delight.

Little girls were outraged to dozens, many before the eyes of their parents. death often coming as a swift release from their tortures. They drove name into the women's nostrils. They seized little children out of their mothers' arms

and tore them into pieces. Every act of this kind was accompanied by cries such as "Hurrah! Down with Jews! Students! Liberals," intersparsed with cries like those of wild

These orgies of slaughter and outrage centinued for three or four days. Potter in the streets made no attempt to interfere with the minbs or stop their work. in any way. They would stand and watch them enter a jeweler's shop, steal all they wanted and throw the rest into the stronts, and made not the least attempt to protect him. They would only see if there was anything left for themseives and laugh when they saw the man, half killed if not dead already.

thrown out into the street. Only on the fourth day, when even this such was satisfied with blood and had been outraged and thousands more murder of the boy Yuschinsky. lers homeless and penniless; when many children had been left orphans, and when eral days after it had happened. I had scarcely a Jewish family had not lost been very busy in the brick works and told me that Vera Cheberiak was going keep Christian holidays. one or more members, and when the I don't think I had set foot outside. Then around the town telling everyone that streets were actually running in blood- one day I heard one of the workman I murdered the boy. I did not know searching my house. only then did the word go forth and saying that this boy had been murdered, what to do. I was so much in fear of I have endured many sorrows and Then I ran and opened the door.

And ch! Those awful days afterward, was living. awaken in me the feelings of these times, used in the Easter Passover cake. In my case only my brother was burt, to me:

days lay hidden in a cold, dark cellar, all everyhody that Jowe killed the boy Yuward. We escaped lightly.

When this was over they left ur alone windows of a house were smashed, they for a time. However, it became harder children, who were his playmates, and would break open the doors, rush in like than ever to live in Kiev. Police demands during the row he threatened to tell the increased. The ordinary people became police about the gang of thieves of which more unkind to us, and life became more the woman Chelerink was the leader." of a burden. They did not do us bodily and sixth story windows and yell with harm, but in the streets members of the delight when they heard them smashed "Black Hundred" often spat upon us and to atoms below, not caring if anyone cursed us, and we were only safe from insuit indoors.

I had settled down to do the best I end my days in Kiev. One of my wife's would be inflicted on any Jew they that I must just go working always, and hoped that those coming after me would have a better time than I had. I did satisfy themselves they would begin on nothing that could bring me into conflict and then I noticed that a number of Any woman so unfortunate with the police, and I wanted nothing spies-members of the secret police-disas to fall into their hands would be more than to be left alone and be allowed guised as tramps, were beginning to pay

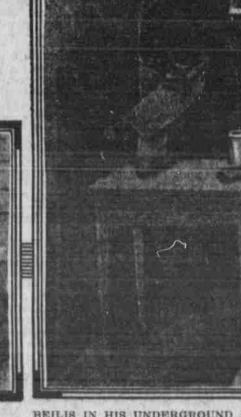
wife and two children, who for three spite of the fact that Vera is telling took pneumonia, and were ill long after- schinsky, he was actually killed in her house. I know that just before his death Yuschinsky quarreled with the Cheberiak

I was startled at this news. It was the first time that it really came home to me that Jews were being accused of murder. Looking back now, it is sad to recall that my friend. Zacharchenko, who became so ardent a supporter of mine, that it got on his brain, and he died before my trial. By his death I one of my best witnesses. He died with the words on his lips: Yuschinsky! Unfortunate Mendel!"

I heard nobting more for severa' weeks visits to my house and to question my



RIVETING SHACKLES ON BEILIS IN PRISON.



BEILIS IN HIS UNDERGROUND DUNGEON WAITING TRIAL.

myself together and tried to quiet thom.

Trembling, I looked up and saw eight

"Are you Mendel Bellia?" asked one

ground in a dead faint. They would not

"Yes." I noded.

let me comfort her.

"Then you are arrested.

I heard nothing of the murder until sev- tie."

The days when we collected and buried. After the burial of the boy, persons our dead. The days when nothing but present at the graveyard came back to harm. I just went on with my work as other troubles ecomed nothing at all. ing and immentations were heard. I the brick works and said that proclama- much. Then one day, the local procestall rever be able to forget them. Even tions had been distributed by the woman, cuting attorney, with five policemen. On that Thursday I had come home my two pears' imprisonment and my own Vera Cheberial, who stated that Jews paid me a visit. The prosecuting attor- from work after fininghing counting the servible suffering and torture did not had murdered the boy for his blood to be ney, looking at the door, said to me.

But yet I was one of the few who es- A few days later, the owner of Cheber- not? Then where is your 'Massua'? raised. I aften wonder what can be the lak's house, by name Zacharchenko, who (This is a tallsman that almost every fasilings in the hearts of other Jews, those was a member of the "Black Hundred," orthodox Jew has in his house). who lost father, mother, wife and child, called for me. I knew him well. He saig | was embarressed, and replied:

Then, like a bombebell, came the ter- children. When they did not get an- thodox Jew. I cannot afford to be or- Suddenly I heard a loud knocking at slanguist; when their human sacrifices rible tragedy of my life. I, of all per- swers they wanted they boxed the boys' thodox. I have children and a wife to the door. I was afraid and trembling complete; when duzens of women sons in the world, was arrested for the ears until they shrieked with pain, at keep, and am only a very poor work. My wife and chudren were even more

But I was not afraid. I had done no "You are a very orthodox Jaw, are you

am atrust that I am not a very or- to go to work again.

the same time shouting at them. "You man. At the brick works where I am frightened and began to cry. Never in employed nearly all the men are Chris- the twelve years we had lived in 130 Soon after this friends came to me and tlans, and because of this I can only house had we been aroused at hight in

They went away after thoroughly For the sake of the children I pulled

the police take steps to interfere and and the body found in the cellar of a the police that I was afraid to go to anxieties and have met with nothing but house about a mile away from where I them and ask them to stop her saying bad luck during my life. But never did men, policemen and gendarmes, in unimistortune fall so heavy upon me as on form, with long swords and revolvers. July 21, 1911. By the side of this my Before I could utter a word they seized about this murder. I know nothing of it

On that Thursday I had come home of them. bricks and sending them away. Hungry, as usual, but glad to get home, I sat talking with my family and wishing door, gave one shrick and fell to the that "they would live long.

At midnight, very tired, I fell asleep, knowing that at 3 o'clock I should have

She had no money-that I knew. I glanced at her. She was still lying on the floor in a faint. I went up to her and put the coin in her hand.

money I had was 75 kopecs.

your wife?" I was asked.

They would not let me kiss her or the children, or bid them farewell. I was him. dragged into the street, and under a went on foot to the police station.

When I had gone my rooms were alone. searched, but the only thing the police Later dinner was brought to my ceil, and my soldier's certificate.

nearly heartbroken, I could not waik very rapidly. A knock on my back from one of the soldiers brought me back to the terrible reality of my position. In a rough voice I was ordered to walk in the road, and not on the pavement. On the way I met a Christian who was employed at the brick works. He began to cry when he saw what had happened

"Don't lose courage, Mendel," I remember him saying, "we know you are inno- of my cell window, I saw poor little David cent, and will pray to God for you." in it. I touched one of the walls, it was the bell in my cell. cold and damp. A shiver ran through to the office of the chief of police. He But I had no confession to make. spoke to me very kindly, gave me a cup

"Come, Mendel, tell me what you know about this affair." Of course, I did not touch the tea. 1

together and answered; "I do not know why I have been arrested. It was then I learned, for the first

the boy Yuschinsky, and I called on God to witness my annocence At this he got into a very had temper.

learn not to lie. Tell me the truth, or you will be sorry." "Your Excellency," I replied, "I am in your hands. I shall not lie. You can do what you want with me. You can hang

me, kill me, send me to Siberia, but I will not tell a lie. I cannot tell you anything Disaponinted in his attempt to obtain a

led back to my cell and, to my horror, I taking their evidence. My wife, who had followed me to the heard the voice of my poor son David. shouting at the top of his voice, "Let me boys. He just glanced at her and said, home: let me go to my father!" "Won't you allow me to dress?" I I kicked at the door. I banged my head against the walls until the blood began

They gave me permission. While put- to flow. I went nearly mad in my desting on my clothes I noticed that all the peration. Soon after the chief of police came "Do you want to give the money to again to my cell. I became more terrified

than ever. "You see, Beilis," he said, "how your little boy lies. Vera Cheberiak's son says that your children and he were playing with Yuschinsky in the brick works, and your boy says this is not true. He is a big liar. That is why we have arrested

I could not reply to this lie. My only guard of soldlers with drawn swords, we answer was tears for my poor little son. was threatened again, and then left

found were Jewish books, my passport, but I could not touch it. I only implored the woman who brought it to do a favor My head was full of sperowful thoughts to a poor downtrodden father and give as I walked to the station, and I was the food to my boy, and tell him his father had sent it to him.

"Eat it yourself," was her reply, "Don't worry. The boy has had something to She must have been touched by my words, for she added, "Although I am a Christian, I swear I pity you. I am sorry for your poor little boy."

During the morning I had found in my pocket a twenty kopeck piece. I took it out and offered it to her. She refused to take it and went away crying. Next morning, looking through the bars

walking, handcuffed, up and down the It was quite two hours before we court yard of the station, and with pereached the police station. I was at once licemen on either side of him, carrying put into a dark cell without even a seat drawn swords. I began to cry and puil As it is always taken for granted that

I could not seep, and spent the the prisoner wants to confess, the chief night pacing up and down my ceit. I of police himself, accompanied by policechall never forget those hours. At last men, came to my cell to hear what I had the morning came, and I was summoned to say, and take it all down on paper.

"I implore you. I beg you, pity my of tea, and in a very gentle voice said poor unfortunate child," I cried to them. "Remember if he dies in this prison then his blood is upon your head. Do what you like to me, but I pray you to set him free."

The chief of police was very disapcried bitterly, until the floor became wet with my tears. At last I pulled myself pointed. He had quite expected my con-together and answered: my entreaties and went away laughing. About an hour and a half later I was overjoyed to hear that David had been set free. Perhaps the prayers of a father time, that I was suspected of murdering had touched the heart of the chief of police, and caused him to change his

mind. Next day I was heartbroken to see shouted: "You to Siberja, where you will both Pinka and David standing guarded in the court yard. The police had fetched

them again to make more inquiries. It was a terrible day. Heavy rain was beating down on their heads and I could hear the poor children crying: "Mother, They were kept there for

But the same woman who, the day before, had cheered me up, saw them and went to the governor, and told him it confession from me, he went but, s'am- was a pity to heep these poor children ming the door and swearing hard. I was the whole day without food and without

I could hear him weeping bitterly and friends, and had forgotten about the

(Continued on Page Eleven.) A