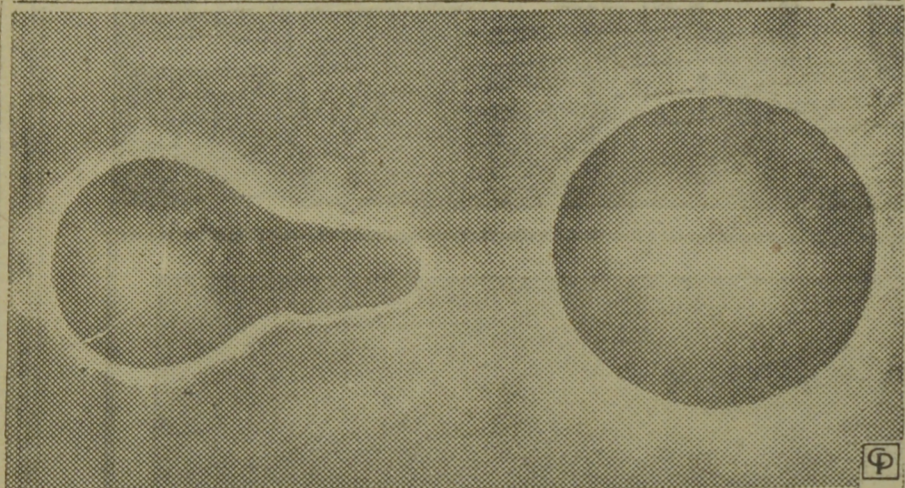


Solar System Is a Case Of Multiple Birth



Artist's conception of the birth of the planetary system, caused by the approach of a great star near the sun.

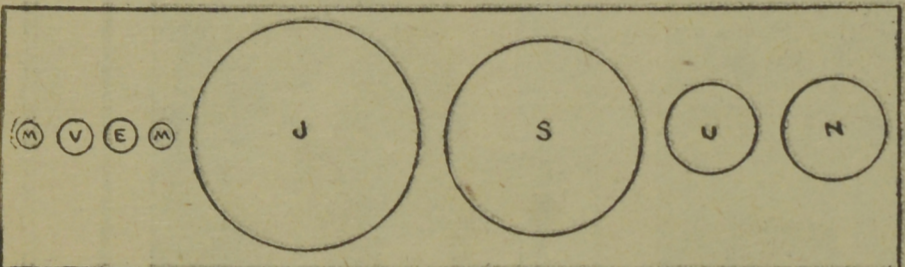


Diagram showing generally relative sizes of planets as they were drawn out from the sun by tidal action.

By RICHARD BAYLIS

Central Press Canadian Writer

Most scientists believe the moon was born, through the effect of tidal action by the huge body of the sun on the earth when the latter was in a more or less gaseous or liquid condition and at a time when its orbit was so irregular that it passed much closer to the sun than at present.

We have not gone into the tidal theory insofar as the birth of the earth itself is concerned. Scientists were pretty generally agreed that in some manner or other the earth and other planets were originally part of the sun, but no one was prepared to say definitely in what manner this material was torn out, or to advance any theory that would stand up against known scientific facts.

Jeans' Theory

Sir James Jeans, noted British physicist, was the first to elaborate on the theory of tidal action to explain the phenomenon and now his theory is pretty generally accepted by all men of science.

The tidal action theory as explained in the case of the earth and the moon, supposes that one body passes close enough to another to affect its force of gravitation to such an extent as to raise huge tides on the surface of the smaller of the two bodies. In the case of the birth of the moon, it supposed that the earth ventured close to the sun. So in attempting to determine the direct cause of the forming of the earth we must suppose that another body, larger than the sun, passed close enough to that body to pull

out sufficient material to form all the planets. Jeans declares that this body must have been another star, far larger, than the sun, which at one time wandered into this particular part of the heavens.

The Cigar-Shaped Mass

Now it has been calculated that the tidal effect of a larger star than the sun on the sun would result in a cigar shaped mass of matter pulled out from the sun sufficiently so that in the naturally thinning out portion near the sun this mass would break off and the various sections of the whole split up into whirling bodies of gaseous matter which would be the planets. Now consider the planets, as shown in the diagram, placed side by side in their regular order outward from the sun and roughly, they form a cigar-shaped mass, as the theory contends. The smaller planets come first, then the giant, Jupiter, at the "fat" section of the cigar, the whole mass tapering off with Neptune. Pluto, not shown, further bears out the theory of the fact that it is generally supposed to be smaller than Neptune.

This Woman Likes Gray Hair But She Gets A Permanent

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individual of your coloring. They are, however, almost wholly among the more subdued, the pastel and medium shades. You must be sure to avoid vivid, blatant hues, as they will clash with your own bright coloring. All reds and all purples that have reddish overtones particularly will prove most inharmonious. Black and smoke gray are especially flattering to an individual of your coloring. Also, rust that matches the color of your hair, capucine, cool greens, dull blues, pinkish beige, tannish browns and mat white should become you greatly.

"Dear Miss Glad:—I've been using a mixture of almond meal and oatmeal for cleansing my skin, and have found it most beneficial. However, I've been told that a grand face mask can also be made of almond meal. Can you tell me how this mask is made?"

"LOUISA."

The mask to which you refer is generally made of almond meal and milk. Stir a sufficient quantity of milk into half a cup of almond meal to form a thick, smooth paste. Cleanse your skin thoroughly, employing your usual cleansing method, and smooth a bit of nourishing cream around your eyes and mouth. Then apply

the paste generously to your face and neck, and allow it to dry. When it is thoroughly dry, remove the mask with tepid water and a soft cloth. If your skin is dry, it is advisable to apply a bit of cold cream to your face and neck after the mask is removed. If your skin is oily, however, such lubrication should not prove necessary.

The Railway Services in the Maritimes Must Be Improved

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times have been maintained at high levels and the services reduced to a minimum, so that the people have been compelled to resort to other forms of transportation.

Vast sums of public monies have been invested in right of way and equipment and the public should be given service for this money. For instance the Valley Section of the Canadian National in New Brunswick should be serving the rural districts through which it operates but instead of giving good service the train schedules have been cut so that other transportation services have had to be established. Practically no effort has been made to retain business, but when there has been a falling off that has been taken as an excuse to reduce the service.

The train service between Saint John and Halifax is driving people to the automobiles. Supposedly there are two trains a day between the two centres. One leaves Halifax at 8.00 o'clock in the morning and lands the business man in Saint John after business hours the same day. If the Maritime express is chosen, the schedule calls for it to leave Halifax shortly after 3.00 o'clock in the afternoon, to arrive in Moncton at 10.15 o'clock in the evening, to transfer passengers there to a sleeping car which remains in the railway yard until 4.00 a.m. before leaving for Saint John, which it reaches in about three hours. Thus it takes sixteen hours to travel 270 miles.

If the railways wish to retain what business they have and secure more they must give the public service that will warrant patronage. There is no doubt that many people prefer to travel in comfort in trains rather than use automobiles but under present conditions in the Maritime Provinces the railways are coming out on the small end and the fault lies wholly with the railways.

Personal Ambition Causes Expense To Municipalities

(Continued from Page 17)

-serving them if he sacrifices it to their opinion. No man should renounce his honest opinions in order to secure or retain office. He should be more than the mere mouthpiece of those who elect him. He should vote on all questions according to his convictions, and try to persuade them to think as he does. If he fails to convince them, he may forfeit his position, but has the satisfaction of knowing that he has been true to one of the fundamental principles of responsible government."

The bulletin then asks some pertinent questions based on the city's financial situation. Was the funding of the whole net cost of direct unemployment relief necessary, if other reductions had been made? What effect will the funding of net direct unemployment relief have on its total final cost, the efficiency of administration, the city's high traditions of sound financial administration established during the last decade and a half, the civic credit, and the cost of civic administration so far as this is affected by debt charges? What evidence would one gain from a study of Toronto's estimated current expenditures since 1929, that Canada (and Toronto) has been passing through a devastating depression which in a few years has reduced the national income, and therefore the incomes of taxpayers, by between 40 per cent. and 50 per cent.—Toronto Mail and Empire.

LIFE'S LIGHTER MOMENTS

NOT WORRIED



Weary Pete—Dere is one good ting 'bout our profesh.
Happy Tim—What's dat?
Weary Pete—We are never troubled 'bout havin' to look for a job.

DUE TO CIRCUMSTANCES

Jones usually sported a rather handsome gold watch, but owing to a temporary slight financial embarrassment he had been forced to pledge it at a pawnbroker's shop.

"Hallo, old chap!" said a friend one day. "What happened to your watch?"

Jones displayed a cheap nickel affair.

"Why, here it is," he said, hoping his friend would not notice the change.

"But that's not the one you usually carry," said his friend. "The other had a gold case."
"I know," said Jones sadly; "but, you see, circumstances alter cases."

REVENGE

A crowd had gathered around the poor man who had been bitten by the mad dog. A doctor was administering first aid.

Presently the patient sat up. "Doctor," he said in a hoarse whisper, "give me a piece of paper."

The doctor placed a kindly hand on the man's shoulder.

"Tut, tut, my good fellow!" he said. "You're all right; you needn't worry about making your will so soon."

"I don't want to make a will," said the victim, with a slight smile. "I want to make a list of the people I'm going to bite."

ALL GOOD POINTS



Mr. Porcupine is a wonderful fellow, isn't he?

You're right. He hasn't a single weak point.

AN INVITATION

The train, with its holiday passengers, was about to leave the station when smart young fellow thought he would air his sense of humor.

He walked up to a carriage, and said: "Is this Noah's Ark full up?"

"All but the ass," was the prompt reply. "Come right in."

DIFFICULT DECISION

The young man seated in the dentist's chair wore a marvelous striped shirt and an even more wonderful checked suit and a vivid red tie. He also wore the vacant stare that so often goes with both.

The dentist looked at him hopelessly, and turned to his assistant.

"I'm afraid to give him gas," he murmured.

"Why?" asked the assistant.
"Well," said the dentist, "how shall I know when he is unconscious?"

THE PAPER BOY

Many of the lads sell papers in the streets, and there are no keener salesmen. Seeing a parson approaching, one such lad shouted: "Speshul, sir? Shocking noos tonight, sir. 'Orrid death of a Dean."

"Bless my soul!" exclaimed the clergyman. "Whatever happened to him?"

"Fahnd dead in a tin, sir," said the boy enticingly.

"Which Dean was it, my boy?"

"Oh," came the answer, as the scamp scuttled off, "only a sardine, sir!"

COULDN'T BE PRINTED

A certain lecturer in Aberdeen told a reporter that he had a few more engagements in his city, and asked him not to publish anything of the lecture, as it might spoil the attendance at the other meetings. Next day he was horrified to read in the paper:

"Mr. — delivered an excellent lecture in the U.F.O. hall. He gave some very good stories, but, unfortunately, they couldn't be printed."

WHAT HE FELT



"You say the surgeon felt of your pulse and then recommended an operation?"

"No, not my pulse — my purse."

THE BOY WHO FAILED

The employer was interviewing an applicant for the office-boy's job.

"Surely," he said, "you are the boy I saw trying to climb into my orchard."

"Well, yes, sir; but I didn't really get in."

"Then you can go. I have no use for failures in my business."

A QUICK WORKER

Jones was spending his summer holiday at a small seaside fishing village. Returning to his boarding-house on the first day after a tour of the beauty spots, he got into conversation with a young fellow-boarder.

"Well," he said, "I have had my first look round and have at once been struck by the beauty of the place."

The young fellow looked a trifle dazed.

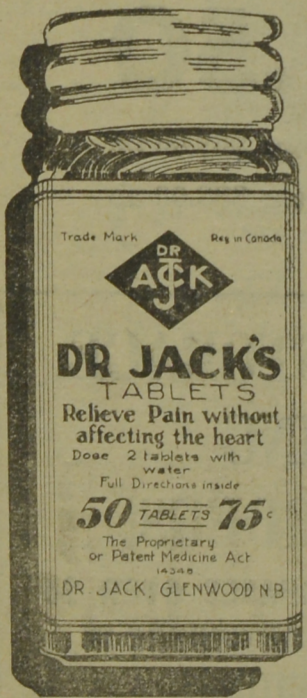
"Gosh, old chap," he said, "you're a quick worker. It took me three days to find her, and she handed me a terrific wallop, too."

WANTED ATTENTION



Did the mother of the bride cry at the wedding?

Yes, indeed. That was the only way she could attract attention to her new gown.



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