

Additional Classified on Opposite Page

MOTORCYCLES AND BICYCLES

MOTORCYCLE FOR SALE - 1918 model. Special built for saddle car. Well equipped. New. Two cylinder, three-speed. Call 323 Mulberry street, Steelton, Pa. Mrs. Bertha Kepner.

PUBLIC SALE

PUBLIC SALE OF HOUSEHOLD FURNITURE - The undersigned will sell in Earlington, Camp Hill, Pa., (well stops at sale) household furniture of John Lupton deceased, consisting of: room suits, iron beds, bureaus, sideboards, couches, stands, dining room chairs, tables, etc. Terms of sale, cash. Sale to commence promptly at 1 o'clock P. M., Tuesday, April 15, 1919, when terms will be made known.

LEGAL NOTICES

PUBLIC NOTICE - Notice is hereby given of the Intention of the City of Harrisburg to amend the Charter of the City of Harrisburg for the enactment of a local or special bill.

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MARKETS

NEW YORK STOCKS

Chandler Brothers and Company members of New York and Philadelphia Stock Exchanges - 3 North Market Square, Harrisburg; 326 Chestnut street, Philadelphia; 34 Pine street, New York - furnish the following quotations: Open Noon

Table of stock prices including American Sugar, Am. Car and Foundry, etc.

Table of stock prices including American Steel, Am. Smelting, etc.

Table of stock prices including Am. Smelting, Am. Steel, etc.

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Gyroscopes and Gravity

BY GARRETT P. SERVISS

Mr. Richard Delany, of Chicago, says: "I would like to have you explain an explanation of the gyroscope. My contention is that it neutralizes attraction and repulsion. Not one agrees with me, but I make the bold assertion that there is no such thing as gravity."

The gyroscope happens to afford some light on the subject, but I make the bold assertion that there is no such thing as gravity. Gravity must be either a pull or a push, and the tendency of thinkers on the subject has always been to regard it as a push, but nobody knows just how the pushing is done. The results, however, are unquestionable.

The so-called law of gravitation is based upon the observed effects of some force which we confine our attention to what goes on among our immediate surroundings, is found to be directed toward the center of the earth. This pull or push, which force or attracts all objects toward the earth's center is called gravity.

To show how the gyroscope affords evidence of the continuing existence of gravity, even when it seems to "neutralize" the attraction, it is only necessary to consider the behavior of an ordinary toy gyroscope when its axis is turned around. If you rest one end of the long axle running through the center of the spinning wheel on a support, the wheel will be endowed with a magic power to suspend itself in the air. It holds its axle horizontal, although the outer end of that axle has no support, and it carries its own weight as if the earth had ceased to attract it. But mark that it does not stand fast. It circles around the point of suspension on which one end of the axle rests.

This circling around, or "precession," is proof that gravity is still acting upon the wheel. But instead of forcing the wheel to fall toward the ground, it merely causes it to circle around. If you prevent the wheel from moving it will immediately fall. Gravity has been neutralized or deflected, but its apparent line of action is still directed toward the center of the earth.

It is impossible to give here even an elementary mathematical analysis of the precessional movement of a gyroscope, or of any body that is spinning rapidly around a fixed axis, but some of the effects are familiar to every boy old enough to spin a top, for a top is a simple form of gyroscope and a bicycle is another. On this subject, as interesting as it is clear, is Prof. John Perry's "Spinning Tops." Prof. Perry was one of those who first attacked the theory of the earth's center has been recognized from time immemorial. Newton did not discover it, he only made a mathematical statement of the way it acts.

Galileo did not discover it, he only experimented with it more intelligently than had been done before. There are many ways to overcome gravity but none to neutralize it. In fact, make it inert, but it still rises against gravity. It does not neutralize gravity, it simply overcomes its downward force by means of a superior upward force, but gravity continues to act on the balloon all the time. Even if a projectile were shot away from the earth with sufficient velocity to free it from the control of gravity, it would have to fall back, gravity would not be neutralized.

A curious example of the operation of two opposite forces, one of which is gravity, is the larger sense employed when dealing with attractive bodies outside the earth, gravitation is furnished by the effect of the sun and planets. Light, upon extremely minute particles of matter near the sun, by the pressure of the light waves, although they never actually touch, is held back from the attraction of gravitation. But gravitation acting upon the entire mass of a particle diminishes in the same proportion as the cube of the diameter of the particle, while light pressure acting solely on the surface diminishes only as the square of the diameter.

Hence it follows that while gravitation may control a comparatively large body, as the body gets smaller the effect of gravitation lessens faster than that of light pressure, so that eventually the latter may overcome so small that the control passes from gravitation to light-pressure, and then the particle flies away from the gravitational center, which is at the same time the center of emanation of the light.

It is believed that the formation of comets' tails is explainable in this way. But in no case does one of the forces neutralize the other. Both continue to act, and the body acted upon moves in the direction impressed by the greater force, with a velocity determined by the algebraic difference between the forces.

EIGHTY PER CENT OF FOREIGN BIRTH - Eighty per cent, an astounding proportion, of the population of Monessen, Pa., is of foreign birth. Every country on the globe appears to be represented in Monessen.

STEELTON.

Firemen's Memorial Service Well Attended

The High School auditorium was well filled yesterday afternoon when the annual memorial service of the firemen was held. On the back of the stage were hung the service flags of the several companies. They showed more than a hundred stars with six gold ones among them. About two hundred firemen of the local department marched into the auditorium in a body, one or two companies appeared in uniform.

The Rev. Robert Bagnell, the only other speaker of the day, spoke of his recollections of the old Philadelphia firemen. The memorial service was opened by the Rev. Robert Bagnell, the only other speaker of the day, spoke of his recollections of the old Philadelphia firemen. The memorial service was opened by the Rev. Robert Bagnell, the only other speaker of the day, spoke of his recollections of the old Philadelphia firemen.

A feature of the service was the music by the Steelton Band, who with well-timed and splendidly rendered selections held the audience spell bound. The service was opened with prayer by the Rev. J. E. Strine and closed with benediction by the Rev. F. A. B. Strine.

Those of the firemen who died in military service are: Harry E. Dengler, Lawrence Chambers, Charles Hoerner, Roscoe Zeigler, and Wolford Dry.

Charles E. Keim Dies Suddenly of Pneumonia - Charles E. Keim, a life-long resident of Steelton, prominent in civic matters and for many years a prominent businessman, died at his home in South Second street, yesterday afternoon. He was 64 years old. He was prominent in firemen circles and at the time of his death was president of the city of Duluth, Minn. He was elected to the borough council and was a member of the police committee.

He leaves his wife, one daughter, Beulah, and one son, Elmer, who was recently released from service in the navy at the Seattle Naval Hospital. Funeral services will be held on Thursday afternoon at the residence at 1:30 and at 2 o'clock in the Church of God. Burial will be made in the Oberlin Cemetery.

CHURCH NOTES - Special services mark the observance of Holy Week in all of the local churches. In the Lutheran Church, the church half communion will be celebrated every morning at 8 o'clock. In the Methodist Church, the church will observe the services on Friday and Saturday. Evening prayer service at 7:45, and litany on Wednesday, 7:45, and Thursday, 7:45.

At many of the meetings the children of both foreign born and native born have formed the center of interest and provided the program, together with film entertainment and addresses in Finnish and English. The executive secretary of the Americanization committee of Duluth finds for information.

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GERMAN AUSTRIANS TO MAINTAIN ORDER, MINISTER IS WARNED

Food Supplies Will Be Stopped Immediately and Entirely Unless Allies Have Undisturbed Communication with Friendly and Allied States, Dr. Bauer Is Told

By Associated Press. Vienna, April 14.—The British military representative here has notified Dr. Otto Bauer, foreign minister of German-Austria, that the British government had authorized him to declare that if disorders occurred in German-Austria, imports of food and raw materials, and other supplies would be stopped immediately and entirely.

Reason for Stop - Dr. Bauer was told that the reason for this was that it was important that the Allies should have undisturbed communications through German-Austria with France and the allied states. Spartans Are Repulsed - On Saturday night and Sunday morning government troops attacked Spartans forces entrenched in the Oterbik quarter in the south-eastern section of Dusseldorf and after a violent bombardment with machine guns the Spartans were repulsed. The majority of the Spartans fled toward Eiler and the troops are no longer encountering serious resistance.

Nuremberg, April 14.—A report from Third Army headquarters at Nuremberg says the German government has established a military dictatorship in support of Hoffman ministry, which the Communist centers are making a great success of its Americanization work. There are various reasons for this: Duluth has a superintendent of public works, Dr. K. J. Holm, who is thoroughly alive to the urgent need of making Americans of alien elements and has loyally co-operated with the Bureau of Naturalization in its campaign for the education of the foreign born. Duluth also has a body of public-spirited citizens which, organized into the Americanization committee of Duluth, has rendered enthusiastic and consistent service. Moreover, the community center has been utilized as a vehicle for Americanization work more intensively and more methodically in Duluth than has been done in many cities.

The report of the executive secretary of the Americanization committee of Duluth, Mr. Albert B. Clarfield, for the month of January shows 17 community center meetings. These neighborhood gatherings called both natives born and foreign born Americans; the speakers are drawn from all races; and the value of the meetings in promoting the civic spirit, stimulating patriotism, and the sense of the duties of citizenship has been proved. In one case the community meeting of 150 was composed entirely of foreigners, and the addresses were in English, in Greek, Italian, Slovenian, Magyar, C. E. Macneil and Mr. A. B. Clarfield, secretary of the Americanization committee, spoke in English; Rev. Father Pinnot and Mr. Movern addressed the meeting in Slovenian; Mr. James Camaras in Greek; Mrs. Boggio in Italian. Following the addresses the audience was entertained with a musical program. The speakers were: Mrs. Snyder, of the local Gary-New Duluth-committee, acted as chairman.

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Aftermath of the War - Constantinople, April 14.—Kemal Bey, governor of Diarbekir, has publicly hanged in Bayazid square in Staboul, in the presence of the military governor of Constantinople and other high officials, Kemel Bey was sentenced to death as one of those responsible for the Armenian deportations and massacres in the Yozghad district. The former commander of the gendarmerie in Yozghad was sentenced to fifteen years' imprisonment in the fortress.

Reorganized City Grays to Hold First Drill - The first drill of the reorganized City Grays with rifles will take place at the armory, Second and Forster streets, this evening. The rifles will be issued and lockers will be assigned prior to the drill. Uniforms will also be issued to those members who have not yet received them. It is expected the veterans of the City Grays will make a fine appearance in the Memorial Day parade this year.

For Sale - 261 Cumberland St. 3-story brick house, 9 rooms and bath with all improvements. In very good condition. Heat, hot and cold water on third floor. 20 ft. rear drive alley. A portion of the property is now sub-let at \$40 per month. The selling price is \$4500. Miller Brothers & Co. Insurance Real Estate Surety Bonds Locust and Court Streets Members Hbg. Real Estate Board

Home Office Philadelphia - A plan that means saving and service for you. Write for Information. Harrisburg Branch, Patriot Bldg. A. L. Hall, Manager.

RECIPROCAL AUTOMOBILE INSURANCE - Atlantic Petroleum - Present Earnings Market Position Future Possibilities

First Quality Tires AT PRICE OF SECONDS SENT ON APPROVAL - No money in advance. Sent C. O. D. subject to your examination. First quality, 4000 mile tires. McGRAW ADVANCE PULLMAN LIBERTY CONGRESS BATAVIA IMPERIAL CAPITOL

Building Permits Issued For Seven New Houses - Building permits were issued to-day for the erection of seven new houses, a two-story brick and concrete garage and remodeling a three-story brick building.

Deaths and Funerals - JACOB BURGANSFOCK - Funeral services for Jacob Burgansfock, aged 65 years, who died Saturday morning at his home near New Cumberland, will be held tomorrow morning at 9:30 o'clock. The Rev. Mr. McCoy of New Cumberland will officiate. The body will be taken to Carlisle for burial by Hoover and Son.

MRS. DELLA M. SHELLY - The death of Mrs. Della M. Shelly, wife of Irvin B. Shelly occurred at her residence, 228 North Second street, Sunday. Funeral services will be held Wednesday afternoon at 1:30 o'clock at the Hoover and Son funeral parlors. The Rev. Edw. A. H. Yoder, pastor of the Fourth Street Church of God will officiate. Burial will be made in the Harrisburg Cemetery. The body may be viewed to-day at the funeral parlors.

MRS. MARGARET LANHAM - Funeral services for Mrs. Margaret Elizabeth Lanham, aged 28 years, of Parkersburg, W. Va., wife of Edward E. Lanham and sister of Samuel Crane, well-known Harrisburg baseball player, will be held at the home of her mother, Mrs. J. M. Crane, 1847 Park street, Tuesday evening, April 15, at 8 o'clock. The Rev. E. A. Hagen, pastor of the Park Street United Evangelical church and the Rev. Edw. A. Pyles, pastor of the Fifth Street Methodist Church, will officiate. The body will be taken to Parkersburg, W. Va., Wednesday by Hoover and Son, where burial will be made, Mrs. Lanham died yesterday.

THOMAS W. BREACH - Thomas W. Breach, aged 35 years, died this morning at his home, 3224 North Sixth street. Funeral services will be held Thursday afternoon at 1:30 o'clock. The Rev. J. Owen Jones, pastor of the Sixth Street U. B. church will officiate. "The Brotherhood of Railroad Trainmen will conduct the service. Burial will be made in the Heckton Cemetery. Mr. Breach was a yard brakeman. He is survived by his wife, Chana and two children: Marion, Frances, Evelyn, Wilbert, and his father, Raymond Breach, two brothers and two sisters.

Sees Great Hopes For Trade in China - New York, April 14.—W. C. Lane, vice-president of the Guaranty Trust Company, who is also vice-president of the Asia Banking Corporation, has just returned from China, where he has been organizing branches for the Asia Banking Corporation. He said yesterday that if the ocean tonnage problem were solved the United States should be able to obtain the bulk of the vast Chinese trade formerly monopolized by Germany. "America," said Mr. Lane, "is a word to conjure with in China. The Chinese think there is no other country like ours."