

THE RICHMOND PALLADIUM AND SUN-TELEGRAM

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The Moon and the Crops

It has not been so very long ago, and, in fact, the notion still prevails among many farmers that the moon affects the growth of crops and that seeds ought not be planted unless the moon were in a certain position.

The Department of Agriculture in a recent bulletin discusses this question. The conclusion of the government scientists is that the moon has no more influence on crops than it has upon temperature or the amount of rain or any other weather element. They assert dogmatically that the growth of plants depend upon soil, temperature, light and moisture.

That the moon cannot affect soil and the composition of the atmosphere is readily seen, leaving only the element of light to be considered. Experiments were made to see if the moon could affect this, and the conclusion reached was that it is a waste of time to think about "the

moon in connection with the planting of crops. The moon has nothing more to do with this than it has to do with the building of fences, the time of killing hogs, or any other of the innumerable things over which it was once supposed to exert a strong influence."

Free Band Concerts at Glen Miller

Only the small sum of \$250.00 stands between free band concerts at Glen Miller park this season or the disruption of the concert band, the traction company, the chautauqua organization and the man holding the refreshments concession at the park have donated their share.

Public band concerts at Glen Miller park have been enjoyed by thousands in past seasons. The appearance of the band always attracted large and appreciative crowds. The concerts afforded a pleasant place of amusement and recreation for hundreds who otherwise would have been compelled to spend the Sunday afternoon at their homes.

If band concerts are abandoned this year, it means that hundreds of persons who cannot afford to hear good music will be deprived of the privilege of hearing the best talent the city has. These concerts also will enable the band to maintain its organization. Its members practice each Monday in the year, and by being paid for their appearance at these concerts the members receive a little remuneration for their work.

The holding of band concerts merits support. This is a matter which the Commercial club ought not let drop, but boost at once. A plan to raise the necessary money ought be presented by the club.

Measuring Depths of Space

BY HENRY MORRIS RUSSELL
Professor of Astronomy, Princeton University.

One of the most conspicuous movements at the moment among American astronomers is a great increase in activity in the measurement of the distances of the stars. Ten years ago, only two observatories, with relatively modest equipment, were working at this problem. Now it occupies two-thirds of the time of the great Yerkes telescope, and about as large a part of that of half the other large telescopes in the country. The distances of perhaps two hundred of the nearer stars have already been measured with more or less accuracy. At the present rate, the number will be raised to a thousand within a decade.

What does the astronomer mean by the "nearer" stars? The answer emphasizes, as nothing else can, the appalling emptiness of the ocean of space which surrounds us. If we should attempt to make a map—rather a model—of the positions of the nearer stars, on such a scale that the earth was one inch from the sun, the sun would be represented by a small grain of sand, 1.110 of an inch in diameter, while the earth would be a hundred times smaller, and hardly bigger than a microbe. The stars too would appear as grains of sand, some as small as the sun, some larger, and a few as big as good-sized shot; and they would be scattered, through utterly empty space, so sparsely that the distance from any one to its nearest neighbors would average about five miles. To describe such vast distances we need a new unit of measurement, and a convenient one is the distance which light, advancing steadily at the rate of 186,000 miles every second, traverses in a year. Such a "light-year" is almost exactly represented by one mile on the scale of our model.

Stars within thirty light-years of the sun are now regarded as our very near neighbors. Greater distances, up to a hundred light-years or so, can be measured with tolerable accuracy by direct observation. But the

majority even of the brighter stars are certainly far beyond this limit. We can estimate their average distance by means of their apparent "drift" across the heavens, which arises from the actual motion of our system in the opposite direction, and it is found that almost half of the stars visible to the naked eye are more than 100 light-years distant, while the majority of the telescopic stars of the tenth magnitude are over a thousand light-years from us, and some of them are three or four times as remote. There is clear evidence that at these great distances the stars are more thinly sown in space, being two or three times as far apart as in the region near the sun.

To sound the depths of space still further, yet another method is being employed. Certain stars which vary in brightness, owing to eclipses by fainter attendants, and others whose light undergoes regular variations of short period, have been sufficiently studied to make it possible to estimate fairly well their real brightness, which in some instances is hundreds of times that of the sun. By comparing this with their apparent brightness in the sky, their distances may be derived. Studies by Hertzsprung of Potsdam and by the writer agree in showing that, in the plane of the Milky Way, the stars extend in all directions to a distance of at least eight or ten thousand light-years, unless indeed space is imperfectly transparent, and the faintness of these remote stars does not arise from their distance alone. At right angles to this plane, toward the regions of the sky which seem to us to be much poorer in stars, things

are otherwise. The stars seem to thin out considerably at 500 light-years, and none are found more than 1600 light-years from the central plane, which passes about 100 light-years south of the sun.

We may therefore conceive of our stellar system as a vast flattened layer of stars, with no sharp boundaries, but some two or three thousand light-years thick, and fifteen thousand or more in diameter, for in this direction no investigation seems yet to have reached its limit. Beyond lies empty space, peopled perhaps by other systems remote from our own. Indeed, Hertzsprung estimates that the smaller Magellanic Cloud, an isolated patch of star-dust in the southern heavens, is at a distance of thirty thousand light-years. Possibly other remote galaxies may be visible to us among the still mysterious spiral nebulae. The great star-cloud of which our sun is an inconspicuous member would be visible, if space is clear, as a conspicuous nebula, to eyes like ours, a million light-years away. But there is no one who dares say as yet that anything visible in our heavens is so far away, or even ten times less remote.

A Sluggish Liver Needs Attention.
Let your liver get torpid and you are in for a spell of misery. Everybody gets an attack now and then. Thousands of people keep their livers active and healthy by using Dr. King's New Life Pills. Fine for the Stomach, too. Stop the Dizziness, Constipation, Bileousness and Indigestion. Clear the blood. Only 25c at your Druggist.—adv.

Service For Soldiers



The Right Rev. Arthur F. Winnington-Ingram, Bishop of London, has just returned after holding a series of religious services near the line of battle in Flanders. He said: "The most touching service to myself was early on Easter Day when, after Holy Communion to 200 officers and men within a mile of the German lines in a schoolroom, the roof of which had been taken off by a shell, I was told at the end that 150 more men and officers from other regiments were outside asking for their Easter Communion. Of course, I at once held a further service."

The Futurist Apostle at Home



STEREOTYPE MACHINE FOR HIGH SCHOOL

Principal Pickell of the high school and Superintendent Giles of the city schools probably will ask an appropriation from the board of education at the next meeting of the members to defray the cost of buying bindery and stereotyping machines to install in the printing department of the high school. Both officials favor these additional machines for study by the students and have been discussing the advisability of installing them.

HEARS SMALLEST SUIT

The smallest suit ever brought into circuit court in the recollection of local court attaches, came to trial Monday when Edna Ralston, colored, pressed a justice of the peace case against Alfred Underhill. She says Underhill forged a receipt for \$8 following a disagreement regarding the price she was to receive for cleaning vaults. Mrs. Ralston demands \$8 for the work and \$10 damages. The case has been through two justice of peace courts. The jury hearing the case was composed of John Elliott, Edward Beeson, Isaac Newby, James Martin, Nelson Weaver, Daniel Lashley, Harry R. Critchfield, Benjamin Thomas, Edward Deitemeyer, Carl F. Bertsch, George A. Moller and William C. Rich.

SESSION CONVENES.

The session of the First Presbyterian church held its regular meeting last night and conducted its usual business. A full membership of nine was presented. Nothing of importance was done at the meeting.

PAY MOTHERS HONOR

MILTON, Ind., May 11.—Mother's Day was observed at each of the Sunday schools. At the Methodist the following was the program: "My Mother," Miss Miram Perkins; Vocal solo, "Rock Me To Sleep, Mother," J. A. Brown with piano accompaniment by Mrs. Brown. The ushers provided white flowers.

At the Christian church there was a vocal solo by Harry Doty, a duet, Mildred Case and Laura Bothwell, readings by Dean Manlove and Charles Clifton. At the Friends church, selections on the subject of Mother were given by Mrs. W. W. Jeffries, W. H. Jeffries, Mrs. Edw. McConley and the Rev. Mr. Jerge.

CENTERVILLE

Tribute was paid to the Mothers Sunday when 128 persons attended the special services at the Christian Sunday-school. The program was arranged by the superintendent, Mrs. Ada Darnell.

Mrs. S. Mull spent Saturday with Mrs. Betty Haworth.

The Friends Monthly meeting was held at the home of Mr. and Mrs. William Dwyer.

Rev. Mr. Pfeiffer and his wife motored to Jay county the first of the week for a visit with his son.

Mrs. C. A. Langley and daughter will arrive from St. Petersburg, Fla., Thursday, May 20.

Mr. and Mrs. Henderson, North Fourth street, entertained his mother and Mr. and Mrs. Jesse Henderson Sunday.

Several stitches were required to close the wound caused by a window which fell across Miss Rilla Bertsch's hand.

Best Thing for a Bilious Attack.
"On account of my confinement in the printing office I have for years been a chronic sufferer from indigestion and liver trouble. A few weeks ago I had an attack that was so severe that I was not able to go to the case for two days. Failing to get any relief from any other treatment, I took three of Chamberlain's Tablets and the next day I felt like a new man," writes H. C. Bailey, Editor Carolina News, Chapin, S. C. Obtainable everywhere.—adv.

CAMBRIDGE CITY

Edward Newman has gone to Terre Haute to enter the State normal.

Mrs. and Mrs. G. W. Martz, Mrs. Horace Hamilton, Mrs. John Groves and daughter, Eleanor, Mrs. Roy R. Klingman, Mrs. Albert Polk and Mrs. Floyd Ammon were in Richmond Saturday.

Mr. and Mrs. B. Smith of Dublin were the guests of Mr. and Mrs. A. H. Wiseman, Sunday.

Mr. and Mrs. Caleb Lester have returned after a few days spent with their grandchildren, Mr. and Mrs. W. D. Williams of New Castle.

Mrs. J. R. Hunt of Muncie was the guest of her sister, Mrs. W. Benton Wilson recently.

Joseph Storch and family have returned to New Castle after visiting Henry Storch and daughter Beatrice.

Visits With Sister.
Theodore Dronberger of Anderson spent Saturday and Sunday with his sister, Mrs. Charles Eichler.

Mrs. Roy Copeland, Mrs. F. J. Harvey, Mrs. J. W. Harper and Mrs. George Babcock were in Richmond Saturday.

Mrs. W. A. Pruitt and her brother, Omar Taylor of Dublin attended the Dalton township Sunday school institute.

Mr. and Mrs. F. F. Romer and daughter Mary entertained Sunday. Mr. and Mrs. J. C. Kreusch, Mr. and Mrs. J. M. Washburn, Mr. and Mrs. N. J. Pilger and son Robert and Mrs. T. M. Norton of Anderson.

Mr. and Mrs. Omar Manlove and children and their guest, Mrs. Jason Jones, motored to Muncie Sunday and spent the day with relatives.

Mrs. Mary Favorite of Hagerstown and Mr. and Mrs. Charles Rudicek were guests of Mr. and Mrs. Albert Kelsey Sunday.

Mr. and Mrs. Oliver Beeson of Milton, Mrs. Charles Kniese and daughter, Pauline, Miss Margaret Scudder and Mrs. Frank McDaniels motored to Richmond Saturday.

Russian demand for American cotton is almost nothing.



Futurist or post-impressionist furniture is being taken up abroad as a holiday season fad, and these pictures serve to show to what extremes the faddists are going.

In the top picture, for instance, you see the kind of cushions that every perfectly good post-impressionist should have in his or her home.

You can smuggle back on a lounge with an angular horse neighing from a futurist cushion

under your right ear, with some impossible posies glaring from another richly embroidered cushion at your feet.

Or, if your nerves are strong enough, you can surround yourself with pictures similar to those shown in the bottom picture.

During this season thousands of futurist furniture freaks are being sold by London dealers for presents. As they say in England, the people there are "quite

mad" about the new fad and the supply barely exceeds the demand.

Already some dealers over here are beginning to introduce the "futurist furniture" in a small way, but the idea has not "caught on" as yet.

Perhaps Americans are too nervous a race to be able to withstand the shock of walking into a room of distortions after a hard day's work.

NAMED ON COMMITTEE

Rev. L. E. Murray of Richmond, was chosen as one of the members of the executive committee at the seventy-sixth annual convention of the Christian churches of Indiana which opened yesterday in the Christian church of Marion.

The officers of the State Ministerial association who were elected are as follows: President, Rev. C. W. H. Newlin, Noblesville; secretary-treasurer, Rev. Rollin A. Bennett, Marion.

Rev. Motley of this city is also attending the meeting.

NEW PARIS

Miss Yvonne Miller and Oliver Shellenbarger of West Manchester motored here Sunday and were guests of

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Dr. Hunt's New Penetration Method Loosens Them Root and All. FULL SIZE BOX 10c.

No corn ever went so easily, quickly or surely as by Dr. Hunt's new way—the penetration principle of permanently curing corns. Dr. Hunt has devoted a life of study to this one subject. The final result is this entirely different method—a method by which corns GO forever in two short days.

Dr. Hunt's New Corn Cure comes in a simple plaster form. Six plasters in a box. Cut plaster size of corn and apply it. Doesn't "bulk" like clumsy pads. Contains no caustic to smart or cause blood-poisoning. No painful necessary. Wear any shoes. Ease comes the moment you apply this new remedy. You walk in comfort. You forget your feet. In two days corn lifts out.

Nothing like Dr. Hunt's New Corn Cure has been known before. It is an entirely new principle. Millions of packages have already been sold. Cures any corn. They must go.

And the price is only ten cents a box. Guaranteed or money back. That's very little to pay for foot comfort. Sold by druggists and shoe dealers everywhere. Cure your corns once and for all, this new way. If any difficulty in securing, send 10 cents in stamps for a box, to American Chemical Company, Sidney, Ohio.

Mr. and Mrs. W. A. Fudge and daughter, Mrs. Marie.

Rev. E. J. Vance returned home Saturday from a two weeks' visit with relatives in New Market, Tenn.

John Harriman and daughter, Miss Katherine spent Monday in Dayton.

Dr. and Mrs. W. H. Swisher and

family of Dayton motored here Saturday.

Miss Mary Porterfield who has been visiting at Economy, Ind., returned home Saturday.

Mr. and Mrs. R. E. Melody and son, Eugene, spent Sunday with Mr. and Mrs. Esta House near Eaton.

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Sent-a-nel Laxatives are purely vegetable, not a bit of calomel in them. You need not fear any unpleasant after-effects from them, for they do their work quietly and easily, though very effectively. Have your druggist send you a box. It's true, they are low priced (10 doses 10 cents), but they get results!

Take them regularly for a few days, and note how much better you feel. If you are not satisfied with the result, mail us the empty box; we'll refund your money. Physician's sample package free upon request if you mention this advertisement. The Sent-a-nel Remedies Co. (Inc.), 594 Union Central Bldg., Cincinnati, O.

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