

STARLIGHT HEAT SPECTRUM

Scientist of Smithsonian Institution Explains How It May Be Determined.

By measuring a hundred millionth degree of temperature and a trillionth of an ampere of electric current, Dr. C. G. Abbot of the Smithsonian Institution has determined for the first time the heat spectrum of starlight, as he announced in an address at the Carnegie Institution of Washington.

Working with the 100-inch telescope at Mount Wilson observatory this fall, Doctor Abbot measured the heat at different parts of the spectrum of ten stars and the sun. The rays were dispersed by a spectroscopic in a band similar to the rainbow.

The bright star Capella, which is very similar to our own sun in its spectrum, was found to furnish the equivalent of one horsepower to an area on the earth approximately equal to the state of Minnesota. But this prominent star is feeble compared with our sun, which is equal to a hundred billion Capellas and sends down on twenty square feet heat equal to a horsepower. On the whole earth Capella's heat equals 500 horsepower, and as all the stars together equal 500 Capellas, this would amount to one-quarter million horsepower over the whole earth from the stars alone.

Scottish Estates Being Sold.

Enormous estates in Scotland are going under the hammer, due in many cases to the taxes that have followed the war. As many as 310 square miles of forests, grouse moors and farms, with salmon and trout fishing, whole rivers and lochs, islands and mountains, and comfortable houses are offered for sale at the present time, including a large part of the Caledonian forest. Yacht anchorages and sea fishing are plentiful.

The briefest statement of the game bags on some of the properties, and of the average takes of trout and salmon, brings into strong relief the fact that, like Scott's "Finnan had dock," the sporting thus indicated "has a relish of a very peculiar and delicate flavor," inimitable elsewhere.

Christian Church

Bible School every Lord's Day at 10 a. m.; Preaching 11 a. m. A cordial invitation is extended to all.

E. F. Atchley, pastor.

Ray Havens returned Monday from Portland where he has been working for some time.

A Possible Combination

A lecturer at Walla Walla, Washington, stated the other day that a war is imminent between all Soviet Russia, two hundred and fifty million Mohammedans, three million educated Hindoos and four hundred million Chinese on the one hand and the Christian nations on the

Read the Ads in the NEWS.

First Show Starts at 7:00

GEM THEATRE

GO WHERE THE GOES GO!

TO-NIGHT

Gladys Walton

IN

"The Trouper"

QUEENIE

The Wonder Horse, in

"HORSE SENSE"

Saturday and Sunday

Richard Barthelmess

IN

'Tolable Davis'

Chosen as one of the three finest dramas for 1922

Scenes taken far from civilization, in the Mts. of Virginia

—COMEDY—

NEELY EDWARDS

IN

"The House of a Thousand Trembles"

Music at all Shows
L. V. CLEWORTH, Manager.

other. This is the reason, he declares, why the British are so patient with the Turks, for they dread this coming upheaval. He did not mention Japan, but it may be safely predicted that that nation would not remain neutral if the war should come. On which side would she align herself? In view of our anti Japanese legislation it is worth thinking about.

NOTICE OF SPECIAL ELECTION

Notice is hereby given that a special election will be held in the City of Estacada, Oregon, at Regular City Hall in said City on the 27th day of February, 1923, at which election there will be submitted to the legal voters of said City for their adoption or rejection the charter amendment proposed in the following resolution, to wit:

RESOLUTION.

BE IT RESOLVED by the Council of the City of Estacada, Clackamas County, Oregon, that the following proposed amendments to the charter of said City be and the same hereby are proposed for submission to the legal voters of said City for their adoption or rejection at the special city election to be held on the 27th day of February, 1923, as in this resolution provided, to wit:

AN ACT

To amend an act entitled "An act to incorporate the City of Estacada, in the County of Clackamas, State of Oregon", filed in the office of the Secretary of State January 31, 1905, as amended by the legal voters of said City at the special election held therein on August 21, 1920, and to amend all acts subsequently enacted by the Legislative Assembly or by vote of the people,

BE IT ENACTED by the People of the City of Estacada that an act entitled "An act to incorporate the City of Estacada, in the County of Clackamas, State of Oregon", filed in the office of the Secretary of State January 31, 1905, as amended by the legal voters of said City at the special election held therein on August 21, 1920, and as amended by all acts subsequently enacted by the Legislative Assembly or by vote of the people, be and the same is hereby amended by adding thereto Section 44 to read as follows:

SECTION 44.

Subdivision 1. For the purpose of procuring funds for street improvement purposes in and for the City of Estacada, Clackamas County, Oregon, the Council of said City is hereby authorized and empowered to issue and dispose of general obligation bonds of said City in the sum of not to exceed \$4,000.00, said bonds to be in denominations of \$500 or \$1,000 each, to be dated at a convenient time to be fixed by the Council and to mature at such time or times as the Council at the time of providing for their issue may determine, but not to exceed twenty years from date of issue, said bonds to be signed by the Mayor and countersigned by the Recorder under the corporate seal of the City, and to have attached thereto semi-annual interest coupons bearing the engraved facsimile signatures of the Mayor and Recorder, whereby the City shall be held in substance and effect to undertake and promise to pay to the bearer of each of said bonds at maturity thereof the sum therein named in gold coin of the United States of the present standard of value with interest thereon in like gold coin at the rate of six per cent (6%) per annum, payable semi-annually, each of said bonds to be a direct general obligation of the City of Estacada, and to be known as "City of Estacada Street Improvement Bonds", the principal of and the interest on said bonds to be payable at the Fiscal Agency of the State of Oregon in New York City.

Subdivision 2. The debt limitations contained in the charter of said City shall not apply to the bonds hereby authorized.

Subdivision 3. The Council shall each year at the time of making the annual tax levy for City purposes include in such levy a sum sufficient to pay interest due on the outstanding bonds of this issue and to retire the principal thereof at maturity.

RESOLVED FURTHER that this resolution for proposed charter amendments submitted to the voters by the Council be filed with the Recorder of the City of Estacada for submission to the legal voters of said City for their rejection or approval to be voted upon at a special election to be held as herein provided:

RESOLVED FURTHER that the Council deems it advisable and does hereby and herein call and make necessary provision for the holding of a special election which shall be and hereby is called to be held on the 27th day of February, 1923, between the legal voting hours on said date, and that said time be and the same hereby is designated as the time for holding said special election, and the City Hall in said City is hereby designated as the polling place therefor, and the following named persons are hereby designated and appointed as and for the judges and clerks of said election, to wit: Judges, John Page, G. R. Ellis, F. J. Harkender; Clerks, Fred Bartholomew, Gerald Wilcox.

RESOLVED FURTHER that for the hereinabove proposed charter amendments, the following ballot title be and the same hereby is adopted, to wit:

CHARTER AMENDMENTS SUBMITTED TO THE VOTERS BY THE COUNCIL

An Act
To amend an act entitled "An act to incorporate the City of Estacada, in the County of Clackamas, State of Oregon", filed in the office of the Secretary of State January 31, 1905, as amended by the legal voters of said City August 21, 1920 by adding thereto Section 44 providing for the issue and sale of \$4,000.00 bonds for street improvement purposes and providing a tax levy to pay principal and interest thereon.

100—Yes
101—No
BE IT FURTHER RESOLVED, that the Recorder be and he is hereby instructed to publish the hereinabove proposed charter amendments sub-

Horse Sense

Let Your Money Work for You

Buy a few shares of our 7 per cent Prior Preference Stock and your money will earn you Over 7 per cent.

DIVIDENDS ARE PAYABLE EVERY THREE MONTHS

This is a good, sound investment and our Easy Payment Plan enables you to get 7% interest on your savings while you are paying for your shares.

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PORTLAND RAILWAY, LIGHT & POWER Company.

Room 605 Electric Bldg., Portland, Oregon.

* Confectionery, Phonographs,
* R. G. MARCHBANK,
* LIGHT LUNCHES,
* ESTACADA, OREGON.
* Cigars and Tobacco, International Clothes,

BE COMFORTABLE

The riding qualities of the STAR are unusual in the small car class. Let us show you this and numerous other features of this car.

COMPLETE BATTERY SERVICE, GEN'L REPAIRS

BACON GARAGE

Estacada, Oregon.

Gas Oil Tires Accessories

mitted to the voters by the Council in the manner provided by law; that is to say, by publication of this resolution in full for two consecutive publications within the twenty (20) days immediately preceding said special election in Eastern Clackamas News, same being a newspaper published in the City of Estacada and hereby designated for said purpose.

Passed by the Council on this the 13th day of February, 1923, by the following vote:
YEAS: Lovelace, Morgan, Morton, Osborne, Wilcox.
NAYS:
Submitted to the Mayor February 13th, 1923.
Approved by the Mayor February 14th, 1923.
GEORGE E. LAWRENCE,
Mayor.

Attest:
J. K. ELY,
Recorder.

WANT AND FOR SALE ADS.

TELEPHONE your order to Darrow for pure milk and cream. 12-14tf

FOR SALE—Laying hens, S. C. R. I. Reds, one year old, \$1.50 also a fine cockerel not related to the hens, \$3.00. Mrs. Moxley, Morrow Station. 2-15

FOR SALE—Turkey hen. Inquire of Mrs. J. R. Hughes, 2-8-15 Currinsville, Ore.

PLAIN SEWING—Dressmaking and hemstitching, see Mrs. Gus Wilcox. 2-8tf

FOR SALE CHEAP—One 1923 Ford Touring car, in A1 condition. See—Ben Dodson 2-8-15 Estacada, Ore.

WOOD CUTTERS WANTED—Steady work. Will buy stumpage on finance cutting propositions. Boring Wood and coal Co. 9-14tf 476 E. 50th st. Portland.

S. C. RHODE ISLAND RED Hatching Eggs for sale—Large healthy breed, good layers, mature early. \$1 per setting of 15. MRS. J. W. MOXLEY, 1-4-2 22tf Morrow Station, Ore.

FOR SALE—Pure White Leghorn cockerels, heavy laying strain, all come from trap nests. G. Rehbein, Boring, Or., Rt. 4, Bx. 71, residence Eagle Creek. 2-1-8-15

FOR SALE—Saddle horse, excellent packer, not broke to work in harness. J. E. GIRT, Boring, Ore., Rt. 4, Box 82. 2-9tf

THE ESTACADA FEED STORE

Has received the invoice of another car of **BULK CORN**
The price is the same as before
\$40.00 per ton on the car.

Place your orders now and bring your sacks.

We have **STOCK MOLASSES** in bulk

A complete line of **GROCERIES, FLOUR & FEEDS**

U. S. MORGAN, Proprietor.

Fordson

You Will Want Your Fordson Tractor Early

Everything points to the greatest shortage of Ford products this year that has ever existed.

Never before has the demand been so great.

You will want a Fordson Tractor early—here is one product you cannot wait for—when the weather opens up you will need it.

You will want it for plowing, seeding, cultivating—and all your other work. Already it has proved the greatest help to profitable farming that has ever been offered to you. And at \$395 f. o. b. Detroit, the price is so low that you lose money every day you are without a Fordson. To get delivery you must order early.

There are no reserve stocks among our dealers—our production capacity, great as it is, will not enable us to build up a reserve.

It must be a case of "first come, first served," and the only way in which you can protect yourself is to list your order with a Ford Dealer immediately.

By taking advantage of our dealer's first opportunity to make delivery, you will be assured of having your Fordson when you need it.

Ford Motor Company
Detroit Michigan.

\$484.60 f. o. b. ESTACADA, ORE.

CRAWFORD BROS. MOTOR CO.

GAS ACCESSORIES OILS
ESTACADA, OREGON.

FOR SALE—Two dozen white S. C. Leghorn laying hens—Will sell reasonable. W. K. Corbin, Rt. 1, Estacada, Ore.

FOR SALE—Two-years-old Italian prune trees, 15c each. J. J. MARCHBANK, Estacada, Ore. 1-25tf

FOR SALE—A one cow cream separator in good condition, for \$12.50. W. R. Jones, Rt. 1, Estacada, Ore. 2-8-15

FOR SALE—New and used drag-saws, gas engines, feed cutters, ensilage cutters, potato diggers; a Beaver drag-saw special with clutch and 6-foot blade, \$110.00—terms. Hessel's Farm Machinery Co. 10-12tf Gresham, Oregon.

WANTED—To hear from some 4th class postmaster of small office, who is about to retire from the service. Address Box 151, Cedarvale, New Mexico. 2-22

—FOR—
Real Estate, Insurance, Long Term Farm Loans at a low rate of interest
Mortgage Loans, Rents and Collections.
WOODLE REALTY CO.
Estacada, Oregon
They Get Results.

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WM. DALE, Local Agent
Day call at Estacada Hotel.
Night call at residence.
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J. E. METZGER
Gresham, Ore.. Phone 1901

LOOK FOR THIS ON THE GENUINE IMPLEMENTS

WHAT DO YOU WANT?

HERE ARE A FEW OF THE THINGS WE STOCK:

Paints, Oils, Varnishes, Kalsomine, Mattresses and Bed Springs; Enamel ware and Tinware; Horse Collars Pads, Harness Snaps and Leather; Axes, Saws, Tools, Forks and Shovels; Hinges in straps, butts and ornamental; Bolts, Screwdrivers; Pipes and Fittings. I. H. C. Implements and repair.

Vaughan Dragsaws and repairs

SMITH HARDWARE STORE, ESTACADA

The only Hardware Store in Clackamas county selling goods at Portland prices