

ASTRONOMICAL OBSERVATIONS

By Levi G. Johnson

Astronomers as well as other enthusiasts have been eagerly looking forward to the coming of the wonderful planet Mars, with its strange red splendor, into the midnight sky of June, 1922. More public interest has in recent years been concentrated on the planet Mars than on any other. Its resemblance to our Earth in distance from Sun, seasons and climate, length of night and day, atmosphere, its supposed oceans and canals, white capped (snow covered) poles, etc., have all tended to interest us in its possible inhabitants, any certain proofs of which has not, and very likely will never be seen. I will, however, leave the subject of habitation with a passing remark that life in its varying forms resembling that on our world may exist on Mars, and will not even dispute the view of Mr. Marconi that the wireless "signals" which during the summer of 1921, he has noted coming in with enormously long electric waves, have their origin far outside the Earth and may be inspired by personages on the planet Mars, who are testing this planet of ours to see whether it is inhabited by beings intelligent enough to respond to a call from space. While Mr. Marconi holding to Mars as the most probable source of the signals, admitted that they might possibly come from Venus, while Garrett P. Serviss, a conservative astronomer, commenting on the subject, reversed this view saying that they (the signals) might probably come from Venus, though they might possibly come from Mars, basing his theory on calculations of the positions and varying distances between Mars, Venus and the Earth, and their situation with regard to the Sun.

Mars is a globe of 4,215 1/2 miles in diameter, rotates on its axis in 24 hours 37 minutes. Makes its revolution around the Sun in 687 days. Its oppositions occur at intervals of two years and one or two months. Its mean distance from the Sun is 141,546,678 miles and its orbital speed is nearly 15 miles per second. The eccentricity of its orbit is .0933332, or about 5 1/2 times that of the Earth's, being the nearest planet outside the Earth: its distance from the Earth varies more than any other planet, being an average of 234 million miles when on the other side of the Sun, and 48 million when in opposition, but on account of its eccentric orbit may be as far away as 267 million and as near as 35 1/2 million miles. Its effect upon the apparent brightness is of course very great.

Mars will be in opposition to the Sun on June 10, 8 A. M. and will consequently cross the meridian at midnight. Rising in the southeast at 8:35 beaming like a red signal lantern, several times brighter than a first magnitude star, its position in the zodiac being such that its altitude at meridian transit is less than 10 degrees above our horizon, which is 2 1/2 degrees lower than the Sun at Christmas. Its position in the sky is between the constellations Scorpio and Sagittarius in the region of the Milky Way. Mars has for some time been the nearest of all the planets. Its position in its orbit at present is such that it is approaching the Sun while the Earth is receding from it; the combined effect is such that Mars will be approaching us for some time after its opposition point. The time of nearest approach being June 18, 5 P. M.; it will then be 42,364,000 miles, while Venus the next nearest will be at this time 128 million miles. The next opposition, in August, 1924, will be a much closer opposition, Mars being near perihelion and at a higher altitude, affording an advantage for observations. Mars possesses two miniature moons revolving with great rapidity and at close range; they being called Deimos and Phobos; their distances are 15,000 and 6,000 miles and time of revolution 30 hours 10 minutes and 7 hours and 39 minutes respectively. The surface gravity of Mars is 0.36 of the Earth's, an ordinary man would weigh about 60 lbs.

Table for Week June 11-17 (Standard time)

	Sun	Sun in	Sun	Moon
	Rises	Mer.	Sets	Rises
Sunday	4:26	12:26	8:26	9:53
Monday	4:26	12:27	8:27	10:31
Tuesday	4:25	12:27	8:28	11:05
Wednesday	4:25	12:27	8:28	11:34
Thursday	4:25	12:27	8:29	Morn
Friday	4:25	12:27	8:30	0:01
Saturday	4:25	12:28	8:30	0:26

Moon in apogee Friday. Moon in last quarter Saturday. Venus sets Sunday 10:37. Jupiter sets Sunday at 1:10.

WEST VALLEY

Mrs. Fardahl, of Karlstad, commenced parochial school in Dist. 130 last week.

Mr. and Mrs. O. Rindal and daughter, of Oaklee, Minn., visited at P. A. Hanson's last week.

The Red River Mission will hold a two day meeting in the Norwegian Lutheran church of West Valley Tuesday and Wednesday, May 13 and 14, commencing at 10:30 A. M. Free lunch will be served by the congregation.

Dr. L. Rokke, of Grand Forks, visited with home folks on Decoration Day and helped decorate the graves of the loved ones passed away.

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The Ladies' Aid of the Norwegian Lutheran Church will be entertained by Mrs. N. O. Strandquist Sunday, May 18. All are welcome.

Miss Myrtle Hanson returned from Thief River Falls Saturday morning, where she graduated the previous evening.

A. Rokke teaches in Dist. 52 parochial school.

Mr. and Mrs. W. M. Hanson visited at G. Thun Sunday last.

Mr. and Mrs. E. O. Rokke and children visited at Middle River Sunday last.

Mrs. Ole Hjelle is busy at his duty nowadays.

Where Your Taxes Go

How Uncle Sam Spends Your Money in Conducting Your Business

By EDWARD G. LOWRY

Author "Washington Close-Ups," "Banks and Financial Systems," etc. Contributor Political and Economic Articles to Leading Periodicals and a Writer of Recognized Authority on the National Government's Business Methods.

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XXIV.

VIEW OF THE EMPLOYEE

The obvious solution of the government's employment problem is the standardization and readjustment of salaries. To be scientific, such readjustment must rest upon a careful reclassification of the service. Conditions are very different now, both in regard to the functions of offices and the cost of living, from what they were when positions in the government service were first classified and salaries assigned to those positions.

It struck me that an interested party in this inquiry into how the government conducts its business was the employee himself. He ought to know from actual daily experience something about the mechanism of the national business and the relations between the working force and employer.

It was clearly impossible to talk to the more than 500,000 men and women who work for the government, but I learned that between 50,000 and 60,000 of them are banded together in an association called the National Federation of Federal Employees. It is a regular labor union, and is affiliated with the American Federation of Labor. It includes all classes of government workers, technical and scientific men, as well as clerks and unskilled workers.

I asked the president of this employees' union, Luther C. Steward, if he and his associates were authorized to speak for all its membership. He assured me that they were.

So I asked him to tell me about the conditions of government employment and how the business was carried on.

I am glad I did, for what he told me discloses not only facts, but a state of mind existing among the employees which necessarily must be taken into account in any consideration of the efficiency and management of our common business. Here then is what the employees, who speak through Mr. Steward, have to say, and the constructive program they present for the improvement of the service:

The civil service on its human side consists of about 500,000 men and women engaged in the operation of an antiquated patched-up machine. Because of the durability of its vital parts and the faith and ability of the mass of the operatives the machine still functions. But the parts are ill-fitted, and many of them are defective. The managers and superintendents of the establishment, being too often chosen for political reasons, are frequently, inexperienced, and the operating system is clumsy and disjointed.

The employees are recruited under a law which provides a test of qualifications, and probably nine-tenths of the rank and file have satisfactorily passed the entrance test. But the better positions, say from \$3,000 upward, are usually occupied by political appointees. Another considerable group of employees get their appointments by executive order, waiving civil-service tests of fitness.

The newcomer in the service, therefore, finds himself up against a minimum of opportunity for promotion, with the disheartening knowledge that the advancement which is earned by competence is all too likely to be given to the friend or political supporter of some congressman or executive who wishes to pay a political debt. And the employee is subject to dismissal at the will of the executive of his department, unless he can bring sufficient political influence to bear.

In other words, the civil-service law is not backed up by enforcing power in the Civil Service commission. It merely recruits the applicants for entrance. Thereafter the employee's fate is largely a matter of his own luck and negative passive merit. There is no system by which he may be fitted to the job, and no protection against dismissal, unless the employee himself can show that the reason is political or religious. "For the good of the service," as the law reads, covers every other charge which the executive official may bring. There is no court of appeal.

Such is the oppressive, incentiveless, vitiating atmosphere of the government service. It stifles initiative, frustrates ambitions and reduces the mass of employees to a more or less passive state, which is permeated by a sense of fear.

In such an atmosphere, naturally enough, the physical conditions of employment are far from what they should be, and the government loses efficiency, as does any other employer where the wage scale is inadequate and unstandardized, where sanitary conditions are bad and hours of work too long and irregular.

The wage scale is so low that the Civil Service commission has difficulty in securing properly qualified applicants, and throughout the service the turnover is high. Employees doing the same kind of work often receive widely different rates of pay; experienced workers often receive less than beginners, and virtually every kind of inequality and injustice exists.

RADIUM NEWS

RADIUM COMMUNITY IN COUNTY PLAY DAY

A week from today is County play day. A great number of people are planning on going from this community to cheer for the boys and girls and to help the Radium section win the prizes. This will be the first time we have entered into the county fete and we have unusually good timber. The following pupils will represent Radium division: Albert Knutson, Dist. 4; George Linbeck, Dist. 12; Myrtle Torvi, Dist. 4; Ted Skonovd, Dist. 57; Miss Lounina Poirier, Dist. 132 teacher. The following will also be present to act as substitutes in the event any of the above are unable to carry their part: Alice Potucek, Dist. 132; Irma Laidley, Dist. 131; Lucy Horter, Dist. 4; Evelyn Hegstrom, Dist. 162; Obin Knutson, Dist. 4, and Ethel Loeslie, Dist. 4.

ANGUS-RADIUM BALL GAME

Sunday afternoon an interesting game of ball took place between Radium and Angus. It was the first game for both teams and while many errors occurred in wearing the rust off, the game was interesting because the scores kept quite even. A tenth inning was necessary to decide the game which was won by Angus by the final scores in the tenth inning. Scores as follows:

Angus ----- 2 7 0 2 1 0 1 1 4-18
Radium ----- 8 0 0 3 0 1 0 1 1 2-16

Batteries for Angus, Miller, Zimmerman and Nelson; for Radium, Christy, Hill and Sommers. Struckout by Miller 1, by Zimmerman 13. Hits off Miller 3, off Zimmerman 12; Struckout by Christy 6, off Hill none. Hits off Christy 14, off Hill none. Home run by J. Zimmerman for Angus. Umpire Chas. Sommers.

Mr. Lund, manager of the Radium team, is trying to line up some interesting games for Radium.

SUNDAY SCHOOL NEWS

Services are held each Sunday at 2 P. M. Let us all be present to start promptly as possible. Mr. and Mrs. Pierce attended a convention at Grand Forks Sunday but will meet their classes Sunday. They hope to have a banner attendance. Bring your visitors along.

Mary Clausen, Dorothy Clausen, Helen Metheny, Jessie Cook, Linn Cook, Chester Essig, Dorothy Clausen and Fern Gilmore have all promised to give the second commandment word perfection. We wish someone would surprise us by giving them all.

We have just received a large print copy of the Lord's Prayer and the Ten Commandments. Lesson leaflets have also come so that each one can have the lesson sheet to refer to in class.

The pictures will be ordered next Monday so be prepared to order before that time if you wish one.

Everybody welcome to the Sunday school hour at 2 P. M.

PARCEL SHOWER FOR MISS BAESMAN

Fifty women and girl friends of Miss Clara Baesman assembled at the home of Fred Baesman in honor of Miss Clara Baesman. Miss Baesman was presented with a shower of most useful and beautiful gifts—given as a token of good wishes to the young lady.

MAXINE LOT PASSES AWAY

The little eight year old daughter of Mrs. Lot, well known in Radium community, died a week ago Wednesday from diphtheria. The little girl was ill only a few days. Radium community friends extend sympathy to Mrs. Lot in her sorrow.

Little Joe and Chas. Pierce are still progressing nicely.

Little Elenora Herrick, of Warren, was in Radium with friends Monday afternoon.

Mr. and Mrs. Chas. Wittman and family, Gust and Clara Baesman called at the Arthur Baesman home Sunday evening.

KNUTSON & HOLSON City Fuel Office

All kinds of Wood and Coal. Teaming in Connection. Phone No. 63



THE RING THAT SYMBOLIZES A PROMISE

The betrothal ring requires much more care in selection than any other jewelry gift you will ever buy.

Perhaps mere man never can fully realize the great store the young girls sets by the ring which symbolizes her marriage promise.

We have had the privilege of aiding many people in the selection of this most important gift.

Our diamond collections are well worth inspection, and we invite you to come in and see them at any time that suits your convenience.

D. FARRELL

P. J. Turlund and son Carl were Warren visitors Tuesday afternoon.

Sommers and Sons were busy shearing their big flock of sheep.

Mr. and Mrs. Wm. Allen were in Warren Tuesday afternoon.

Mrs. J. J. Torvi and children left to join Mr. Torvi on the farm near Crookston. Best wishes of friends go with them.

Miss Bessie Sedlacek is expecting to leave in a few days for Bemidji where she will attend summer school at the teachers college.

Gravel hauling will commence Monday in Comstock township.

John Emanuelson made a business trip to Middle River Monday.

We are proud to have the following young people in our community graduate, Harry Sedlacek graduated from the Warren High School; Agnes Skonovd, Laura Hill and Laura Laidley, from Warren normal training course, and Arthur Monroe from business course at the North Star College.

Miss Bessie Yurgens returned from Warren last Wednesday, where she had spent two weeks with friends.

The Sedlacek family and Mr. and Mrs. Goodroad and daughter, of Warren, enjoyed a picnic at the Old Mill Sunday.

The following called at Dean's Sunday evening: Mr. and Mrs. A. G. Otto and family, Bertha Anderson, the Baesman young people, Mr. and Mrs. Walter Loeslie, Gust Bodell, John and Clarence Loeslie.

Mrs. Fred Lenhart will entertain the Lutheran Ladies Aid Sunday afternoon, June 11. You and your friends are invited. Come!

Mr. and Mrs. P. J. Bauer and son Jodie were Thief River Falls visitors Sunday before last.

Chris Clausen and Albert Stroble were Crookston visitors Tuesday.

Alfred Eckman has purchased a new car.

Dorothy Clausen entertained several of her friends last Thursday afternoon in honor of her birthday.

Albert Baesman left for Yale, S. Dak., Thursday where he will be employed for the summer.

A dollar and a half invested in a year's subscription to the Sheaf will save you many times that amount if you watch the advertisements closely.

A Swedish Mission camp meeting will be held at the home of Mrs. P. Fagerstrom June 14 and 15. Everybody is invited to come and worship. John and Clarence Loeslie, Albert Knutson and Wm. Yurgens made a trip to Middle River Sunday.

R. C. Mathwig was a business caller in Radium Monday.

Mr. and Mrs. J. O. Allen were Warren visitors Tuesday evening.

Mr. and Mrs. J. H. Pierce were Grand Forks visitors Sunday.



E. L. SKALMAN

Funeral director and licensed embalmer. Auto hearse in connection. Phone No. 106-J, Warren, Minn.

The Women's Club will meet with Mrs. Chas. Potucek tomorrow afternoon (Thursday). All members are urged to bring a guest along.

Mrs. Joe McGregor entertained a large crowd in behalf of the Swedish Mission Ladies' Aid at her home Thursday afternoon. Devotional services were also held.

Mrs. Engelstad and family visited her daughter, Mrs. Clausen, of Radium, Monday afternoon to get acquainted with the new "little prize fighter" at the Clausen home.

Mr. George Matti began his duties in the Cheese factory Tuesday morning. The supply of milk will undoubtedly be good during the coming

month and the more milk the farmers can bring the greater their returns will be.

NOTICE OF BIDS

The town board of Comstock will meet at the following places Saturday, June 10, 1922, to receive bids on scraper work and cement filling in and repairing of bridges: Road between 5 and 6 in strip at 10 A. M. Road between 33 and 34 at 1 P. M. Bridge on N. E. Corner Sec. 34 at 2 P. M. Bridge on N. E. Corner Sec. 33 at 3 P. M. Bridge on N. E. corner Sec. 32 at 4 P. M.

Any or all bids may be rejected. Marinda Kramer, Clerk.

Perspiration and Inspiration

One of the healthiest signs of the times is the realization by most people that they must WORK. When a nation or an individual gets down to this fundamental principle of progress, prosperity will come as surely as one sunrise follows another, and BEFORE schedule time.

If you work hard and Save nothing what have you?

Maybe when you read this article, you have an INSPIRATION TO SAVE. Don't kill it! Put it into action IMMEDIATELY—nothing safer and nothing better.

WORK and SAVE.

The Farmers State Bank of Radium

When you want—

GOOD HARDWARE
GOOD PAINT
GOOD FENCING
GOOD FARM TOOLS
GOOD GARDEN TOOLS

buy them at

J. R. THOMAS

Kellogg's Corn Flakes, Kellogg's Bran, Kellogg's Krumbles Can be purchased at



"Say, fellows, look at the big chief! Says he can't break away till he finishes his Kellogg's Corn Flakes! Guess he knows good things, aw' right!"

Mighty appetizing to open the day with Kellogg's Corn Flakes

Those big, sunny-brown "sweet-hearts-of-the-corn" just seem to get things going right, from the littlest "star boarder" to the eldest! For, Kellogg's Corn Flakes hit-the-spot as no other cereal ever could; and they are a continuous taste-thrill!

Tempting in their appearance, wonderful in supreme flavor and crunchy and crispy to the very last degree, Kellogg's Corn Flakes are really and truly a revelation in good things to eat—for breakfast, for any meal and for between-times nibbles!

How all your folks will delight to get Kellogg's; how they'll appreciate Kellogg's crispness. For, Kellogg's are never tough or leathery or hard to eat! You'll see big and little bowls come back for "some more Kellogg's, Mother, please!"

When you order Kellogg's today—insist upon getting KELLOGG'S—the delicious Corn Flakes in the RED and GREEN package! It bears the signature of W. K. Kellogg, originator of Corn Flakes. NONE ARE GENUINE WITHOUT IT!



Kellogg's CORN FLAKES

Also makers of KELLOGG'S KRUMBLES and KELLOGG'S BRAN, cooked and krumbled