

SOUTHERN PACIFIC TIME TABLE

NORTH BOUND TRAINS	
Leave Newberg	Arrive Portland
No. 356, 6:05 a. m.	7:45 a. m.
No. 354, 9:55 a. m.	11:20 a. m.
No. 353, 1:15 p. m.	2:45 p. m.
No. 352, 4:05 p. m.	5:35 p. m.
No. 350, 7:04 p. m.	8:30 p. m.
No. 342, 12:50 a. m.	2:05 a. m.

SOUTH BOUND TRAINS	
Leave Portland	Arrive Newberg
No. 351, 7:35 a. m.	9:00 a. m.
No. 355, 10:05 a. m.	11:32 a. m.
No. 359, 1:00 p. m.	2:30 p. m.
No. 353, 4:05 p. m.	5:35 p. m.
No. 357, 5:35 p. m.	6:55 p. m.
No. 361, 11:25 p. m.	12:45 a. m.

Portland-Newberg Motor Bus Schedule Effective August 15, 1919
Subject to change without notice.

Leave Portland	Leave Newberg
4th and Alder	Imperial Hotel
8:30 A. M.	8:00 A. M.
9:30 A. M.	10:00 A. M.
11:00 A. M.	12:00 A. M.
1:00 P. M.	1:00 P. M.
2:30 P. M.	2:45 P. M.
4:15 P. M.	4:00 P. M.
5:30 P. M.	6:30 P. M.
6:30 P. M.	

Sat. and Sun. only Sat. and Sun. only
11:00 P. M. 8:00 P. M.
Reservations for Theatre Parties,
etc., or for Special Trips call
Portland Phone.....Main 3514
Newberg Phone.....Black 120

THE HIGH SCHOOL
AGRICULTURE NOTES

Before state laws provided for inspection and control of the commercial fertilizer industry, the conditions prevailing were about as bad as those in the patent-medicine field before the law took matters in hand. Honest dealers were glad (and always will be) to have official inspection to free them from dishonest competition, and show the general public that some fertilizer dealers are on the square.

The public is still suspicious however, and it has reason to be even yet perhaps, although fertilizer-control laws give the buyer a good degree of protection. The main trouble is that the dealers are not required to give analyses clearly, confining themselves to essentials. Also, dealers are not required to give sources of the three essential plant foods. Some fertilizers are not worth near what is paid for them; and because of lack of knowledge primarily on the part of the purchaser, combinations are bought that are not suited to either their crops or soil conditions.

The law has done its part as regards protection work, far better than most buyers. Too many select a fertilizer by brand name. Again many of us cannot tell just what the analysis on the bag does mean, anyway. The composition is what counts, regardless of all else. The grower is after nitrogen, phosphoric acid, and potash, and all he wants to know is the number of pounds he is getting, its availability, and its price per pound.

All would be benefited if the law forced the manufacturer to leave out unnecessary detail in the statement of analysis placed on the fertilizer bag. It confuses the buyer and misleads him as to actual values; and to be frank, it is felt that much of the printing is deliberately done to mislead.

Let us inspect a typical analysis formula as often found on the fertilizer bag:

Lines	Analysis	Per cent
1. Nitrogen		0.82 to 1.00
2. Equal to ammonia		1.00 to 2.00
3. Soluble phosphoric acid		6.00 to 7.00
4. Reverted		2.00 to 3.00
5. Available		8.00 to 10.00
6. Insoluble		1.00 to 2.00
7. Total		9.00 to 12.00
8. Potash (actual)		1.00 to 2.00
9. Equal to sulphate of potash		2.00 to 3.00

(Lines shown at left to make inspection easier.)
A company only guarantees the minimum in an analysis, so the column of figures at the far right means nothing except to make things look "big" to you.

The second line is a needless repetition as we, as buyers are not concerned with the amount of ammonia to which the nitrogen is equal.

The fifth line is the sum of the third and fourth, as the available is the total of the soluble and reverted. Want of printers ink!

The sixth giving the insoluble (unavailable) phosphoric acid is worthless information, as we have no good from the knowledge, but want to know only what is available, which the fifth line gave us.

Line seven gives the sum of the available and insoluble which you can see, means nothing, and is entirely superfluous.

The ninth line is merely a restatement of line number eight.



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Years ago I discovered how to extract and fix teeth without hurting, and was so successful that people called me "Painless" Parker. My practice has grown until I now have

twenty-eight offices, and all my associates in these offices have been taught how to practice painless dentistry as well as I can do it myself. We have fixed up the teeth of over a million people, and call our way of practicing "the E. R. Parker System." If your teeth are bothering you, and you want them put in good shape without hurting and without paying a fancy price, come to our nearest office, which you will find located at



326 WASHINGTON ST., PORTLAND, OREGON

Send it to the Laundry
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The best and cheapest method of having your family washing done is to send it to the laundry.

AT FREE METHODIST CHURCH
DISTRICT QUARTERLY MEET.

To sum up, the whole nine apparently wonderful (certainly complex) lines amount to the following guarantee and no more:

Nitrogen		0.82
Available phosphoric acid		8.00
Potash		1.00

It is cheap, low grade fertilizer, formula and 82-8-1, equal to but 16 pounds nitrogen, 160 pounds phosphoric acid, and 20 pounds potash to the ton.

Compare with a recommended top dressing for strawberries on clay or clay loam, namely, 6-8-0. Nitrogen sadly lacking, and potash that is not needed!

OLIVER F. KILHAM,
Director Agriculture Department,
Newberg High school.

NO BABIES

As a young couple were going home from a wedding reception at McMinnville, the young man remarked: "Wasn't it annoying the way that baby cried during the ceremony?"

"It was simply dreadful, and when I got married I will have engraved in the corner of the invitations: 'No babies expected,'" said the indignant young lady.

Beginning Thursday evening of this week and continuing over Sunday, the District Meeting for the Salem District, will be held.

There will be a general representation from the various circuits in the district and the Quarterly Conference will convene Saturday at 10:00 a. m.

District Elder W. T. Klatsback will be in charge of the meeting throughout, preaching every evening at 7:30 o'clock. Entertainment has been provided by the committee, for all who come from a distance.

If weather conditions permit revival services will be commenced at the close of the District meeting and continued indefinitely with Elder Klatsback as special help.

The public is cordially invited to any and all of these meetings.

W. N. COFFEE, Pastor.

Slightly Off.

"What's this 'prolariat' I read about in the papers, Mike?"
"It's what the cowboys use to ketch wild horses, ye ignoramus."
—Exchange.



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