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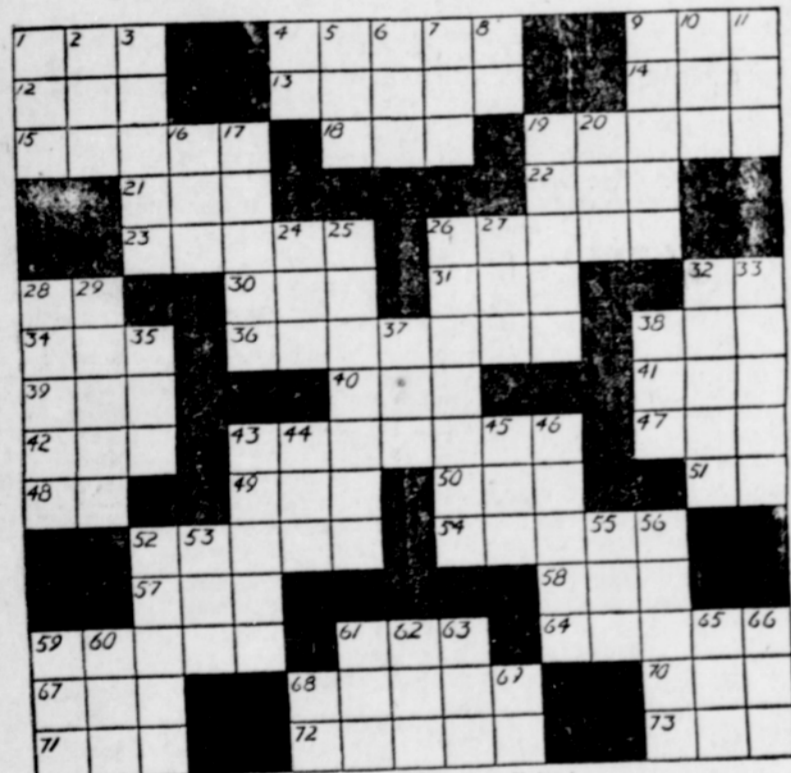
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"It Serves You Right"

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CROSS-WORD PUZZLE No. 24



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Horizontal.

- 1—Rodent
- 4—Condition
- 9—Watering place
- 12—Unclosed (poetic)
- 13—Lubricated
- 14—Allowed
- 15—Stringed instrument
- 18—Observe
- 19—Likeness
- 21—Limb
- 22—Boy's name
- 23—Sharpen
- 26—Portrait
- 28—Pertaining to (abbr.)
- 30—Organ of hearing
- 31—Collection of information
- 32—Two hundred
- 34—Implement for hewing
- 36—Doubter
- 38—San
- 39—Expire
- 40—Rend
- 41—Girl's name
- 42—Sick
- 43—Seasaw
- 47—Artist's cap
- 48—Diphthong
- 49—Ribbed fabric
- 50—Decay
- 51—Orthography (abbr.)
- 52—Kind of wheat
- 54—Poverty-stricken
- 57—Chicken
- 58—Period of time
- 59—Group of three
- 61—Distress signal
- 64—Hang illegally
- 67—Immeasurable period of time
- 68—Master (East Indian title)
- 70—New Zealand parrot
- 71—Consumed
- 72—Worship
- 73—Crafty

Vertical.

- 1—Bird of fable
- 2—Anthropoid
- 3—Relates
- 4—Thus
- 5—It is (poetic)
- 6—Beverage
- 7—Small mound
- 8—Boy's name
- 9—Slope
- 10—Projecting piece of wood
- 11—Devoured
- 13—Permit
- 17—Giants
- 19—Pertaining to the region of the
- 20—Humans
- 24—Tree
- 25—Instruction
- 26—Design
- 27—Blackbird of cuckoo family
- 28—Wireless
- 29—Banishment
- 32—Closing measure added beyond formal end of musical composition (pl.)
- 33—A compress
- 35—Long slippery fish
- 37—Place
- 38—Reposed
- 43—Inclination in any given direction
- 44—Same as 35 vertical
- 45—Fish eggs
- 46—Tempered iron
- 52—Glow
- 53—Vegetable
- 55—Palls quickly
- 59—Beverage
- 60—Decay
- 61—Sorrowful
- 62—Ejaculation of enlightened sunrise
- 63—Gentleman's title
- 65—Renowned (abbr.)
- 68—Dried grass
- 69—Part of western hemisphere (initials)
- 69—Exist

Solution will appear in next issue.



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Forty Things That Spell Encouragement

Everybody, right now, is interested in getting a bird's eye view of just what the general business situation is and what the conditions are that are affecting the affairs of the country in a favorable way. A valuable and very concise summary has been prepared by B. C. Forbes, the financial writer, as follows:

- There has been improvement:
- 1 In employment
 - 2 In stock market stability
 - 3 In the money market
 - 4 In grain prices
 - 5 In railroad traffic
 - 6 In dividend declarations
 - 7 In clearings through banks
 - 8 In foreign trade
 - 9 In mail order and chain store sales
 - 10 In automobile production and demand
 - 11 In copper consumption
 - 12 In the silk trade
 - 13 In the rubber industry
 - 14 In consumption of paper
 - 15 In the packing industry
 - 16 In the shipping industry
 - 17 In the building industry in numbers of centers
 - 18 In business booked by leading electric companies
 - 19 In public utility earnings
 - 20 In purchases of agricultural machinery and implements
 - 21 In savings bank deposits
 - 22 In the volume of new life insurance written
 - 23 In hotel construction
 - 24 In the volume of advertising
 - 25 In sales of cash registers
 - 26 In equipment buying by railroads
 - 27 In road building
 - 28 In the sugar industry
 - 29 In pig iron and steel ingot production
 - 30 In the number of new enterprises incorporated
 - 31 In the demand for gasoline
 - 32 In tobacco consumption
 - 33 In employee and customer ownership of securities
 - 34 In the outlook from the tenant's viewpoint, for lower rents

- 35 In the cost of living—from the viewpoint of the householder interested in lower prices
- 36 In merger prospects
- 37 In the outlook for tax relief
- 38 In the handling of government expenditures
- 39 In relations between employer and employee
- 40 In financial and business sentiment

Coast Industries Use More Electric Power

Reports just issued by the Twelfth Federal Reserve District show that there were a total of 106,629 industrial users of electric energy in this district, which includes Oregon, Washington, Calif. and the Inter-mountain states. A year ago the number was 94,873, or an increase of nearly 12,000 in the past 12 months.

These figures are not complete as the reports received were from only 20 companies in the entire district, but included all the large ones. The report shows that the sale of electric energy for industrial purposes for February of this year was 390,893,643 kilowatt hours as compared with 346,965,149 for February of last year.

Farm Reminders

PLANTS POISON CATTLE

"Keep cattle away from poisonous plants which are so abundant on the western ranges and certain parts of Oregon," says William E. Lawrence, ecologist of the experiment station at Corvallis. He also says that larkspur causes up to 10 per cent of the deaths, loco 5 to 50 per cent of the deaths that occur in individual herds of cattle, and death camas or lupine cause 50 to 90 per cent of the deaths in

bands of sheep that die on the ranges. Every stockman should know the leading poisonous plants find out where they grow, and then manage the stock so that they do not have access to such plants. Cures cannot be relied upon because fully half of the deaths to such plants occur before the suffering animals are discovered by their owners.

Control of the peach and prune borer, one of Oregon's worst insect enemies of peach and prune trees, is easy and cheap, as has been proved by the experiment station. The insects are controlled by placing paradichlorobenzene around the trees early in the fall when the temperature is high. After it has been properly distributed around the tree, it is covered with a few shovels of loose dirt to prevent its disturbance. When applied properly at the right time, the paradichlorobenzene kills 90 per cent or more of the insects.

Cabbage plants recently transplanted are likely to be injured by the attacks of green worms and aphids. A lead arsenate nicotine dust applied soon after transplanting is regarded by the experiment station as the best preparation for the control of these insects in Oregon.

Sheep dip in a 2 per cent solution is a good disinfectant for the incubator before storing it away until next year. Thoroughly cleaning and disinfecting the inside of the machine, and washing up the trays is time well spent, advises the experiment station. Draining the water from the pipes prevents rusting.

INCOME FROM FARM FLOCK HELPED BY BETTER STOCK

Returns from sheep in the average Oregon flock can be increased considerably by selection of foundation animals and culling out of poorer individuals, believes H. A. Lindgren, livestock specialist for the college extension service.

Experiences of several successful sheepmen bear out such a statement, he says.

It has been demonstrated that by means of selection it is possible to increase the weight of a market lamb, and to increase the average fleece weight of the flock.

Mutton conformation aids in getting heavy lambs which on the average brings two-thirds of the returns on the ewe. Hence it is wise to give the mutton the first consideration. Blocky form with good depth of body and wide, heavily muscled back indicate the ideal type.

"Probably less attention has been given to fleece in the average flock than has been given to mutton type," Mr. Lindgren says. "It is relatively easy for the flockmaster to build up fleece weight by observing the principles that stand for weight in wool. Much has already been done since sheep were brought into the United States, as is shown by the increase in the average fleece from two pounds in 1840 to more than seven pounds. This five-pound increase was brought about by selection."

Not all flocks, however, have been brought up to this average, and many average less than five pounds, though still others of the same breed average 12 pounds or more. Selection on a large flock in the John Day valley of eastern Oregon increased the average fleece weight four pounds in six years.

Three things that stand for weight in wool, reports Mr. Lindgren are density or thickness, length of staple, and covering over the body. By studying these three factors one learns to judge fleece weights. By noting the heavier shearing of the ewes of the flock and saving the lambs from these ewes in building up his flock, the flockmaster will build in the direction of heavy fleeces.

Heavy shearing rams are of course the biggest factor contributing to heavy fleeces. Building up fleece weight, however, is more rapid by disposing of the light shearing ewes just as the dairyman gets rid of his border cow.

S. P. Railway Co.

TIME TABLE

Effective Sept. 7.
Trains will arrive as follows:

To Portland	
No. 356	5:53 A. M.
No. 354	8:10 A. M.
No. 358	11:03 " "
No. 352	3:40 P. M.
No. 360	6:32 " "
From Portland	
No. 351	9:28 A. M.
No. 357	11:05 " "
No. 359	2:40 P. M.
No. 353	6:00 " "
No. 355	7:10 " "

355 and 356 Daily except Sunday
Sundays a special leaves Portland at 6:45 arrives Dayton 8:05; arrives Corvallis 9:15.

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Solution of Puzzle No. 23.

A	P	A	R	T	L	E	A	S	E
S	O	L	A	R	E	A	G	E	R
S	L	I	M	E	W	R	I	N	G
E	K	E	N	D	L	O	O		
T	A	N	K	O	P	E	R		
S	L	A	Y	S	G	O	L	D	
A	I	M	F	E	M	S	I	R	
L	A	B	E	L	A	R	I	S	E
A	N	I	M	E	N	O	E	L	S
D	A	T	U	M	S	E	R	E	S

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