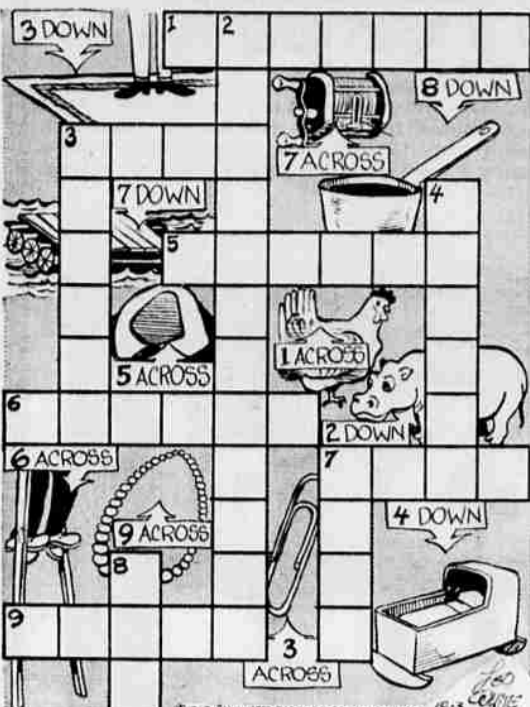


LITTLE PEOPLE'S PUZZLE



ANSWERS: Across—1. CHICKEN, 3. CLIP, 5. COLLAR, 6. STILTS, 7. REEL, 9. BEADS, DOWN—2. HIPPOPOTAMUS, 3. CARPET, 4. CRABDE, 7. RAFT, 8. PAN.



THE DOCTOR SAYS Lungs Offer First Obstacle

By W. G. BRANDSTADT, M.D., Newspaper Enterprise Assn. Before an infant is born his heart and kidneys and skeletal muscles are already working.

His lungs, however, do not expand until birth has been completed. The change from inactivity to function in the respiratory system is therefore sudden and must be accomplished smoothly, or the infant is in trouble.

About 25,000 premature babies die annually in the United States of lung difficulties. Indeed the so-called respiratory distress syndrome is the chief cause of death in the newborn.

Although the cause is not precisely known, several factors may be responsible. In any individual case one or more of these may be operating.

In some cases, the infant may have inhaled some of the fluid that surrounds it prior to birth. In some, too great a concentration of oxygen in the incubator has shown that clamping the umbilical cord before the baby has taken more than one breath is an important cause. Another factor is an obscure condition known as hyaline membrane disease.

When the umbilical cord is clamped before breathing is established, the blood pressure in the infant's not-yet fully expanded lungs is so great that the blood plasma may be forced into some of the air sacs.

This, like drowning from within, cuts down the lung surface that is available for the exchange of oxygen and carbon dioxide in the blood.

The cause of the hyaline membrane disease is still not well understood. A positive diagnosis of this condition is frequently not possible until an examination of the infant is made after death.

In this condition, much of the surface in the air sacs is coated with a membrane that either does not form in fully developed infants or is dissolved by enzymes

have to develop a course vocabulary.

Before you begin to study for a course, look through the first several chapters of your text, pick out the unfamiliar words and terms, and find their definitions. This is the beginning of the course vocabulary.

But since each subject will require a different kind of vocabulary you'll have to use a different method for acquiring each kind of vocabulary. Here are some of the best ways of developing the vocabulary for your courses:

In history, you'll be required to know the meaning of events rather than of words. For example, you won't memorize the wording of the Magna Charta, but will just understand what it was, and why it is important for English Common Law. For instance, you'd have to know that it gave privileges to the nobles rather than to the peasants—but that won't require memorization.

In biology, your definitions will be descriptive. For example, a deciduous tree sheds its leaves every year. You'll be able to get away without too much memorization if you can properly classify the thing to be defined.

Physics and chemistry, on the other hand, often present definitions as formulas. For example, Force equals Mass times Velocity, and Carbon Dioxide equals CO2 (that's easy if you know that "di" means "two"). You can remember these formulas better if you understand why they must be as they are but they should be memorized, too.

Mathematics requires the most precise definitions of all. In the definition, "A relation is a strict simple ordering of A if and only if it is transitive, asymmetric, and

connected on A," you can't afford to fool around with the order of the words. You had better memorize it!

Many of the definitions you learn will be of Latin or Greek origin. In a good English dictionary, you'll find the original meaning of the words as well as their present definition. If you know, for example, that the original meaning of "corolla" was "little crown," you'll have no trouble remembering that in biology it means the petals of a flower. While we're on biology, that word "deciduous" comes from a Latin word (decidere) which means "to fall off."

Developing a course vocabulary is the one thing you can't put off. The whole meaning of the course depends on it.

(Next: Getting ready for a productive study evening.)

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Boardman Park Finalized

SALEM, Ore. (UPI)—The three-year, \$1.5 million project to create the 99,455-acre Boardman space age industrial park was finalized Tuesday—almost.

Boeing Co., Seattle, has 10 days in which to review the state's title to the land, and if no flaws are found, the project will officially be declared an accomplished fact.

The State Land Board Tuesday signed an agreement with the Navy to purchase 48,000 acres in the west half of the Navy's bombing range for \$580,000. The state will pay off the purchase over the next 10 years.

The state already has leased the property to Boeing. The lease covers 80 years, and will produce \$4.8 million in rental fees. The

Conference Set

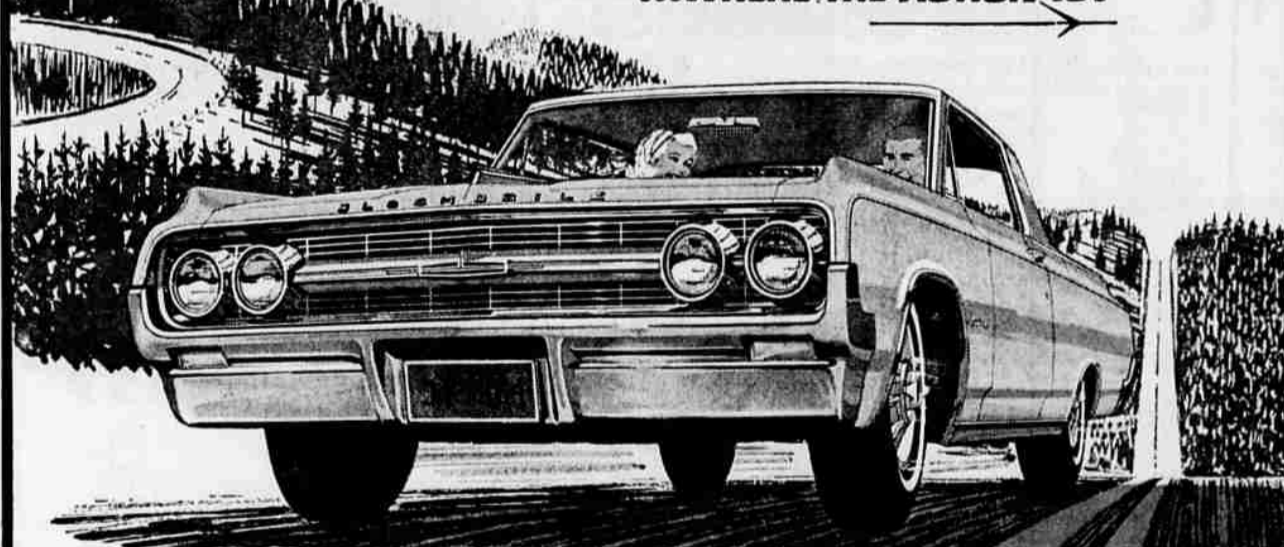
EUGENE (UPI) — More than 500 elementary school principals from Oregon are expected at their annual conference here Oct. 13-15. Speeches by educators will be on the theme "Leadership in Effecting Change."

STAR GAZER

A horoscope section titled 'STAR GAZER' by Clay R. Pollan. It includes a 'Your Daily Activity Guide According to the Stars' and lists horoscopes for various zodiac signs: Aries, Taurus, Gemini, Cancer, Leo, Virgo, Libra, Scorpio, Sagittarius, Capricorn, and Aquarius. Each sign has a list of characteristics and a 'Good', 'Adverse', or 'Neutral' rating.

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