

No Secret Poison Gases to Fear

Expert Says Development At Peak; Chemists Busy On Other Lines.

COLUMBUS, OHIO.—Those who fear the present war in Europe may result in the development of new and more deadly gases may relieve their minds. Dr. James R. Withrow, an internationally known authority on chemical engineering, declares such fears are groundless.

Dr. Withrow, chairman of the department of chemical engineering at Ohio State university and three times director of the American Institute of Chemical Engineers, asserts that the development of explosives and gases has already progressed so far that it is impossible to go much farther.

"What research chemists the world over are trying to do is find a means of producing the known materials in larger quantities and at lower costs," Dr. Withrow explained.

Three years ago Dr. Withrow lectured at the Leuna plant in Saxony, Germany's largest munitions factory.

"My audience was not half as interested in my talk on explosion investigations as it was in the operations of its plant," he said. "Even then the factory was running at full blast, turning out materials for war."

Prepare, He Warns.

Dr. Withrow does not subscribe to the theory that the peoples of the United States should sit idly by and hope that nothing will happen to upset their calm.

"We should be prepared for anything that may develop from Europe's war," he said.

"From coast to coast the United States is dotted with potential munitions plants," said Dr. Withrow. "All of the chemical plants, the nitro-rayon factories, any of the dye plants which include nitrations and sulfonations in their operations could switch from the manufacture of rayons and fertilizers to the making of materials of chemical warfare in from 30 to 60 days."

The drawback is a lack of adequate training centers to prepare men for chemical warfare work, the scientist asserted.

Dr. Withrow is enthusiastic about the recent assertion of a Washington man that liquid oxygen and a

finely divided carbon could be used as an explosive.

"A step in the right direction," he terms the suggestion.

"Where dollars are now spent on TNT, the oxygen-carbon explosive would cost only cents," Withrow explained. "It has been used for coal mining in Indiana for some time. The oxygen can be taken from the air, the carbon made from natural gas. If the material could be delivered and made to work, it would supply a cheaper method of making high explosives for use in mining as well as in warfare," he added.

If the United States should ever go abroad to fight, it is Dr. Withrow's contention that carbon could be shipped from the United States to be combined with oxygen on the continent.

He pointed out that the United States is the only country in the world possessing an abundance of developed natural gas fields.

During the World War, Dr. Withrow had charge of the small scale manufacture of cyanide compounds for the research division of the United States army.

How Many Boys and Girls Here?



At first glance it seems that boy and girl are meeting their reflections in a mirror here. Actually, four people are in the picture—two sets of twins from one family. They are Johnny and Jimmy Ehmke, 12, and their sisters, Erma and Erna, 13, of St. Louis, photographed during the Twins convention held there recently. You can guess which pair is playing the reflection.

Tree Offers Lumber Enough for a House

MEDFORD, ORE. — A sugar pine log, scaling 5,038 board feet, enough to build a four-room house, was believed here to be the largest of its kind ever cut.

The 16-foot log had a butt measurement of 9 feet 2 inches and a top measurement of 6 feet 9 inches.

University Boys' Lassos

Rope in College Money

CHEYENNE, WYO.—After a summer of bull-doing and bronc busting, Dean and Hyde Merritt are back at the University of Wyoming this year.

"They plan to keep on ropin' cattle during the summers and lassoing textbooks in the winter until they end with a couple of college degrees in 1943—as well as fat purses from their summer activities."

Dean, 19, and Hyde, 18, are the sons of King Merritt, rancher, who has competed in rodeo events since 1933.

Both boys are taking agriculture courses, and their college expenses will be paid from earnings at calf roping in western rodeos.

Dean struck the jackpot at the Greeley, Colo., Spud rodeo when he caught and tied a calf in 16 seconds flat to capture the \$200 prize. His chagrined father came in second best in 19 seconds.

At the Cheyenne Frontier Days ill-luck struck the Merritt family and father and sons lost to more experienced cow-pokes.

"But we did as well as dad," commented the college-bred cowboys. In their spare time they "ride the herd" over 150 horses and 300 cattle.

OFF THE FACE



"Snappy Sailor" is what Eleanor Powell calls her perky new fall bonnet. It is soft blue and has a tight-fitting head band of grosgrain ribbon falling into shoulder length streamers. The hat fits well back on the head, with slight shirring concentrated behind, where it fits into the dark blue streamers.

Antelope Refuge in Use

As Nursery for Fawns

LAKEVIEW, ORE. — The Hart mountain antelope refuge east of Lakeview has been turned into a kindergarten for a group of more than 100 agile antelope fawns.

The fawns will be raised and then sent to Washington and Oregon game refuges.

They are fed canned milk from a bottle four or five times a day until they are large enough to graze for themselves.

Kathleen Norris Says:

Being Disagreeable Is a Luxury

(Bell Syndicate—WNU Service.)



He is soured by being held too tightly in a rut; by feeling that Mary and the girls merely want all the money he can make, for pleasures and purchases that mean nothing to him, and that the kindest thing he could do for them would be to die and leave them the big insurance.

By KATHLEEN NORRIS

TO MAKE himself disagreeable is a luxury that costs a husband very little.

When life goes dull for him; or his business is worrisome; when he has nothing to remember of his fishing trip but sunburn and an unpaid poker debt; when one child has a cold and the mouth of the other is disfigured by dental bands, then it is Dad's royal prerogative to be disagreeable, and he has to be a man of real strength of character and real sweetness of temper to be anything else.

Nobody can stop him if he wants to be disagreeable. When a man drinks or gambles to excess, beats his children, is unfaithful to his wife, there is something she can do about it. But when he merely criticizes, sulks, snaps and growls, she is helpless, unless she wants to turn shrew, and at the same time turn the house into a hell for all concerned.

Dad's W-od Affects All.

Most women don't do that, if only for the sake of their own dignity and for the children. They overlook, they smile, they explain and placate and endure until the bad mood passes.

"Dad is in a bad mood tonight," they say in an undertone. The children glance at him apprehensively. A dismal quiet rules the dinner table. No young voice dares pipe up about the movie; the approaching finals at school; the need of new shoes. Mother makes a few tentative starts.

"Nice that Doctor Smith won the club golf match," she says. And after a moment, "Harriet telephoned today, just to ask about all of us. They've decided not to move."

Silence. The head of the house looks unutterably weary, looks faintly annoyed.

"My husband is everything that is good and fine in character," writes a Boston wife, "but he is so glum! I could count on my fingers the times I have seen Larry really cheerful. We have four young daughters, and have had hard times financially. But times are better now, and we are paying off bills and planning—or, I am, at least, for a move to a nicer house and a little expansion generally. Larry takes no interest in this, he glooms away silently at meals, is very apathetic over any talk of change, and goes silently through life as if he were half-dead."

"The effect of this on me and the girls is of course perfectly terrible. We can't start up a conversation while that death-head of boredom and disapproval is looking on. As a result we make our own plans and keep quiet when Papa is around. Larry resents this, too, for when I ask for money he hasn't heard our plans, doesn't know what it is for and generally grows about it."

No Criticism Allowed.

"All this seems very sad, to me. We could be so happy! The girls deeply admire and really love their father; I have never allowed myself or them the slightest criticism of him. I have always reminded them that he works hard to keep us all comfortable and happy, that he stints himself to carry a heavy life-insurance, just for us, and that he does truly love us, deep down in his heart. But I find it hard going sometimes. Now Patsy and Sheila are 16, twins, and Brenda and Mar-

DISAGREEABLE?

Kathleen Norris answers a letter from a tearful woman who complains that her husband is always glum and moody. "He acts half-dead," she laments. Miss Norris warns that this may easily be her own fault. Her downhearted husband is probably carrying too heavy a burden resulting from excessive expenses of his wife and daughters. "Come down to earth," she advises, "and you will all be much happier."

garet getting into their teens, too, and these are days for simple hospitalities and pretty, if inexpensive frocks and good times. I've begged him to relax, to be cheerful, to stop worrying. I've prayed about it. Can you make any suggestion to 'just one more Mary'?"

The only suggestion I can make is that there is a reason for this man's moods, and that when it is found and diagnosed, like any bodily sickness, Mary will find that she is halfway to the cure.

It may indeed be physical. It sounds very much like stomach ulcers or colitis or any one of the similar ailments that so often attack men whose habits are sedentary and who eat heartily. If Larry can be persuaded to walk two miles a day, eat a light dinner, and substitute for rich desserts the invaluable orange, apple, saucer of prunes or compote of raw fruits, he may find life taking on a much rosier color.

Trouble Probably Mental.

But much more probably Larry's trouble is mental. He is carrying too heavy a burden. If two of those daughters had been sons he would feel very differently. "The boys will be helping out in a few years," would be his natural thought.

The boys DON'T usually help out, and are much less reliable as money-earners than girls are, doesn't often occur to the father of daughters. But that's an aside.

That boys DON'T usually help out, might come through a move indeed, but a move to simpler and less expensive rather than finer quarters. It might come through a determined lessening of expenses, rather than an increase in them. It might come if the twins started talking less of college and sorority days and more of jobs. It might come if Mary and the girls all talked honestly to Papa, dismissed the maid, gave up the apartment for which they pay \$85 rent and planned for a country farm near the city, at \$35. It might come if they gave Papa a chance to do a little gardening, to split wood and chop down trees and putter with a windmill's machinery.

Helping Dad Out of Gloom.

There is escape for all of us from difficult conditions, if we will but open our minds and hearts to find it. A wife and four daughters, when the man of the house is the only bread-winner, shouldn't have a maid. Larry's family has one, and often, for part-time, another. Girls in such a family should be busy putting up fruit to sell, or taking after-school jobs in frock shops or tea rooms. A mother like Mary should be talking of resources, not of constant needs. If she found some weather-beaten old place outside the city, painted it with the girls' assistance, opened a lunchroom, took a couple of small children to board, started a bank account of her own, from which to supply her daughters the luxuries they want, she might find the man of the house a changed person.

Worry over family finances will make the best natured men "disagreeable." If the family would co-operate to help save or earn money, this moodiness usually disappears.

CLASSIFIED DEPARTMENT

HOTEL ASSEMBLY

NINTH & MADISON, SEATTLE
Comfortable Modern Rooms
Daily \$1.25 Weekly \$6 Up
Coffee Shop Dining Room



To frost windows make a very strong solution of epsom salts and vinegar. Apply it with a paint brush and when it is dry go over it with white varnish if you wish it to remain on for good.

The Pleasant Way to Correct Constipation

Why let yourself in for all the discomfort of constipation—and then have to take an emergency medicine—if you can avoid both by getting at the cause of the trouble?

If your difficulty, like that of millions, is due to lack of "bulk" in the diet, the "better way" is to eat Kellogg's All-Bran. This crunchy toasted cereal—a natural food, not a medicine—has just the "bulk" you need. If you eat it every day, it will help you not only to get regular but to keep regular, month after month, by the pleasantest means you ever knew! Eat All-Bran often, drink plenty of water, and "Join the Regulars." Made by Kellogg's in Battle Creek, Sold by every grocer. If your condition is chronic, it is wise to consult a physician.

Certain Wealth

Not to be avaricious is money; not to be fond of buying is a revenue; but to be content with our own is the greatest and most certain wealth of all.—Cicero.

WOMEN IN "40's"

Read This Important Message!

Do you dread those "trying years" (38 to 52)? Are you getting moody, cranky and NERVOUS? Do you fear hot flashes, weakening dizzy spells? Are you jealous of attention other women get? THEN LISTEN—These symptoms often result from female functional disorders. So start today and take famous Lydia E. Pinkham's Vegetable Compound. For over 40 years Pinkham's Compound has helped hundreds of thousands of grateful women to go "smiling thru" difficult days. Pinkham's has helped calm unruly nerves and lessen annoying female functional "irregularities." One of the most effective "woman's" tonics. Try it!

To Forgive

Only the brave know how to forgive. A coward never forgave; it is not in his nature.—Laurence Sterne.

"FOR TWENTY YEARS"

I've found ADLERIKA satisfactory." (H. B. Mich.) When bloated with gas, annoyed by bad breath or sour stomach, due to delayed bowel relief, try ADLERIKA for QUICK relief. GET IT TODAY.

AT YOUR DRUG STORE

Good Principle

My principle is to do whatever is right, and leave consequences to him who has the disposal of them.—Thomas Jefferson.

That Nagging Backache

May Warn of Disordered Kidney Action

Modern life with its hurry and worry, irregular habits, improper eating and drinking—its risk of exposure and infection—throws heavy strain on the work of the kidneys. They are apt to become over-taxed and fail to filter excess acid and other impurities from the life-giving blood.

You may suffer nagging backache, headache, dizziness, getting up nights, leg pains, swelling—feet constantly tired, nervous, all worn out. Other signs of kidney or bladder disorder are sometimes burning, scanty or too frequent urination.

Try Doan's Pills. Doan's help the kidneys to pass off harmful excess body waste. They have had more than half a century of public approval. Are recommended by grateful users everywhere. Ask your neighbor!

DOAN'S PILLS

CREATING NEW WEALTH TO ORDER

Advertising creates new wealth by showing people new and better ways of living, and as it creates new wealth, it contributes to the prosperity of everyone touched by the flow of money which is set up. In this way, don't you see, advertising is a social force which is working in the interest of every one of us every day of the year, bringing us new wealth to use and enjoy.

Minute Make-Ups

By V. V.



CLEVER young things are learning to sleep without a pillow. They know it helps keep shoulders flat and chinlines straight and youthful. You can easily get used to it, if you work up to it gradually. Use a smaller pillow each month, till you're perfectly flat—and comfortable. (Released by Western Newspaper Union.)

Army Tests 'Gnat Tank'



This tough little midget armored car is undergoing rigid tests by the U. S. army. The machine will travel 60 miles an hour and carries three soldiers, a .30-caliber machine gun and 3,000 rounds of ammunition. It has four-wheel drive, seats like granite and oversized tractor-tread wheels.

SCIENTISTS FIND TRACE OF LOST COLONY OF ROANOKE

ATLANTA.—Is the fate of the "Lost Colony of Roanoke," which has baffled historians for hundreds of years, at last going to be solved? That question is uppermost in the minds of scientists as they examine a chain of crudely carved rocks which have been found from North Carolina to Georgia.

Latest of these rocks to be discovered were five significant slabs located along the banks of the Chat-

tahoochee river 10 miles northwest of Atlanta.

Their message, translated by Dr. H. J. Pearce, president of Brenau college, is this:

Eleanor Dare, mother of Virginia Dare, first white child to be born in America, came to Georgia from South Carolina, where her husband and daughter were massacred by Indians.

She later married an Indian chief.

tain and gave birth to another child, also a girl.

One inscription indicated that Eleanor Dare arrived on the Chat-tahoochee banks in 1593.

Another reads: "Father, I beseech you, have my dowry go to England. Eleanor Dare, 1598."

Dr. Pearce, aided by other scientists, is now investigating the authenticity of the stones, along with others found in the Carolinas. He

is inclined to believe in them and thinks that in due time the complete story of the Dares and their ill-fated colony may be disclosed.

Back of the discovery is William Eberhart of Atlanta who found the first stone in South Carolina.

Since then he has worked hand in hand with Brenau officials in their efforts to locate other telltale stones. His hope now is to find the tombstone of Eleanor Dare.