

## 31,000 Americans Are Lung Cancer Victims Annually

Washington—(Science Service)—Arthur Godfrey is one of the 31,000 persons in the United States who will be stricken with lung cancer this year.

Of this number, 26,000 will be males and 5,000 will be women. Unfortunately, the recovery rate for this disease is below five per cent.

No one knows just what causes this disease, but one famous theory holds that smoking tobacco products produces cancer.

**Controversy Flared**  
Within the past few years, the lung cancer-smoking controversy has flared like the smoldering end of a cigarette at each puff.

For instance, Dr. Alton Ochsner, surgeon at the Ochsner Clinic in New Orleans, points out that the incidence of lung cancer has increased proportionately to the increase in cigarette sales in this country.

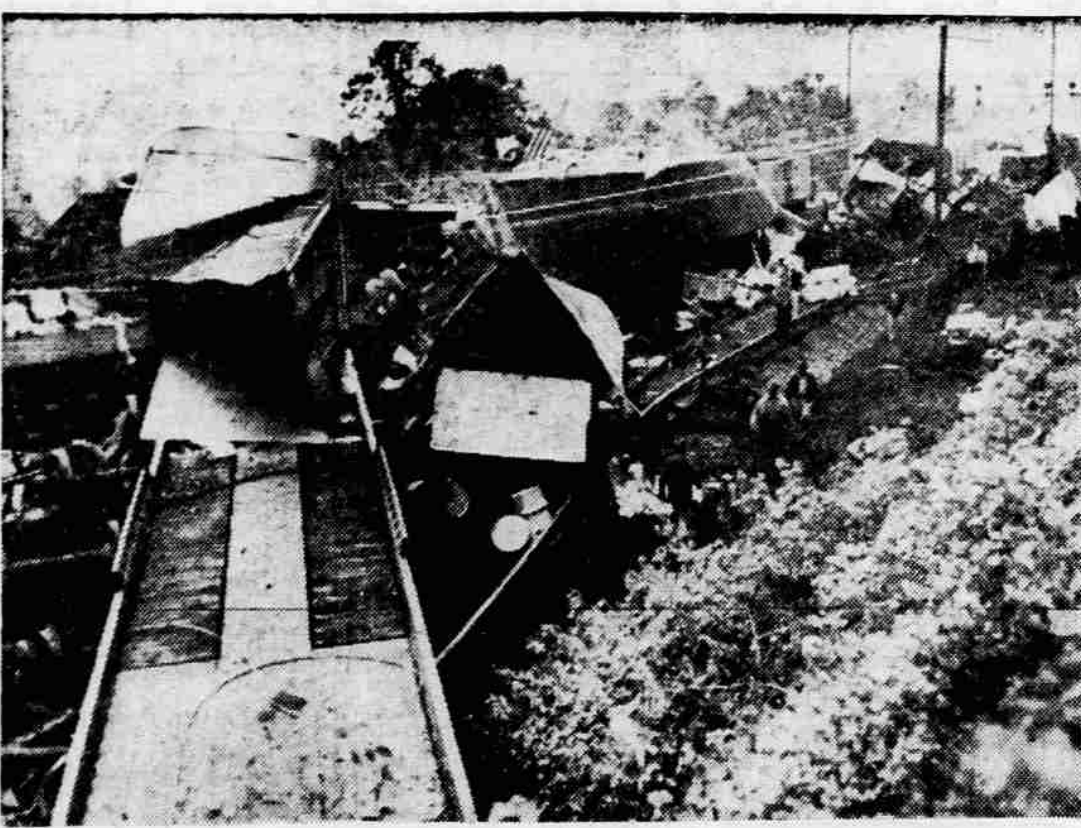
"It is my firm conviction that every heavy smoker will develop lung cancer—unless heart disease or some other sickness claims him earlier," Dr. Ochsner said in Today's Health, a publication of the American Medical Association. The article carried the notation that the House of Delegates of the AMA has not taken a position on the possible relationship between smoking and lung cancer, due to the considerable difference of opinion among medical authorities on this controversial subject.

**More Research Required**  
Four other lung cancer experts recently met and decided that further research is required before anything definite can be said about the possible link between smoking and lung cancer. These four, three of whom are smokers, were Dr. Seymour M. Farber, chief of the University of California's Tuberculosis and Chest Service; Dr. Carlo Sirtori of Milan, Italy; Dr. Bernard Pierson, France; and Dr. Anton Satler, Vienna, Austria.

The experts have stressed that lung cancer is becoming the number one killer among males more than 40 years of age. Lung cancer in the U.S. has increased 400 times in the past 30 years, Dr. Farber said.

However, none would attribute the increasing death rate to smoking. Dr. Farber suggests that perhaps the fact that men have to work in smoke-filled cities and factories may have a key role in the development of lung cancer.

A two to six year study of 6,000 persons who showed no symptoms of lung cancer initially was conducted by Dr. David A. Cooper of the University of Pennsylvania. At the end of the investigation period, 86 of the 6,000 had developed lung cancer. Of these victims, 85 were smokers, Dr. Cooper said.



**PENNSYLVANIA TRAIN WRECK**—General view of derailed freight train which was hit at Paoli, Pa., by an express passenger train. The accident occurred when the 44-car freight train jumped the tracks seconds before the passenger express arrived. Only one passenger on the express was reported injured.

## Eye Can Recreate Color Images From Superimposed Pictures

New York, N. Y.—Recent experiments have demonstrated the astonishing fact that the eye can recreate images in full color from superimposed photographs made in only two closely related colors, a phenomenon wholly at odds with color theory as developed and taught for the past 300 years. The experiments, which bring into question the whole field of color perception, were conducted by Edwin H. Land, president and director of research of the Polaroid Corporation.

As school children have been traditionally taught, the full spectrum of colors can be reproduced by mixing in appropriate proportions the three "primary" colors of red, green and blue. The initial knowledge on which this technique is based came from the researches of Newton who in 1660 discovered that a narrow beam of sunlight is fanned out into a band of colors when passed through a prism of glass. Simultaneously, Newton demonstrated that the individual colors could be gathered together by a second prism and combined to make white light. Finally, he showed that when parts of the spectrum were excluded so that only two colors were combined, say yellow and blue, a spot of intermediate color is formed, in this case green.

**Variation of Experiment**  
Dr. Land performed a variation of this latter experiment. He made two photographs of a scene in full color using ordinary black-and-white film. One picture was taken through a glass of light yellow color and the other through one of somewhat deeper yellow. After development the two black-and-white images were projected simultaneously on a screen, each filtered

by the appropriate yellow glass. The resulting projected scene, according to classical theory, should have been yellow.

"Instead," reports Dr. Land, "when the images were combined on the screen the full range of colors present in the original multi-colored scene was reproduced. Though pale and unsaturated, the recreated colors were distinctly red, gray, yellow, orange, green, blue, black, brown and white! By this experiment we are forced to the astonishing conclusion that light rays are not in themselves color-making. Rather they are bearers of information that the eye uses to assign appropriate colors to various objects in the image.

"According to classical theory as developed by Newton and a long line of subsequent workers this result is wholly unexpected. What is wrong? The answer is that the experiments of these great investigators had very little to do with color as we normally see it. They dealt with spots of light, particularly with pairs of spots, trying to match one to another. Under natural conditions the eye is presented by scenes in many colors of random pattern. Now, we find, that when we take a pair of black and white pictures through any pair of filters which differ in wavelength by a certain critical amount, such as red and yellow, green and blue and so on, and project them with any pair of wavelengths which differ by a comparable amount we obtain an image

in full natural color. In fact, we obtain the range of colors even if one image is projected in white light and the other in, say red!

**To Add Third Color**  
"We are now preparing an experiment in which a third color will be added. Doubtless some improvement in color rendering will be observed. However, there is not a very big gap in the sensation scale to be filled by the third picture. Even if more than two 'information channels' are used, we feel that the big jump in color perception comes when a scene is viewed in the second color. Most of the capability of our eyes comes into play here. Color in the natural image, we are convinced, depends primarily on the random interplay of longer and shorter wavelengths of light over the total visual field."—Scientific American Feature.

### Visitation Day Set At Howard School

Parents of next year's first graders are reminded of the visitation day Tuesday, May 19, at the Howard school. Parents and children are invited to lunch at noon. After lunch, children will be guests of this year's first grade. Parents and first grade teachers will meet while children's activities are conducted by members of the Howard Parent Teachers association.

Ipswich near London, England, was a settled site perhaps 2,000 years before the Roman occupation.

## The Family Council

Editor's note: The Family Council consists of a judge, a psychiatrist, three clergymen, a newspaper editor, a women's editor and two writers. Each article is a summary of an actual report. The Family Council does not give advice; it merely reports on problems that have been dealt with by responsible agencies and counselors.

**Elaine L.**—My fiancé is inconsiderate. Mrs. M. L.—She just has last-minute jitters.

**Elaine L.**—I am 22 and engaged. We are planning to be married in three months and perhaps I am getting the last-minute jitters—but anyway I am beginning to see a lot of things that worry me in my fiancé.

For example, Lou is sort of inconsiderate. He doesn't pay attention to the things I say about where I want to go and what I want to do. It is true that he spends a lot of money on me, taking me to the theater in the best seats and to elegant restaurants, but it is always the place he chooses. He just ignores my ideas or laughs at them.

Another thing that bothers me is that he gave me a diamond ring that had been used by another girl. He was engaged to this girl two years ago and she gave him back the ring when she broke up. He didn't tell me about this when he gave it to me, but someone who knew the other girl recognized the ring and told me. I now feel unsure about my feelings.

**Mrs. M. L.**—There just is no such thing as a girl who doesn't get last-minute jitters before her marriage. I was unsure about my feelings too, but I have been wonderfully happy in a marriage of 28 years.

Elaine has known Lou for nearly two years and I think that is enough time to really know your own feelings. Lou

is a very good-looking young man with a promising future. The whole family is crazy about him. He has the kind of personality that people like at once. Plenty of girls would be glad to be in Elaine's shoes. As for the engagement ring that Lou never told about, I don't think that's so serious. He told us afterwards that he had just wanted to forget about the whole thing. He doesn't believe in living in the past. It's not as though it was a marriage. I can understand how Elaine feels about the ring, but men think differently about those things. They just aren't so sentimental.

**The Council:** Certainly, Elaine is entitled to her last-minute jitters, but we do not think it is wise to brush aside any rational worries or even irrational hunches. It does no harm to explore these things before undertaking an enterprise as important as marriage.

Elaine's Lou may be all that her mother says and "the whole family" may be crazy about him and she could still be unhappy with him as a husband. He may simply lack the qualities that are important to her.

Elaine has known Lou nearly two years, but she has probably changed and grown a lot in those two years. She may at first have had a strong desire for marriage and a good deal of liking for Lou, yet she could have since become aware of even deeper emotional needs.

Elaine's desire to have her

wishes and feelings considered and respected is certainly natural. It is something everyone has a right to expect from a marriage partner. An individual who doesn't give that much to a mate or prospective mate is self-centered and lacking in emotional sensitivity. Lou's casual handling of the business of the ring surely betrays a lack of understanding of and consideration for feminine psychology. Certainly, Elaine should at least have been consulted as to a new setting for the ring.

"A lot of girls" might be happier in Elaine's shoes than she is. Perhaps they would be more willing to accept Lou's shortcomings. Perhaps Elaine herself might be willing to accept those shortcomings if she permitted herself to examine her own feelings and to take a sharper, more objective look at her fiancé. We see nothing to gain by slurring over uncertainties and hurrying into a marriage.

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**STUDIO HEAD RESIGNS**  
Hollywood—(UP)—Y. Frank Freeman, 68, long-time head of Paramount studio, announced his resignation Sunday for reasons of health. Jack Karp was named to succeed him.

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## Contracts Awarded For Highway Work

Contracts for three state highway department projects in cities in Jackson county recently were awarded.

Two of the projects are being financed from the \$250,000 annual appropriation withheld from state highway revenues to cities and made available to improve streets which are not a part of the state highway system and which are receiving excessive wear through increases in population or heavy industrial traffic.

The two projects in Jackson county are \$16,500 for paving Oak st., in Central Point, for which no city funds are involved, and grading and paving North G st., in Eagle Point, \$25,000. Eagle Point is to finance that portion of the work more than \$20,000.

A contract for \$10,900 also was awarded for traffic signals on Main st. and Lithia way in Ashland. The state and city share the cost equally.

thru May 31

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## Quotes From the News

**By UNITED PRESS INTERNATIONAL**  
Poplarville, Miss.—A doctor, who asked to remain anonymous, on the condition of 32-year-old Arthur Smith, who suffered a stroke after being questioned by FBI in the M. C. Parker lynch case:

"The cerebral hemorrhage was brought on by extremely high blood pressure, and it's very possible this was the result of intensive questioning by the FBI."

Jackson, Miss.—Roy Wilkins, executive secretary of the National Association for the Advancement of Colored People, on the lynching of M. C. Parker:

"The important aspect of the Poplarville lynching is not so much the horrible treatment of the victim as the horrible revelations about Mississippi."

St. Louis—Ivan L. Deckard, captured after shooting it out with policemen during a drugstore holdup:

"I'm not yellow. If I would have had more bullets, I would have shot it out with the police."

Hollywood—Marilyn Cantor, on the death from cancer Sunday of her sister, Marjorie, 44, eldest of Comedian Eddie Cantor's five daughters:

"She's had cancer for two years. We knew about it but we kept it from daddy and mother until seven weeks ago when she entered the hospital."

Naples, Italy—Assunta (Baby Doll) Maresca, on being sentenced to 18 1/2 years in prison for the vengeance murder of a racketeer who she accused of ordering the murder of her husband, also a racketeer:

"If my husband came back to life and they killed him, I would do it again."

### Sands Cox Professor To Lecture at Oregon

Eugene—Sir Solly Zuckerman, a Sands Cox professor of anatomy at the University of Birmingham, England, will deliver a "Falling Distinguished Lecture" at the University of Oregon.

Sir Solly is deputy chairman of England's Advisory

Council on Scientific Policy. He will speak at 8 p.m. Monday, June 1, on "science and democracy."

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