

Scientist Thinks Bacteria, Viruses Possess Chromosomes, Genes

By DELOS SMITH
United Press Science Writer
New York — (U.P.)—A scientist whose dish is heredity believes it can now be taken for a fact that such invisible creatures as bacteria and viruses have chromosomes and genes in them, just as we do, and use those chromosomes and genes just as we do—to pass their characteristics along to their children.

Don't say, so what! Your life may depend some day on what science knows about the ability of those minute creatures to pass things along from generation to generation. What worries scientists a great deal right now is that any of the so-called "wonder drugs" which once killed disease-causing bacteria with slaughter-house efficiency, may be not even a minor annoyance to those bacteria's offspring.

How They Do It

How in the world do the bacteria and viruses do it? Dr. M. Demerec, who is director of the department of genetics of the Carnegie Institute and of the biological laboratory of the Long Island Biological Association, be-

lieves that science no longer needs to be wishy-washy about the answer.

They must do it just as we have done it—without knowing it—when we look at our grandchildren and see our eyes and noses in their faces.

Dr. Demerec expounded his views at a recent meeting of the American Society for Pharmacology and Experimental Biology. In greatly simplified form, they are as follows: Take a city like New York City. There are all kinds of people in it, with all kinds of characteristics. They may and do mate freely. As a result, the new generation of New Yorkers have inherited all kinds of characteristics, in just about every conceivable combination.

Now take a "city" of escherichia coli which is a kind of bacteria that lives on very intimate terms with us since it is to be found in the intestinal tracts of all mammals. They're so tiny that billions could cluster on your thumbnail. We don't know enough about them to apply the word "mate" to their procreative

activities, but the result is that of mating—all kinds of combination.

Develop Immunity

Keep in mind that there are all kinds of escherichia coli in their "city." Some are just naturally immune—in one degree or another—to penicillin or streptomycin, and they have in their chromosomes the genes of their immunity. Now, a shot of penicillin or streptomycin arrives. It slaughters the whole "city"—except the few individuals who are immune. Those individuals pass along their genes to their descendants, and before you know it—since bacteria multiply quite rapidly—you have a new "city" made up of escherichia coli with nothing to fear from the "wonder drugs."

All this is in the realm of "pure science," its practical applications, according to Dr. Demerec, is to understand perfectly and precisely just how bacteria and viruses survive the drugs which should kill them, and then, perhaps, a stop can be put to it. Not with the present "wonder drugs," of course, as those bacteria which resist them are busily re-populating the bacterial world with their descendants, but with the "wonder drugs" of the future.

On The Side

(Distributed by King Features Syndicate, Inc.)

How well informed is your charming stenographer as to her activity? Does she know who the first stenographer was? How about the famous Florodora Sextette? Does she know that the young women in that group were portraying stenographers? In the play, Florodora was an island in the Philippines where a British firm was manufacturing perfume. The organization had sent to England for stenographers, hence the girls of the sextette. Hence the line in the song: "Tell me, pretty maiden, are there any more at home like you?"

Warning

No woman should marry a man with whiskers or a mustache until she has seen how he looks when clean shaven. Whiskers and mustaches often hide weak chins, cruel mouths and other revealing facial characteristics. Such is the advice offered by a character analyst. Keep this in mind, young woman in case you're contemplating matrimony.

Service

Sign noted in window of establishment on the Avenue of the Americas, Manhattan: "Laundry Called For and Delivered Within Twenty Four Hours." Is that a speed record for pickup and delivery laundry service?

Ratings

Though Marciano has participated in 49 professional bouts and never lost one, innumerable sportscribes continue to say he is a clumsy fellow who has nothing but brute strength and does not know how to box. However, Marciano is still not the most under-estimated boxer in ring history. Take the case of Gene Tunney. He beat Dempsey twice, yet in 1950 when sportscribes from all over the country were asked to name "the best heavy weight of the first 50 years of the twentieth century," Dempsey received 256 votes and Tunney only six!

Confusion

The writer on historical subjects using the professional name of C. V. Wedgwood is a female. Women, of course, have as much right to conceal the names they don't like with initials as men, but the result is confusing. When initials only are used people always think it is a man. By the way, what became of K.T. Stevens?

By E. V. Durling

Life Shortener

Overweight is a life shortener. Fat men cannot hope to achieve a ripe old age. So say experts on the subject of health. That's probably true. Still there have been exceptions. Theodore Liebler, celebrated theatrical producer, weighed over 300 pounds and lived to be 90 years of age.

Sidelights

Am asked in what year Dorothy Kilgallen did a "Nellie Bly," making a speedy trip around the world as a girl reporter. That was in 1936. Dorothy made the trip in 24 days. . . What became of that menu item described as "a small steak?" Haven't seen it listed anywhere for some time. There are times when your appetite is not up to a large thick steak. That's when the "small steak" order is welcome.

High Ceilings

Give me high ceilings for my house, apartment or hotel room. Too many recently constructed buildings have ceilings much too low. In New York City the minimum ceiling height is eight feet, six inches. Another thing I like to have generously proportioned is the bathroom. I like a long tub. And a high shower. In many hotels the bathtubs and shower baths seem to have been built for females measuring five feet or less.

Award To Postal Clerk For Service

Budd W. Gail, clerk at the Medford post office, was awarded a citation in a brief ceremony Monday. The award was given Gail for his suggestion to the department to expedite handling of post office funds, and is part of the national suggestions program by the department.

The citation presented stated that recognition was an "official commendation and appreciation for meritorious service." The citation was signed by Arthur E. Summerfield, Postmaster General.

Gail has been employed in the Medford post office since 1942, and has served in most clerical capacities, as well as carrier.

Salem — (U.P.) — The Oregon Association of Secondary School Principals opened a two-day meeting here yesterday, attended by approximately 175 persons.

Fly United to CHICAGO

10½ hrs.

NEW YORK

12¼ hrs.

and "All the East"

Daylight & overnight service.

Call 3-3643 or an authorized travel agent.

UNITED AIR LINES





IT WON'T BE LONG—Sandy Teboe isn't a reckless driver, she's just stopping long enough to let motorists traveling to and from the Redwood Empire know that the new Waldo Tunnel she is in will be handling northbound traffic only about the end of December. Tunnel is now handling two-way traffic while the old tunnel alongside is undergoing repairs. That's the Golden Gate Bridge looming in the background.

Tuesday, October 11, 1955

MEDFORD (OREGON) MAIL TRIBUNE—FIVE

Around Hollywood

By ALINE MOSBY
United Press Correspondent

Hollywood — (U.P.) — At Judy Garland's TV debut, the "star" that drew the most applause from the studio audience was a new 30-second cartoon commercial that ends, "It's a F-o-r-r-d!"

These animated commercials have become one of the biggest entertainment hits on the home screens along with Davy Crockett and Lassie.

The TV ad has raked in as many fan letters as live performers get. George Gobel hollered, "It's a F-o-r-r-d!" on his TV show. Milton Berle, also with a different sponsor, got a laugh with the line on his recent fall debut. Newspapers used the line in cartoons when the Ford strike was settled and when Whitey Ford of the New York Yankees starred on the mound.

The commercials—and many of the other whimsical cartoon pitches now flooding TV—are made at a new company called Storyboard Inc. It's headed by John Hubley, who once helped create such movie cartoons as "Gerald McBoing Boing."

Hubley quit movies to make TV cartoon commercials and was such a success he now has a staff of 35 and a flood of imitators.

The Ford cartoon was born on a warm June night in 1954. A Hubley assistant, Bob Guidi, was lying awake at home when, "I got the idea of having the character spell out the brand name with his mouth, to stretch the word." Hubley drew the original "story" line.

In 16 months of business, Storyboard Inc., has collected 21 awards for its cartoon commercials. The best known is the Ford cartoon showing a bird playing a phonograph record with its beak.

"Our commercials have the entertainment touch," explains the company's production manager, Les Goldman.

Another popular cartoon commercial shows a TV announcer who cannot pronounce "worcestshire" sauce.

Storyboard "casts" its commercials as if they were supercolossal movies. Comedian Jim Backus and Hal March of "The \$64,000 Question" are the voices of many characters. Famed progressive jazz musicians Andre Previn, Oscar Peterson, Shelly Manne and Shorty Rogers play the background music.

Each 60-second commercial takes three months to make and costs \$10,000.

The Ford cartoons have reaped

Six Americans Hurt In Yugoslav Crash

Vienna — (U.P.) — A Yugoslav airliner carrying 29 persons including six Americans crashed in the Vienna Woods yesterday.

The doomed pilot saved the lives of 23 persons by skillfully pancaking the craft to earth where it burst into flames and burned.

The pilot was trying to make an instrument landing through thick rain and fog.

He was one of six persons killed.

All six of the Americans who were reported on the plane escaped with only slight injuries.

They were identified as Mercer B. Barrows, New York City, an employee of the American Express Company and his wife; Lt. Col. John I. Rhea, an Army chaplain, stationed at Heidelberg, Germany; Sgt. Frank Allen and his wife, Melita, and James Ray Abshire, a Navy man.

the most fans. Spike Jones has a musical satire called "It's a Fraud." And it's reported, says Goldman, that Norway, land of lakes and fjords, wants to buy a similar commercial to proclaim, "It's a . . . You finish it, I can't."

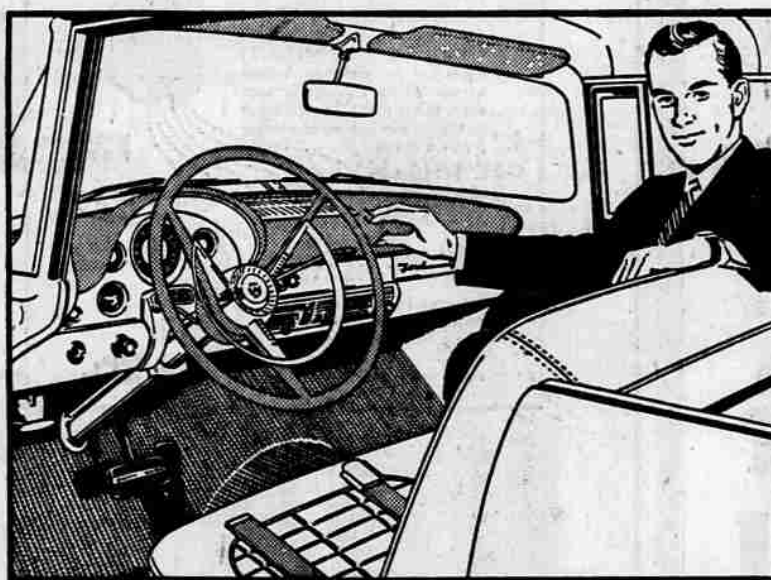


The Ford Thunderbird has set a new standard for fun and beauty in a car. Now all 18 new Ford models share the styling of the Thunderbird. How they stir your heart with their thrilling lines!

The Fairlane Victoria is one of Ford's 18 new Thunderbird-inspired models for '56. You can see Thunderbird beauty in its long, low lines and graceful silhouette.

Drive it today!

'56 FORD...with new 202-h.p. Thunderbird Y-8



4 NEW LIFE GUARD FEATURES—new deep-center steering wheel, new double-grip door locks, optional new padded instrument panel and sun visors, and optional new Ford seat belts.

with new Thunderbird Styling
with new Lifeguard Design

A glance tells you that the '56 Ford has the long, low lines of the fabulous Ford Thunderbird, America's favorite dream car.

But wait till you touch the gas pedal! Then you'll know that Ford goes like the Thunderbird, too. With the new 202-h.p. Thunderbird Y-8 engine, available in Fordomatic Fairlane and Station Wagon models, you'll pass with new confidence, smile at hills. And yet, split-second "GO" is only part of the story, for this new Thunderbird engine is not merely a V-8 . . . it's a Y-8. That means it has a rigid, extra-deep block which makes for smoother, quieter going.

And there's even bigger news! It is Lifeguard Design—the first major contribution to driver and passenger safety in accidents. With the cooperation of leading universities, medical associations

and safety experts, Ford found that most serious accident injuries were caused by the driver being thrown against the steering post, occupants being thrown forward against hard surfaces, or from the car. So, Ford developed a new Lifeguard steering wheel with a deep-center structure to help protect you from the steering post . . . Lifeguard double-grip door locks to give added protection from doors springing open under shock . . . optional Lifeguard cushioning for instrument panel and sun visors, to help lessen injury from impact . . . optional seat belts that help keep occupants securely in their seats.

Come in soon! See the '56 Ford, test its power, and learn what Lifeguard Design means for the greater safety of you and your family. Then you'll know exactly why the '56 Ford is . . .

the fine car at half the fine-car price!



Parklane, luxurious new 6-passenger "wagon" is one of six new Ford Station Wagons for '56.

Customline Tudor and its Fordor companion feature new, distinctively contoured body molding for 1956.

Mainline Fordor is a refreshingly clean-lined beauty as are its "running mates" the Tudor and Business Sedan.

CRATER LAKE MOTORS

MAIN AND FIR STREETS

PHONE 3-4547

GREAT TV, FORD THEATRE, KBES-TV, 9:30 P.M., THURSDAY