

Cancer Research Takes Close Look At Common Mouse

By DELOS SMITH
UPI Science Editor

New York—For the first time cancer research has taken a close look at what cancer does to nature's own mice—the housewives' mice.

For a few years the mice which remained in health were permitted to live for two years before they were subjected to a post-mortem search for cancer. In laboratory mice that approximate the life span, but at two years the mice were flourishing and healthy. Thereafter the mice were allowed to live for two years and six months.

Drs. Anderson and Dunn reported their autopsies of 225 mice of which 88 had a malignant tumor—or tumors. That's a percentage of 39.5, much higher than any of the various calculations of incidence of cancer among human beings.

Of these mouse cancers, 64 per cent appeared in mice who were far past the prime of mouse life. Only one cancer appeared in a quite young mouse and the remaining tumors were spread out over mouse middle years. This has agreement with cancer and age in people.

Lung cancer was the most common cancer among wild mice. It was similar to lung cancer of inbred laboratory mice in which it also is common, but in the latter it usually occurs in multiples whereas in wild mice there was only a single tumor.

In inbred mice, lymphocytic leukemia also is common. There was only one case of it among the wild mice. In inbred mice it may be caused by a virus. The scientists wondered if breeding either increased the susceptibility of mice to the virus or both.

This question they couldn't answer at once, but another question they could and did answer. Viruses which cause leukemia in inbred mice were injected into wild mice and caused leukemia in them, too.

large amount of cancer research is done in mice but these mice are science's animals rather than nature's. They've been selectively bred, crossed and inbred over hundreds of mouse generations in ways that couldn't possibly happen naturally.

In their hereditary chemistry, nature couldn't recognize some of these lines as mice. Some lines are highly susceptible to cancer. Other lines are as highly resistant. The question is, how far are these mice from nature's own as regards cancer?

Drs. Howard B. Anderson and Thelma B. Dunn of the National Cancer Institute, Bethesda, Md., have been seeking the answer for 14 years. They now report that in nature cancer and mice are well acquainted, and apparently much better acquainted than cancer and people are.

Use House Mice

The scientists began in 1947 with 19 freshly captured house mice, 12 females and 6 males, relationships, if any, unknown. In 1951 they added 12 more unknowns from live traps, equally divided between the sexes.

These mice and their progeny then lived in cages for a

Russians to Expand Indocination Plans

New York—An expert on Soviet education says the Soviet Union will expand its policy of enrolling school children in boarding schools where family influences are interdicted until all school children are schooled away from home.

Albert Weeks Jr., instructor on communist theory at New York University's division of general education, says the Russians learned from the 1936 uprisings in Poland and Hungary that workers must be indoctrinated and disciplined from a tender age if disloyalty is to be prevented.

RIDES IN STYLE

Washington—An ambulance rushed to a shopping center Tuesday where a woman had fainted in 90-degree heat. The prostrate woman opened her eyes and asked if the ambulance was air-conditioned. When told it wasn't, she dismissed the drivers with instructions to call "one of those private, air-conditioned ones."

One-Patch Beauty

7064

Enjoy the splendor of Fall colors this year 'round with this brilliant scrap quilt. Maple Leaf quilt, natural for scraps in vivid, tawny reds, greens, golds. Just one patch. Pattern 7064, charts, pattern pieces, directions.

THIRTY-FIVE cents (each) for this pattern—add 10 cents for each pattern for inter-las matting. Send to Alice Brooks, care of Medford Mail Tribune, Needlercraft Dept., P.O. Box 163, Old Chelsea Station, New York 11, N.Y. Print plainly NAME, ADDRESS and PATTERNS NUMBER.

Never-Before Value! 200 designs to knit, croch, sew, weave, embroider, quilt—in our 1962 Needlercraft Catalog. Beautiful Bulkins in a complete fashion section plus bedspreads, toys, linens, afghans, slipcovers, plus 2 free patterns. Send 25c now.

Search for Toledo Woman Continues

Newport, Ore.—Police are continuing a search for Mrs. Lucille Mae Green, 40, missing from her home at nearby Toledo since March 30, and expressed fear she may have met with foul play.

Lincoln County Dist. Atty. A. R. McMullen said laboratory tests have shown that blood found splashed through the bedroom of her home is human blood.

Bedding, the mattress from her bed, and drapes from the bedroom were missing, but officers said all the woman's clothing and her personal belongings were intact.

An investigation by state police and Lincoln county sheriff's officers has spread as far as Seattle, but there has been no indication of whereabouts.

Three Grass Fires Checked by Firemen

State forestry department crews suppressed a 30-acre grass fire on South Pacific White City area Tuesday afternoon.

The fire was back of the Steve Wilson property. Two pumpers and two crews were dispatched.

Medford city firemen put out a 100 by 100-foot grass fire about 8:55 a.m. Wednesday at the Mitchell Brothers Trucking property at 2790 Crater Lake highway. They said the blaze extended from a trash fire.

A small grass fire on a Madoc Orchard company vacant lot was extinguished about 3 p.m. Tuesday by Medford firemen on South Pacific highway at Voorhes railroad crossing.

Retired Pastry Cook Likes Sleeping Late

St. Louis—As a baker, Miss Martha Lix, 70, has reported for work at 5 a.m. for 32 years. Now Miss Lix has retired and says she is enjoying sleeping until 7 in the morning.

Miss Lix has been chief pastry cook at Deaconess hospital here, baking for an average of 225 patients and about 700 employees.

Specialist's Role On Stock Exchange Praised, Criticized

New York—The New York Stock Exchange preliminary report on last month's three big days of trading devolved considerable wordage to a report on the job the specialist's operations and showed that about 85 per cent of the transactions were "primarily stabilizing."

G. Keith Funston, president of the exchange, pointed out it was not impossible for a specialist to change major market trends, but their activities in trading rose sharply in an effort to maintain it on a "continuous and orderly" basis as possible.

In its 1961 annual report, the exchange said a continuing study was made of the specialist's operations and showed that about 85 per cent of the transactions were "primarily stabilizing."

The part played by specialists on the stock exchanges has been both praised and criticized over the years.

Each is assigned a group of stocks listed on the exchange. He keeps a book, which is a strictly confidential record of buy and sell orders which have come to him. Every stock on the exchange has at least one specialist, and some of the more active stocks have several.

The specialist may also act as a broker, handling transactions for other members and customers in his stock or group of stocks, but generally he cannot act as a broker and a dealer in the same transaction.

The NYSE report on the week when volume ballooned to more than 40 million shares, said the specialists substantially. Their participation in recent years averaged about 13 per cent, but it went up to about 20 per cent of the round lot purchases and sales on May 25, the day of a major market break, specialists bought 165,500 shares more than they sold, although they had made heavy net purchases in the preceding week when the market levels were slipping.

Net Sellers

On May 29 the market was down at the start and up at the finish, and specialists ended the day as net sellers of about 129,800. On Thursday, when it went up, they continued as sellers on balance, registering net sales of 905,010 shares.

In recent testimony at a Securities Exchange commission hearing in Washington, Funston explained that any member who is to become a specialist is subject to special training.

He must study a "specialist brief," a booklet with the rules, policies and practices governing his functions, Funston said. When he applies for a position, he is registered as an associate specialist for usually 30 to 90 days, the time being set by the chairman of the exchange.

During this time, on the New York Stock Exchange, he handles "the book," with the record of bids and offers, and makes bids and offers, but he may do so only in the presence and under the guidance of the regular specialist or an approved relief specialist.

After this period of supervised work, the chairman or a floor official gives him an oral examination. If the official finds the results satisfactory, he is registered there as a regular or a relief specialist.

Eagle Point Plans July 4 Activities

Eagle Point—Festivities are being planned in Eagle Point in celebration of the Fourth of July holiday. Beginning the holiday plans will be a quince's ball the evening of July 3. The Harney Beaton-Hall Grow trio will furnish the music.

Eagle Point Jaycees will hold a chuck wagon breakfast beginning at 8 a.m. on the fourth at the Eagle Point Grange park, corner of Main and South B streets.

The parade will form at the high school agriculture grounds at 11:30 a.m. It will begin at noon.

A play day will be sponsored by the Desert Pegasus horse club at the Eagle Point Rodeo grounds, two miles past Eagle Point junction, the James Dunn ranch. This will start at 1 p.m.

Ending festivities will be a barbecue beef dinner, sponsored by Future Farmers of America. This too will be in the Grange park, and dinner will be served during the afternoon and evening.

For Half Sizes

9136
14 1/2-25 1/2

by Marian Martin

EXTRA-EASY to sew, and so pretty, so thrifty, you can afford a wardrobe of cool summer nightgowns. Choose flowery batiste, voile, challis.

Printed Pattern 9136, Half Size 14 1/2, 16 1/2, 18 1/2, 20 1/2, 22 1/2, 24 1/2, 26 1/2. Size 16 1/2 (long) 5 1/4 yards. 35-cent fabric.

FIFTY CENTS in coins for this pattern—add 10 cents for each pattern for inter-las matting. Send to Marian Martin, Medford Mail Tribune, Pattern Dept., 232 West 18th St., New York 11, N.Y. Print plainly NAME, ADDRESS, with SIZE and STYLE NUMBER.

Extra Big Summer Pattern Catalog—over 108 styles for all sizes, occasions. Send 35c.

SHOP IN AIR CONDITIONED COMFORT.... SHOP MONDAY AND FRIDAY EVENINGS 'TIL 9

Captivating Cotton CAPRIS

SPECIAL! 1.77

Tremendous assortment of crisp cotton capris in colorful stripes and solids, richly textured cotton prints in a huge group that includes a creamy soft rayon flannel in pastels. 8 to 18.

Girls' Shorts and Pedal Pushers

SPECIAL! 99c

Girls' shorts, Jamaicas and pedal pushers—in a wide assortment of cotton fabrics—sailcloth, duck, gabardines in summery solids and prints. Sizes 7 to 14.

Ultra-Sheer Mesh Seamless Nylons Sears Price 67c pr. 50 sheer! Reinforced heel and toe mean longer wear. Taupe, beige. Sizes 9-10 1/2.	Spit Basket for Outdoor Barbecue Sears Price \$2.88 Chrome-plated basket keeps food juicy while it is being cooked. 16 1/2 x 9 x 2 1/4-inch size.	Motorized Grills With Large Hood Sears Price \$12.88 Family size grid adjusts for better heat control. Chrome plated grid with 4 forks.	Low-Cost 36x80-In. Screen Doors Sears Price \$11.99 Aluminum frame and screen won't rust. Has crossbar, kickplate. Needs no paint.	Low Priced 50-Ft. Plastic Hose Sears Price 99c 3/8-in. plastic hose—use for washing car, basement, and for occasional watering.	Maid of Honor Clothes Dryer SPECIAL 10.88 Has 1 1/2-inch rust-resistant permastar center post. 28 lines for 4 washer loads.
Enduring 8-Inch Table Fans Sears Price 4.77 Fan tilts for adjustment at spot cooler. 350 CFM. Takes up little space, easy to move.	Complete 4-Racket Badminton Sets Sears Price \$4.99 Laminated wood rackets with nylon strings. Rubber grips. Net, 2 shuttles.	2-Ring Vinyl Inflatable Wading Pools Sears Price 3.97 52-in. diam., 9-in. depth. Soft bump-absorbing vinyl rings. Colorful print shows funny seals playing ig with balls. With maintenance kit. Push-pull valves.	Rugged Steel Wading Pools Sears Price 10.99 Big 72x48x10-in. pool. Easy to assemble—no tools! Has colorful strong vinyl liner.	Web Lawn Chair SPECIAL 3.47 Yes, Sears is the place to buy summer furniture. Chair frame is highly polished, welded aluminum. Heavy colorful webbing.	Complete Pixie Camera Outfit Sears Price \$4.99 Camera with built-in flash takes snapshots and slides. Bulbs, batteries, film.

Now! A Quality Low Priced Portable!

19-in. Silvertone

(19-Inch Overall Diagonal; 172-Sq. In. Viewing Area)

\$99

No Money Down

Dependable Silvertone Reception

- Crisp, clear pictures with natural contrasts.
- Rich, living sound from full-toned speaker.
- Strong chassis assures good local reception.

Sears Gives You More! Uncrated—Inspected Tested—Delivered Set In Place...FREE!

COME IN TODAY!

SEE THE COMPLETE LINE OF SILVERTONE PORTABLE TV'S

Light On Your Feet

Cold Bond Casuals With Extra Thick Lightweight Searfoam Soles, Heels

Sears Low Price... **5.99** "Charge It!"

A new treat for your feet... buoyant Searfoam soles three-quarters of an inch thick. They add spring to your step... feel soft and cushiony underfoot. Supple leather upper in deep brown or black. Sizes 7 1/2 to 12.

Kerrybrooke Leather Barefoot Sandals With Cushion Insoles **2.99**

Fringed T-strap sandal in soft olive leather. Italian ran or bone. 5 to 9. Cross-strap sling sandal in bone or Italian tan. Cork-covered flat wedge heel. Cuts-covered flat wedge heel. Sizes 5 to 9.

JUST SAY "CHARGE IT!"

COOL AND CASUAL Terry Shirts

SEARS LOW PRICE... **1.79**

Easy care white cotton with red and blue stripes. Machine-washable. Stock up. Save. Sizes 6-18.

Large Assortment Swim Trunks

"CHARGE IT!" **1.59**

Sanforized cotton poplin in washfast solid colors and prints. Elastic waistband. Sizes 4-10.

Low, Low Priced House Paint

REDUCED TO... **3.33**

"Charge It!"

Smooths on... brush or roll it with ease. Dries velvety... you'll admire its richness. No painty odor, use it anytime.

Paint and Varnish Thinner **88c** Gallon

JUST SAY "CHARGE IT!"

41" Shop Vacuum FREE!

WHEN YOU BUY CRAFTSMAN 10-INCH RADIAL ARM SAW

REGULAR SEPARATE PRICES TOTAL \$290.99

\$249

No Money Down

On Sears Easy Payment Plan

OUR FINEST RADIAL SAW—HERE'S WHY

- Rip cuts, crosscuts, miters, and bevels.
- Repeats cuts with constant accuracy. Light settings.
- Controls color-coded for easy, fast identification.
- Ball-bearing carriage moves with light pull.
- Built-in switch protects motor from over-heating.
- Electro-safety brake automatically stops blade.
- No stooping to level table; adjusts from the top.
- Listed by Underwriters' Laboratories. In.
- Main power switch locks on, off; removable key.

Raidal Arm Saw Cuts Lumber 2 1/2 inches Thick Laminated hardwood and resin-bonded wood particle table. 1/2x20-thread auxiliary shaft holds chuck for standard shank boring tools. Includes 10-inch Kromedged combination blade with 3/4-inch round center hole.

Heavy-Duty Craftsman Home-Shop Vacuum Drum 27 inches high. Cleans basement, work shop, garage, barber or beauty shop, industrial plant. Includes drum with enclosed motor, 6-foot hose and triangular nozzle. Easy-to-empty fiber drum.

SEARS IN MEDFORD... SOUTHERN OREGON'S LARGEST, MOST COMPLETE DEPARTMENT STORE SEARS

Shop at Sears and Save—Satisfaction Guaranteed or Your Money Back

501 E. Jackson St. STORE HOURS
773-6661
FREE PARKING

SHOP MONDAY & FRIDAY TILL 9 P.M.
DAILY 9:30 TO 5:30 P.M.