

Radioactive Substances Pose Threat

By DELOS SMITH
UPI Science Editor

NEW YORK (UPI) — Certain radioactive substances and chemical compounds when put into female muscles or blood streams end up in close proximity to the

eggs from which spring human lives. This new scientific find is basic in science's worries over the inherited make-ups of future generations because today's parents are subjected to radiation and

chemical hazards their own progenitors never had. Science already knew for facts that (1) radioactive substances and some chemicals will cause germ cells to "mutate" or change and (2) those substances get into human bodies. But it didn't know for sure until now that they get to the reproductive chemistry even when they enter bodies in places remote from that chemistry.

Drs. Kurt N. von Kaula, Jerry K. Aikawa, and John D. Pettigrew of the University of Colorado School of Medicine, Denver, provided this missing link in precise scientific knowledge through relatively simple and harmless experiments in 29 female bodies. These women were undergoing hysterectomies for compelling medical reasons, which meant their reproductive tracts were exposed surgically. Before surgery, one or more of the following substances was put into their bodies, either by injection into a vein or muscle or by mouth:

The radioactive isotope, iodine-131; human gamma globulin "tagged" with iodine-131; surgical medications "tagged" with the radioactive isotopes, carbon-14 or mercury-203. Medications included the tranquilizing drug, meprobamate, and penicillin.

During surgery, samples were taken of the fluid of the cells which surround the egg-producing organs and through which eggs pass. In all cases, the injected and mouth-taken substances were present. Indeed, there was some suggestion that they were "concentrated."

There was no suggestion that either meprobamate or penicillin is capable of causing germ cells to mutate. Neither have that power. But some chemical compounds do have that power, and there is no doubt of radiation either from X-rays or the "fall-out" from atomic explosions, having that power.

The scientists reported to the international technical journal, "Nature," that their studies "suggested" the human egg is "exposed" to therapeutic agents introduced into the general circulation. They said they did not know whether drugs present within the ovarian fluid could do harm to the egg.

But they're going to find out. They said they were currently trying to show whether the substances conveyed to the fluid "actually" penetrate into the egg proper.

PREMIUM STAMPS STOLEN
SAN JOSE, Calif. (AP)—After an accounting check, the Mayfair Market reported today a burglar got away with \$20 in cash and 480,000 trading stamps. If and when the burglar gets the stamps pasted into 400 consumer books, he could trade them for \$1,200 worth of premiums.

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Oxford Grad Compiles Book On Biggest, Mostest

LONDON — The party's running dull and you can't think of a thing to say...

Come up with a morsel like this to keep the conversation flowing: "The biggest single dish ever eaten at any banquet is whole roast camel."

Norris McWhirter, a youthful Oxford graduate in economics, has put together almost everything he believes a waiting world should know about.

The largest, deepest, smallest, fastest, oldest, richest, shortest, newest, longest, thinnest, highest, lightest, poorest, fattest, slowest, tallest, loudest, etc.

McWhirter's "mostest" book is called the Guinness Book of Records.

So you want to know how to prepare the roast whole camel:

Cook eggs. Stuff eggs into fish. Cook fish. Stuff fish into cooked chickens. Stuff cooked chickens into roasted sheep. Stuff roasted sheep carcass into a whole camel. Cook to taste. The Bedouins do it at wedding feasts.

And any lovely girl would be overwhelmed if you told her she is as sweet as l-proxy-2-amino-4-nitro-benzene. It's the sweetest thing in the world, more than 5,600 times as sweet as 1 per cent sucrose.

Or you can amaze your friends by informing them the longest railroad platform in Sonepur, India, is 2,415 feet long.

Over The Garden Gate

TULELAKE—Mrs. Harry Rinabarger is chairman of the 1958 Tulelake Garden Club Holiday Show to be held December 5 and 6 at the Tulelake Fairgrounds.

Theme of the fifth annual show, "Reflections," is planned to bring warmth, light, reverence, radiance and memories to those who view the entries. A silver tea is planned during the show hours which will be 2 to 8 p.m.

Mrs. Rinabarger is being assisted by Mrs. Ted Fish, schedule chairman; Mrs. Earl McFall, staging chairman; Mrs. William Hooper, publicity; Mrs. Harold Schweitzer, entries; Mrs. Chester Main, classification; Mrs. E. Webb Bowen, hospitality; Mrs. Schweitzer, judge, and Mrs. Don Hurlburt, junior exhibits.

In the decorative section entries are open for door swags and wreaths; indoor wreaths and garlands including dry wreaths, dry plaques, garlands with fresh material and ornaments or garlands with dry material.

In the novice division for those competing for the first time or those who have never won an award are two divisions, "Shining Hour," a dining table centerpiece and "Colorama," candles, and or-balls with fresh plant material.

Amateurs who have won one or more awards have a wide scope for entries: Light in My Window, one homemade candle with fresh material; Glowing, three or more candles with fresh plant material; Christmas Story, tell it your own way; Reverence, featuring Madonna and Child; Brilliance, one or more crystal goblets, any size with any material; Crystal Clear, beauty in an evergreen; Memories, featuring a Christmas treasure.

Lamp-light, lamp or lantern, material optional; Happy Thought, coffee table, fresh plant material.

any ornaments: Radiance, for the buffet; Festivity, dining table centerpiece; Little Jewel, something small, not over eight inches, anything goes; Bright Ideas, your Christmas creations a main feature; Twinkle, small tree, not over 24 inches high; Ambrosia, homemade food in a basket; Heavenly Days, homemade goodies.

Advanced amateurs, those who have won more than average awards, teachers, judges, student judges or other interested competitors may enter interpretive designs, Crystal Gazing, Celebration and Serenity; special purpose, Reflections, a design for the Christmas table and Plaque.

A display of decorative uses of dried plant material and entries on making Christmas safe by fireproofing is open to competition.

Horticulture exhibits will include house plants, berried branches, collections, forced bulbs, planters, terrariums, heliochrous, mahonia, and collections of evergreens in one container.

Junior division entries will be open for children from kindergarten through the eighth grade as follows: Kindergarten, first and second grade boys, tree ornaments; kindergarten, first grade, girls, tree ornament; kindergarten, first, second, third grade boys and girls, party favor.

Second, third, fourth grade girls, Santa; third, fourth, fifth grade boys, pine cone tree; fourth, fifth grade boys and girls, swag; sixth, seventh, eighth grade boys, Christmas tree, not over 12 inches; sixth, seventh, eighth grade boys and girls, wreath; fifth, sixth grade girls, homemade angel, and seventh, eighth grade girls, small arrangement.

Entries will be received from 11 a.m. to 2 p.m. Friday, December 5. Judging will be at 2 p.m.

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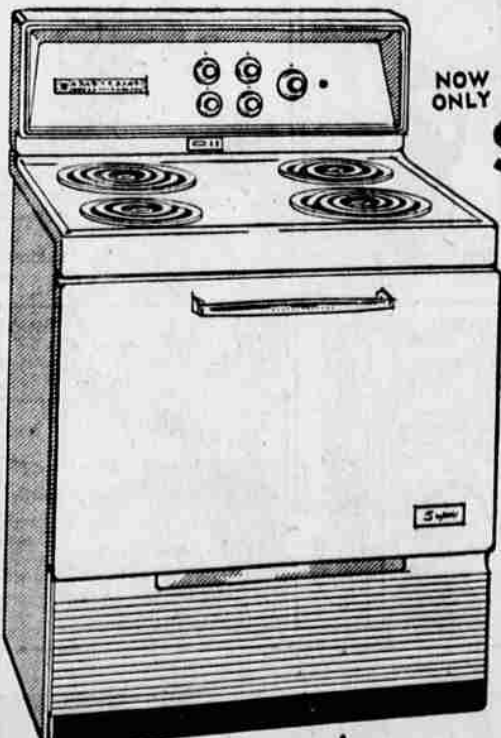
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