Scientific Tests Support Theory That Shock Sets Emotion Pattern

By DELOS SMITH
United Press Science Editor

New York —(U.P.)— Scientific experiment has produced some support for the popular theory that emotional shock to the mother can establish the emotional pattern her child will have after it is born.

The experiment was with laboratory rats, since no one can experiment with human beings this way. Dr. William R. Thompson began by conditioning five female rats so they could be frightened in a standard manner.

This was done in a two-compartment shuttle box. A buzzer sounded, then an electric current coursed through the floor of the compartment containing the rats.

So the rats learned that the buzzer meant that they were about to be shocked. But they also learned they could avoid shock by pushing a door open and going into the second compartment when the buzzer sounded.

After they had become pregnant, the five females were returned to the shock compartment and five other pregnant females were put to peaceful living in a comfortable cage, to serve as controls.

Current Shut Off

Three times a day during their pregnancies, the buzzer sounded. But now the door to the other compartment was locked. There was no escape. The electric current was shut off—there was no shock either. This was calculated to produce purely emotional shock in the rats.

In due course, these experimental rats and the control rats brought forth their young. Thirty off-spring of the former were tested against 30 off-spring of the latter, first when they were 30 to 40 days old and again when they were 130 to 140 days old.

These tests were to measure how active the young dared to be in the rat world. One test measured activity without stimulation. The second measured how long it took them to leave their home cages and go along an alley to food, after they had had nothing to eat for 24 hours.

Low activity and much timidity and hestitancy in getting to food were taken to be indications of "high emotionality"—of baby rats who were suffering from ingrained fright resulting from shock. Necessarily for scientific appraising, the measuring was done statistically.

Spectacular Differences

The results showed that the off-spring of the shocked mothers were much less active and took much longer to get to food than the off-spring of the unshocked. These differences were rather spectacular 30 to 40 days after birth, and still were "significant" 130 to 140 days afterward.

Thompson said in his report to the American Association for the Advancement of Science that the experiment gave "some grounds for supposing that prenatal maternal anxiety does actually increase the emotionality of the offspring." He specified that he suggested this "tentatively," pending "further experimentation."

The way it would work if it does work is that emotional shock causes the mother's regulating lands to release an oversupply of hormones which reach the unborn through the maternal-fetal blood exchange and condition the unborn's glands to under-produce.

Thompson conducted his experiments at Queens University, Kingston, Ont. He is now on the faculty of Wesleyan University, Middletown, Conn.

Around Hollywood

By ALINE MOSBY
United Press Correspondent

Hollywood — (U.P.) — Only in Hollywood Department: Some movie queens have to store their Easter bonnets in the refrigerator.

Aline Mosby

Heads often are bare in this sunshiny land, but this time of year the ladies borrow some elegance from eastern cities and blossom out in bonnets. And this season they're going in for a new sensation—hats made of real flowers.

If the bees follow Jane Russell into church next Sunday, it's because her huge natural straw floppy sailor hat will be covered with real daffodils, white daisies and blue cornflowers—a $42.50 number.

Whiting Sisters Outfitted

Easter Day Margaret Whiting will wear a pink hat covered with huge pink cabbage roses, the kind ants like. Sister Barbara Whiting's Easter bonnet will be a small sailor hat trimmed with white daisies.

Barbara Hale and Barbara Lawrence also will go to church in real blossoms—pink cabbage roses on dark green small hats.

These bonnets are the brainchild of a creative florist, Stanley Medeiros. He wins notices each Christmas by whipping up yule trees of velvet and jewels for movie stars. Come Easter his Beverly Hills shop is a-flutter with celebrities and rich ladies from Texas buying the hats he makes of real flowers.

Refrigeration Necessary

"They smell nice, look real and last for three or four days if kept in the refrigerator," declared the florist. "And they're much smarter to wear than corsages that just leave holes in dresses."

Any female desiring a live bonnet can take an old hat to her florist for trimming, he advises. Between wearings the hat should be sprinkled with water or wrapped in oil and popped into the refrigerator.

Other real flower hats he's made for film folk at $27.50 up include a huge pink picture hat trimmed with violets and red roses and a tiny pink chiffon hat with a big bunch of lilacs trailing down one side.

Laughs of the Day . . .

Rutland, Vt. —(U.P.)— Prospective jurors in a highway accident case were asked by Attorney Frederic J. Delaney Jr. whether any of them had ever been involved in a traffic mishap.

"I have," said one. "I knocked a boy off a scooter."

"Yes," chimed in another, "and that was my boy on the scooter."

Both were excused.

Grand Rapids, Mich.—(U.P.)—Henry Johnson told police that someone broke into his home and took only one item—a piece of apple pie.

Newington, Conn. — (U.P.) — Jose Gonsales volunteered when a judge asked if there was anyone available who could speak Spanish, but he had to be relieved as an interpreter because of a technicality — he couldn't speak English.

Portland, Me. — (U.P.) — A policeman sought refuge in St. Joseph's Catholic Church after losing his trousers in a tussle with two dogs that attacked him.

Greenfield, Mass.—(U.P.)—The same day that Mrs. Anne Van Tassell was appointed as Greenfield's first woman dog officer, her pet boxer had a litter of 11 pups.

Salt Lake City—(U.P.)—After a new police ambulance had been serviced and declared ready for use, officers checked it out, picked up an injured pedestrian, carried him one block when the vehicle konked out. They hastily called for the old ambulance.

Jackson, Mich.—(U.P.)—A vital motion hit a snag when Roy Flewelling of Hanover Township, substituting for an absent member of the County Board of Supervisors, absentmindedly voted "no" on a routine motion to allow the supervisors their pay for the day. Other supervisors quickly set him straight, and the vote was made unanimous.

Suffield, Conn.—(U.P.)—George Creelman had reason to wonder whether dog is man's best friend. Creelman was in a friendly wrestling match with a visitor when the former's collie attacked. Creelman had to pay $291 damages.

Portland, Me. —(U.P.)— "Look dear," Blaine Davis cautioned his little daughter, "just put the lollipop in your mouth and suck it. Don't bite down on it like this . . ." Davis suddenly was minus a tooth.

Salt Lake City—(U.P.)—After an over-parked but unticketed auto pulled away from a city parking meter, police found an engraved card taped to the meter reading: "To thank you for your kindness and sympathy at a time when it was deeply appreciated."

FIRST 100 HARDEST

Buxton, Me. —(U.P.)— Samuel B. Shepard, president of the Saco River Telegraph Co., celebrated his 100th birthday today. Asked about retirement, he replied "I'm too young."

LEGAL NOTICES

NOTICE OF SALE OF REAL PROPERTY
IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR THE COUNTY OF JACKSON
PROBATE DEPARTMENT

In the Matter of the Estate of Caroline Thomason, deceased.

NOTICE IS HEREBY GIVEN that the undersigned, F. E. Poole, the duly appointed, qualified and acting Administrator of the above entitled estate, under and by virtue of an order duly and regularly made, rendered and entered by the Circuit Court of the County of Jackson, State of Oregon, under date of March 25, 1957, licensing,empowering and ordering him so to do, will offer for sale and will sell at private sale at the office of Roberts, Kellington & Branchfield, Attorneys at law, Rooms 201-5 U.S. National Bank Bldg., Medford, Oregon, on and after April 25, 1957, for cash in hand and subject to the further order and confirmation of said Circuit Court, all of the right, title, estate, lien and interest that he as such Administrator or said estate has in and to the following described premises, lying and being situate in the County of Jackson, State of Oregon, to-wit:

Lot 3 in Block 23 of the Town of Butte Falls, Oregon, according to the official plat thereof, now of record.

Subject to any and all roads, rights of way and easements of record, visible on the ground or established by usage.

Together with all and singular the tenements, hereditaments and appurtenances hereunto belonging.

Dated this 27th day of March, 1957.

F. E.Poole
Administrator

NOTICE OF SPECIAL ELECTION

Notice is hereby given that there shall be a special election held on May 22, 1957, for the purpose of submitting to the registered voters residing within that certain territory contiguous to the City of Medford, Oregon, and particularly described as follows, to-wit:

Beginning at the present city limits boundary of the City of Medford, Jackson County, Oregon, on the north line of Lot 16, Wortman Gore Addition to the City of Medford, Jackson County, Oregon, at a point where the westerly line of Pacific Highway 99 intersects the north line of said Lot 16; thence following the westertly line of the said Pacific Highway 99 to its intersection with the south line of Berrydale Subdivision, being on the south line of Donation Land Claim No. 60, in Township 37 South, Range 2 West of the Willamette Meridian; thence west on the south line of said subdivision and said Donation Land Claim to its intersection with the west line of Lynn Street; thence north along the west line of Lynn Street to a point which is 300 feet from, when measured at right angles to, the center line of Pacific Highway 99; thence along a line parallel to and 300 feet distant from said center line of the said highway to an intersection with a line parallel to, and 407.34 feet south of, the center line of Berrydale Avenue; thence west 50 feet, more or less, to the west line of Section 13, Township 37 South, Range 2 West of the Willamette Meridian; thence N 89° 55' W 161.7 feet; thence N 45° 42' W 222.61 feet to intersect the easterly line of the Southern Pacific Railroad; thence N 35° 8' W along the easterly line of the Railroad 413.8 feet; thence N 27° 28' E 84.21 feet to intersect the southwesterly line of the said Pacific Highway at a point N 62° 35' W 586.4 feet from the east line of Section 14, Township 37 South, Range 2 West of the Willamette Meridian; thence continuing N 27° 28' E across the said Pacific Highway to a point 18 feet from, when measured at right angles to, the northeasterly line of said highway; thence following said highway parallel to, and 18 feet distant westerly from, the easterly right of way line to a point N 35° 8' W 544.19 feet from the north line of Section 14, Township 37 South, Range 2 West of the Willamette Meridian; thence east 1,083 feet; thence south 445.02 feet to the north line of said Section 14; thence east along the north lines of said Section 14 and Section 13, same township and range, to an intersection with the east line of Howard Avenue; thence north along the east line of Howard Avenue to the northwest Ell corner of Lot 9, Enoch Walker Place; thence east 220.86 feet; thence S 2° 20' E 408.32 feet to the north line of Mace Subdivision at a point 239.35 feet east of the east line of Howard Avenue; thence east along the north lines of Lots 5, 2, and 1, Mace Subdivision, to the west line of the old Pacific Highway (now Merriman Road); thence crossing Merriman Road in an easterly direction to the northwest corner of Lot 4, Midway Subdivision; thence following the north line of Midway Subdivision to a point 250 feet from, when measured at right angles to, the center line of Merriman Road; thence southeasterly parallel to, and 250 feet distant from, the center line of Merriman Road to intersect a point 274.6 feet north of the north line of Donation Land Claim No. 60; thence east parallel to, and 274.6 feet distant from, the north line of Donation Land Claim No. 60 to a point 274.6 feet from the southwest corner of Lot 28, Enoch Walker Place; thence south 274.6 feet to the southwest corner of Lot 28, Enoch Walker Place; thence easterly on the south line of Donation Land Claim No. 59 to the west line of Biddle Road; thence southerly along said westerly right of way line and its projection across Crater Lake Highway to its intersection with the easterly right of way line of Crater Lake Highway; thence northeasterly along said easterly right of way line to its intersection with the easterly line of Biddle Road; thence southerly along said easterly line of Biddle Road to its intersection with the north line of Donation Land Claim No. 40, Township 37 South, Range 2 West of the Willamette Meridian; thence westerly along said north line of said Donation Land Claim No. 40 to the west line of Section 18, in said township and range; thence southerly along the west line of said Section 18 to a point 656.8 feet south of the northeast corner of Donation Land Claim No. 61, Township 37 South, Range 2 West of the Willamette Meridian; thence west 1,226.6 feet to the easterly right of way line of the Crater Lake Highway; thence southwesterly and southerly along the easterly right of way line of Crater Lake Highway to its intersection with the easterly line of the Pacific Highway (Riverside Avenue); thence southeasterly along the easterly right of way line of the Pacific Highway (Riverside Avenue) to the existing city limits at a point N 26° 40' W 311.1 feet from the center line of McAndrews Road; thence following the existing city limits line to the point of beginning as follows: S 26° 40' E along the east line of Riverside Avenue a distance of 311.1 feet to the center line of McAndrews Road; thence westerly along the center line of McAndrews Road across Riverside Avenue to the westerly line of said Riverside Avenue; thence northerly along the westerly line of Riverside Avenue to the northerly line of Ohio Street; thence westerly along the northerly line of Ohio Street to the west line of said Donation Land Claim No. 61; thence northerly along the said west line of said Donation Land Claim to the most northerly corner of the Wortman Gore Addition, said point being N 0° 2' W 966.24 feet from the southwest corner of said Donation Land Claim No. 61; thence S 53° 30' W along the northerly line of the Wortman Gore Addition to the point of beginning.

The question of annexing the said territory to the said City of Medford, Oregon, and the said registered voters are hereby invited to vote upon said annexation at said election. The polls for said election shall be open between the hours of 8:00 o'clock A.M. and 8:00 o'clock P.M. on the date above specified. The said territory is designated as a single voting precinct for the said election and the polling place therein is at the Gymnasium of the Howard School in said territory.

By direction of the City Council of the City of Medford ,Oregon.

D. F. Huson
City Recorder

LEGAL NOTICES

FILE NO. 10018
NOTICE TO CREDITORS
IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR JACKSON COUNTY
PROBATE DEPARTMENT

In the Matter of the Estate of
OTTO H. PALMER
Deceased

The undersigned, having been appointed Executor of the above entitled estate by the Circuit Court of the County of Jackson, State of Oregon, and having qualified, notice is hereby given to all persons having claims against said estate to present them at the office of the undersigned's Attorney, at 230 Main Street, Medford, Oregon, properly verified and with proper voucher, within six months from the date of the first publication of this notice, which is the 27th day of March 1957.

FLOYD PALMER
Executor

O. H. Bengtson
Attorney for Estate
230 West Main Street
Medford, Oregon

NOTICE TO CREDITORS

In the Circuit Court of the State of Oregon for Jackson County, Probate Department.

In the Matter of the Estate of Minnie M. Marsh, Deceased No. 10032.

NOTICE IS HEREBY GIVEN that the undersigned has been appointed and qualified as executor of the said estate of Minnie M. Marsh, Deceased, and all persons having claims against said estate are hereby notified to present the same with proper vouchers, at the Medford Branch of The First National Bank of Portland, Oregon, 1 East Main Street, Medford, Oregon, within six months from the date hereof.

Dated and first published this 10th day of April, 1957.

THE FIRST NATIONAL BANK OF PORTLAND, OREGON
Executor

KENNETH G. DENMAN,
Attorney for Executor

NOTICE
No. 9877
IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR JACKSON COUNTY
IN THE MATTER OF THE ESTATE OF WINNIE GUNNING, deceased

NOTICE IS HEREBY GIVEN that the undersigned executrix of the above estate has filed herein her final report and account and that Monday, May 13, 1957, at 9:30 o'clock a.m. at the courthouse in the city of Medford in said county, has been fixed by the above named court as the time and place for hearing objections to said final report and account and for the examination and allowance thereof.

Dated and first published this 10th day of April, 1957.

MILDRED I. DEVOE, executrix
NEFF FROHNMAYER & LOWRY
Attorneys for executrix

NOTICE TO CREDITORS

Notice is hereby given that I have been appointed by the Circuit Court of the State of Oregon for Jackson County, Administrator of the estate of Cora B. Morgan, deceased, and have qualified. All persons having claims against the estate of said decedent are hereby notified to present them with proper vouches duly verified to me at the office of Skyrman, Ouellette & Heisel, attorneys, Room 418, Medical Center Building in Medford, Oregon, within six months from the date of this notice.

Dated and first published March 27, 1957.

SILAS B. MORGAN
Administrator

Skyrman, Ouellette & Heisel
Attorneys for Administrator

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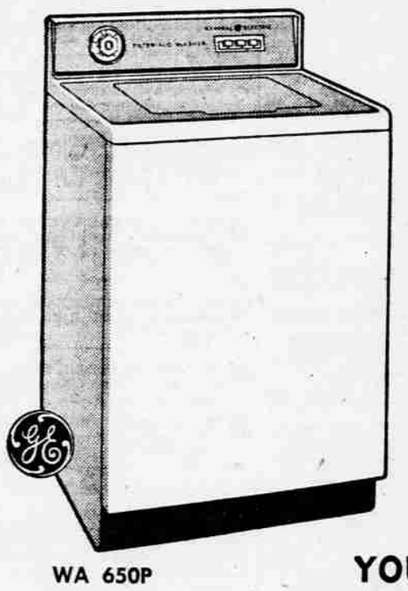
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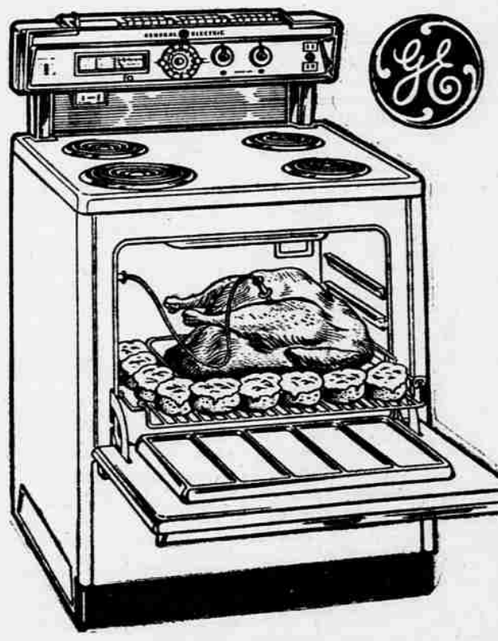

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