

'Monkey Shines' Backfire on Lab Animals

By WALTER C. EVA
Seattle — A University of Washington researcher is conducting "split-brain" surgery on monkeys and he hopes his research will answer some questions which have baffled scientists for centuries.

Dr. Mitchell Glickstein says the split-brain technique has the effect of endowing the monkey with two brains that can operate independently of each other.

By severing the corpus callosum, a bundle of nerve fibers which connect the two halves of the brain, Glickstein has found that each hand can be taught different behavior patterns. What one hand is able to do the other is unable.

The implications for advancing the body of knowledge about brain function are considerable.

No Clear-Cut Function
"Most of the brain has no clear-cut function that we know of," Glickstein said. "We know roughly that certain areas are responsible for motor function, and touch, visual and auditory sensations."

"However, we know very little about how these areas communicate with each other — for example, how the eye and the hand work together beautifully in millions of ways."

Glickstein said the comparison of the brain to a network of telephone wires has proven to be of little value in understanding the brain's actual function.

To study the coordination of the eye and the hand in the monkey, Glickstein severed another bundle of nerves, the optic chiasm, which transports sight sensations from the eye to the opposite side of the brain. In this way, the picture that one eye sees will go to that side of the brain only.

To Perform Tricks
With these two bundles of nerves bisected, Glickstein said, the animal will still be able to perform certain tricks which it had learned previously. But now, if the prefrontal areas of the brain are also removed, the monkey loses the ability to do these tasks, he added.

Apparently, the monkey forgets how to perform the tricks, leading to the conclusion that the prefrontal areas are somehow involved in the memory of experiences which require coordination of the hand and the eye, he said.

Glickstein said if one prefrontal area is removed, the animal will be able to master the task provided the eye on the intact side if the brain is permitted to see how it is done, but not if that eye is covered.

Travel-Talk Given At VA Domiciliary
The final travel-talk in the 1962-63 series sponsored by the American Red Cross at the Veterans Administration Domiciliary, White City, was given earlier this week by Mrs. Clarence Miller of Medford, in the Domiciliary theatre.

The talk, illustrated by color slides, described the trip taken two years ago by Mr. and Mrs. Miller, Miller teaches at Crater High school. The Millers were joined by their daughter, Carolyn, in London, from where they toured England, Scotland, Wales and Ireland by car.

Camping out most of the time, the Millers were able to visit and photograph places not on the usual tourist itinerary. Among the more famous places shown were the Shakespearean theater and Ann Hathaway's cottage at Stratford-on-Avon, William Wordsworth's cottage in the English Lake country, and Tara, the ruined stronghold of Ireland's ancient kings.

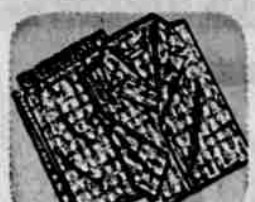
The Millers went to Ostend, Belgium, and from there to Holland where they visited Edam and Delft.

Following the talk refreshments were served. Those helping in the serving included Mrs. Leatha Jones of the American Red Cross and Miss Enid A. Holmes, chief librarian at the Domiciliary, who announced that a new series of travel-talks will begin next fall.

Perahera Festival Observed in Ceylon

New York — Buddhists from all parts of the world flock to the city of Kandy in Ceylon for the festival of Perahera in August, says Pan American World Airways.

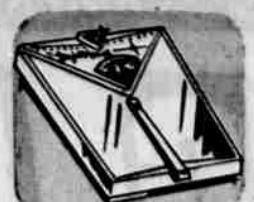
On this occasion a tooth, reputed to have been one of Lord Buddha's, is taken from a temple, placed in a golden casket and paraded through the streets on the back of an elephant, the airline says.



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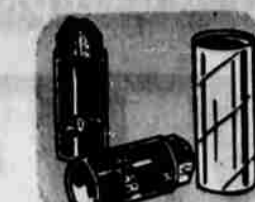
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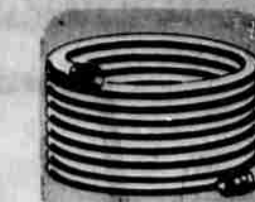
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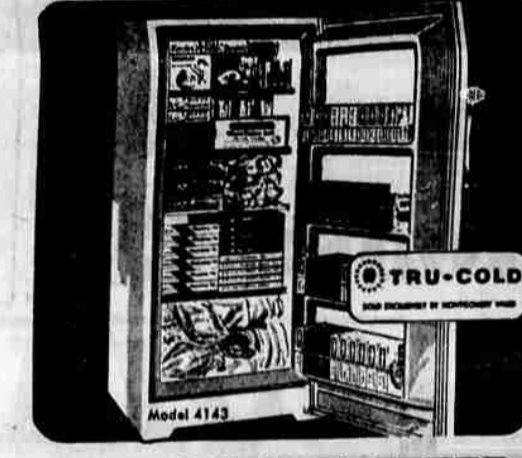
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