

Monkeys Capable Of Giving Data To Another Monkey

Madison, Wis. — (Science Service) — Although monkeys cannot talk, one monkey is able to communicate vital information to another monkey. This was demonstrated scientifically at the University of Wisconsin here.

The monkey gave out his speech to share his knowledge just how he accomplished it has not yet been explained. The results of the experiment showing that information is conveyed are reported in the scientific journal *Science* by Dr. William A. Mason, professor of Psychology at the University of Wisconsin. The study was made at the Yerkes Laboratories of Primate Biology, Orange Park, Fla. When he plans to repeat the experiment with chimpanzees. Worked in Pairs

In Dr. Mason's experiment, 18-month-old rhesus monkeys worked in pairs. One was placed in one of a number of food carts mounted on fixed runways on a table between the cages of the two monkeys. One animal of each pair, called by Dr. Mason the "operator" had to pull in the loaded cart and then both animals were rewarded by the tasty morsels. During the trial, the food containers were so arranged that the operator could not see the food but his partner, the "informant," could. If the informant did not pass on this information to the operator, success in pulling in the right cart was reduced to the level of chance. Then neither animal could eat much.

Signs Observed
The informant did not give the information to his partner in any spoken language, Dr. Mason told Science Service. Gestures were observed but were not recorded in this preliminary experiment. Barks and calls were also observed. One way the informant got across the information to his partner was by positioning his body opposite the food-loaded cart. The informant's position gave the operator the clue he needed and he pulled in the right cart. Then both animals ate.

To make sure that the operator was not acting on some cue other than those given him by his partner, each operator was given 48 control trials when the informant was not present. For every operator, without the help of the informant, performance dropped to chance levels.

After 480 trials, the operator and informant roles were reversed and the operator became the informant, the informant became operator. Although performance, at the start of this second phase of the experiment was somewhat better than it had been at the beginning of the first phase of the experiment, the improvement was not statistically significant.

Castro Attacked By Newspapers

Havana — Premier Fidel Castro was under an unprecedented heavy attack from major independent Havana newspapers Wednesday for his denunciations of the Cuban press and newsmen who criticized his regime.

It was the first time since Castro led his revolutionary forces into power last Jan. 1 that the press has openly taken such strong exceptions to his remarks.

The war of words was touched off by Castro's criticisms during a long nationwide television appearance Monday night.

There were rumors that the Havana newspaper *Diario de la Marina* would suspend publication because of the attack by Castro. But spokesmen said the newspaper would publish today and carry a full reply to Castro charges.

Longest Aluminum Pipe Laid in Venezuela

Houston, Texas (Science Service) — What is probably the longest aluminum pipe ever made will be laid in Lake Maracaibo, Venezuela, as a suction line for a fire protection pump. The pipe, 16 inches in diameter and 1,800 feet long, will have a normal capacity of 2,000 gallons of water a minute. This water will be delivered to a fire protection system on a tank farm of the Superior Oil Company. Aluminum was chosen because its corrosion resistance permits installation without a protective coating or wrapping. The Reynolds Metals Company here will supply 25,700 pounds of alloy aluminum for the pipe.

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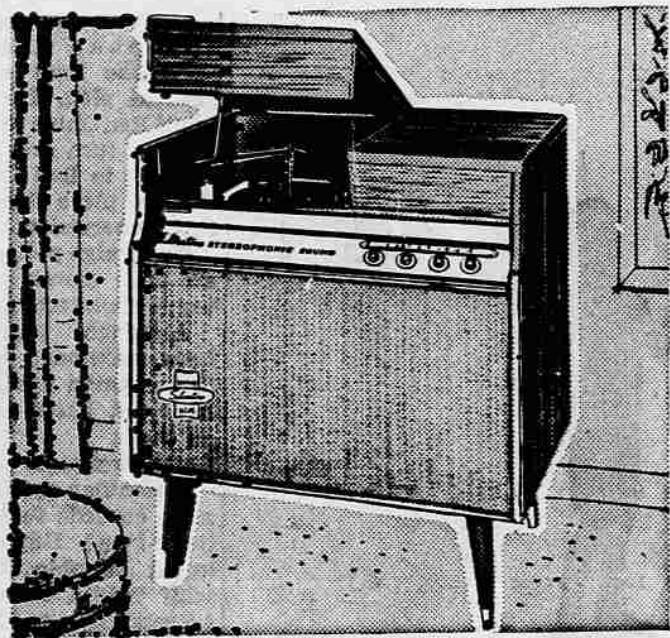
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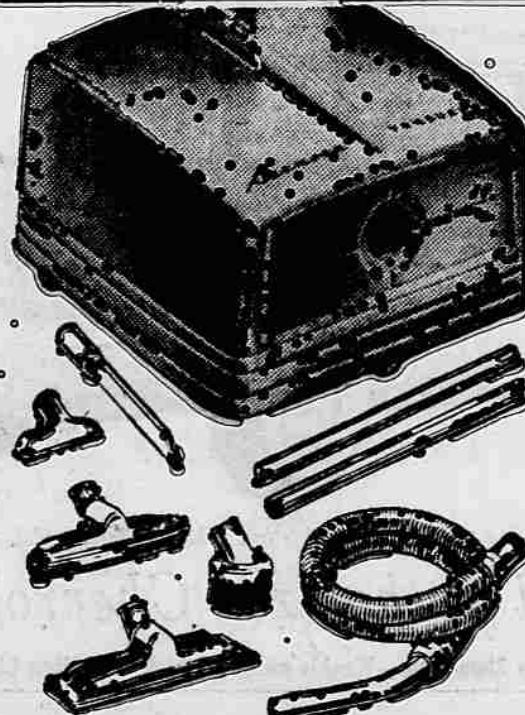
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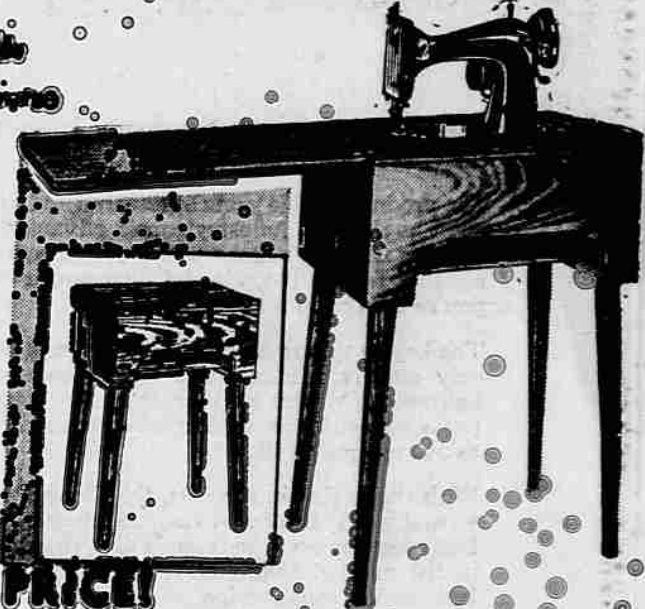
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