



'Brain Child'—Will It Work?

This schematic model, studded with 30,000 tiny light bulbs, was built to show how the human brain becomes aware of everyday sights and sounds, compares them with previous experiences and decides how to react. Dr. A. G. MacLeod, scientific coordinator of the project, is shown here with his "brain child." (Special Photo)

## Does Brain's Size, Shape Determine Intelligence?

Special to The Battalion  
The size of your brain may have less to do with your intelligence than the shape it's in.

Did you know that a man's brain weighs more than a woman's? That 'idiots' may have larger brains than geniuses?

There are but a few of the odd facts about the most complex of all living organisms—a fantastically arranged mass of thought centers and nerve fibers made up of billions of microscopic cells.

In an average male adult, the brain weighs about three pounds; in a woman a few ounces less. The mere weight of the organ, however, isn't a reliable index of intelligence.

Baron Cuvier, a French scientist of a century ago, had a brain that weighed nearly four pounds. But his compatriot Anatole France, a 19th century novelist, had "greater insight" although his brain weighed only two and one-half pounds, according to Professor Norman J. Berril of McGill University.

Based on its anatomical structure, the brain has been compared to such diverse things as a telephone switchboard and a mushroom on a stalk. Anatomical models make it possible to study this structure in accurate detail, but science still has much to learn

about how the brain works.

New information in this area was summed up recently in a gigantic electronic model developed by a company in Kalamazoo, Mich. Designed for the edification of physicians, the model shows how the brain reacts to everyday sights and sounds and then "files" the information for future reference.

Without attempting to reproduce actual physical shape and appearance, the model shows that the cerebrum—the largest division of the brain—is divided into two hemispheres or halves, each of which controls activities on the opposite side of the body.

That's why an injury to the left hemisphere may paralyze the right side of the body. It also explains why only six persons out of 100 are left-handed; in the other 94 the left hemisphere of the brain is dominant.

Research into the structure of the brain and how it works is vital to an understanding of why so many persons become mentally ill and to discover new and better ways to help them.

At this moment it's estimated that one person in 20 has some serious mental or nervous disorder, and that one person in 10 will be hospitalized sometime during his lifetime because of a mental

breakdown.

Mental illness may wear many faces, but one of the most frequent types is depression—an intense and long-lasting feeling of sadness. Depression is one of the commonest of all illnesses, Dr. H. Bruce Sloan, head of the Department of Psychiatry at Queen's University in Ontario told a recent symposium on depression.

## Highway Institute Studies Freeways

Safer freeway interchanges and accident analysis studies for improving Texas' superhighways are subjects of research by engineers at the Texas Transportation Institute.

Just published in Highway Research Board Bulletin 291, the two studies were originally presented at the 40th annual Highway Research Board meeting.

Donald G. Cappellet and Charles Pinnell of the Texas Transportation Institute prepared a report on traffic performance at freeway approach ramps to evaluate the capacity of signalized diamond interchanges.

## Engineering Fund Named For Spence

A permanent fund for engineering students has been established in the name of Thomas Reese Spence, who recently retired as manager of physical plants for A&M.

Income from the fund will provide an annual "T. R. Spence Award" to an outstanding engineering student of the college. E. E. McQuillen, executive director of the Development Fund Office, said.

The trust fund agreement states that the fund is established "as a tribute" and as "evidence of the high regard and respect in which he is held by the professional engineers who worked with him."

Spence had supervised all construction work on the campus since 1944. He graduated from A&M in 1913 and entered private engineering work until he returned here in 1938.

Spence's father, David Wendell Spence, came to A&M as an assistant professor in 1892, became dean of engineering and professor of civil engineering in 1913, and served as dean until his death in 1917.

LOU WILL BUY ALL BOOKS THAT WILL BE USED NEXT SEMESTER  
**LOUPOT'S**

## MacMillan Sees Progress In Negotiations On Berlin

LONDON (AP) — Prime Minister Harold Macmillan said yesterday the Western powers are making progress in hammering out a unified negotiating position on Berlin.

At the same time, diplomatic sources pictured a Soviet proposal on Berlin floated in Moscow last week as designed to lure the Western powers into a weak bargaining position.

Macmillan told the House of Commons: "I am very hopeful we shall get an agreed Western position. At that point, negotiations in one form or another, at one level or another can begin, but I do not think it would be helpful if I were to go into details."

The prime minister declined to let laborites draw him into a discussion of the Moscow proposal. He agreed with labor leader Hugh Gaitskell that "these recent developments are helpful" but did not go into detail.

Considerable mystery still clings to all the circumstances surrounding the floating of the Soviet plan. Diplomatic informants in London said that, basically, Premier Khrushchev sought to get the Western powers involved in bargaining on West Berlin's future on the basis of the Soviet Union's own terms.

This explains why the ghost

plan was knocked down so hard in London and Washington, the informants said.

The proposals which Khrushchev tried to sell were pictured as generally the same as those which Soviet Foreign Minister Andrei A. Gromyko put forward in private conversations in the past six weeks with President Kennedy and other Western officials.

The informants said these ideas were not regarded originally as acceptable and are not so regarded now.

Hans Kroll, West Germany's ambassador to Moscow, was called home after the Bonn government let it be known that Kroll took an "unauthorized initiative" in talks he had last week with Khrushchev.

Kroll angrily denied that he overstepped his competence in his talks with the Soviet leader.

There was no disposition in London to make Kroll a scapegoat. The British Foreign Office said it seemed perfectly logical for Kroll to have a conference with Khrushchev.

### WHAT'S IN A NAME?

SACRAMENTO, Calif. (AP) — George Winter is state office building manager in Sacramento. His assistant is named George Midwinter.

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