

The Fabric of Mind

A Radical New Understanding of the Brain and How It Works

Richard Bergland

For 200 years, it has been conventional wisdom that all information is transmitted to the brain by electrical signals traveling along nerves, and that the brain, like a computer, processes the electrical information into thoughts. In *The Fabric of Mind* prominent neurosurgeon Bergland offers the revolutionary theory, already stirring controversy among fellow researchers, that the brain is actually a gland and depends on changes of hormones and molecules for its function. This theory opens new vistas in the frontiers of research into the brain and calls into question the techniques and principles of psychiatry, psychology, neurosurgery, neurophysiology and anatomy.

The implications of his theory are immense. Over the past decade, since the discovery that the brain produces the hormone endorphin, scientists have identified at least 45 hormones in the brain. These discoveries have given Bergland what he believes is incontrovertible evidence that the language of the mind is chemical, not electrical. While he does not deny that electrical impulses occur in the brain, they are only superficial signals, he says, and not as important in conveying messages to the brain, and within it, as hormones are. "It is hormones that modulate memory, pain, pleasure, love, appetite, satisfaction, sleep, digestion, sadness, anxiety," he says. "Our

thoughts, emotions and feelings are the result of many different hormones working in concert."

—*from the publisher*

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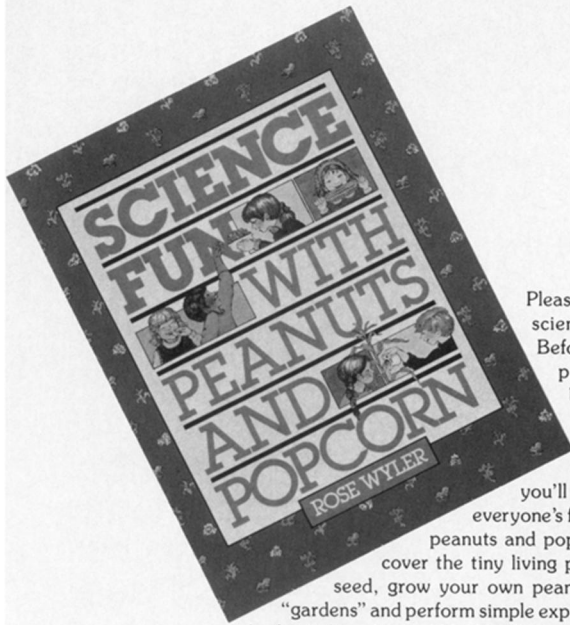
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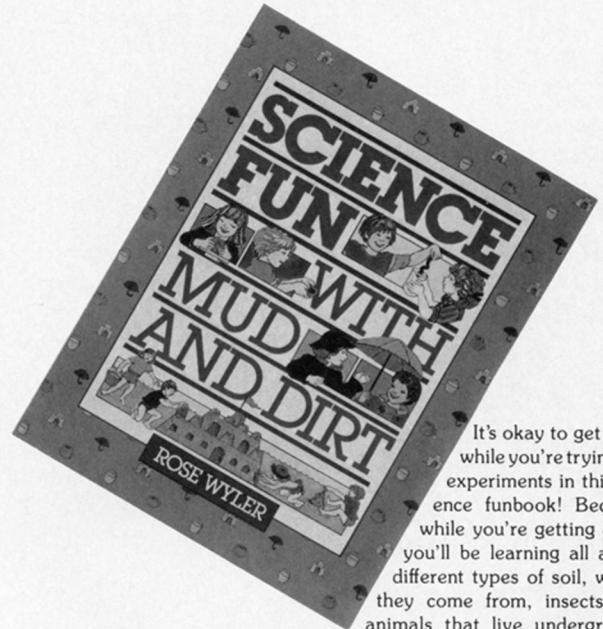
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