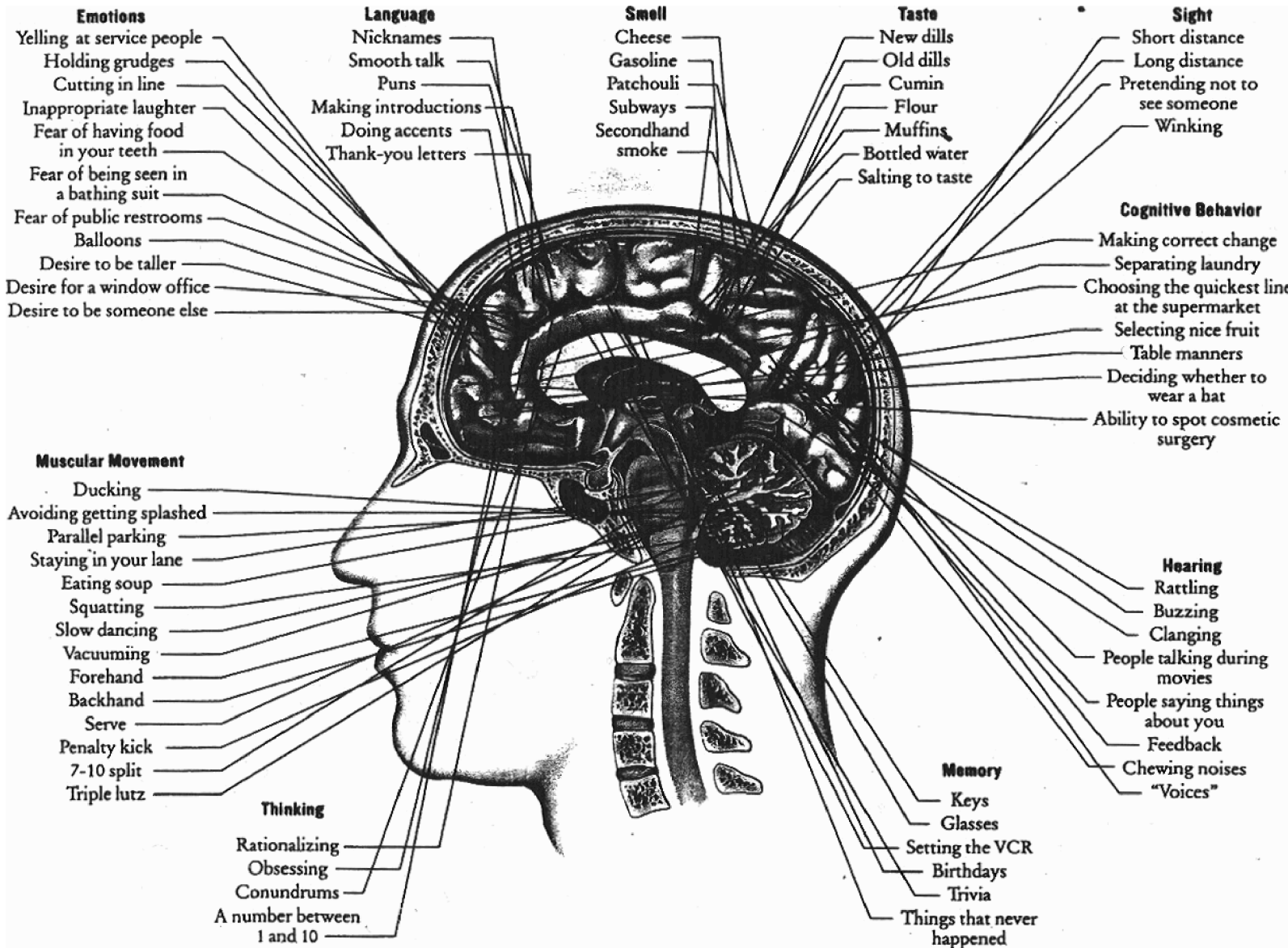


# ENDPAPER

## A New Map of the Brain

BY MICHAEL RUBINER



THESE ARE EXCITING DAYS IN BRAIN RESEARCH. Until recently, activity in the brain had been relatively difficult to map. Now, using sophisticated new technologies like functional magnetic

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resonance imaging and positron emission tomography (PET scans), scientists have been able to locate the precise regions of the brain that govern various thoughts, feelings, and sensations. In PET scans, for example, subjects are injected with radioactive glucose and placed in a tunnel-like scanning ma-

chine. When they are asked to, say, solve a complex math problem or think about something sad, corresponding areas of their brains begin to glow.

As a result of such investigations, scientists have created a new map of the brain, one that is far more detailed than ever before. ■