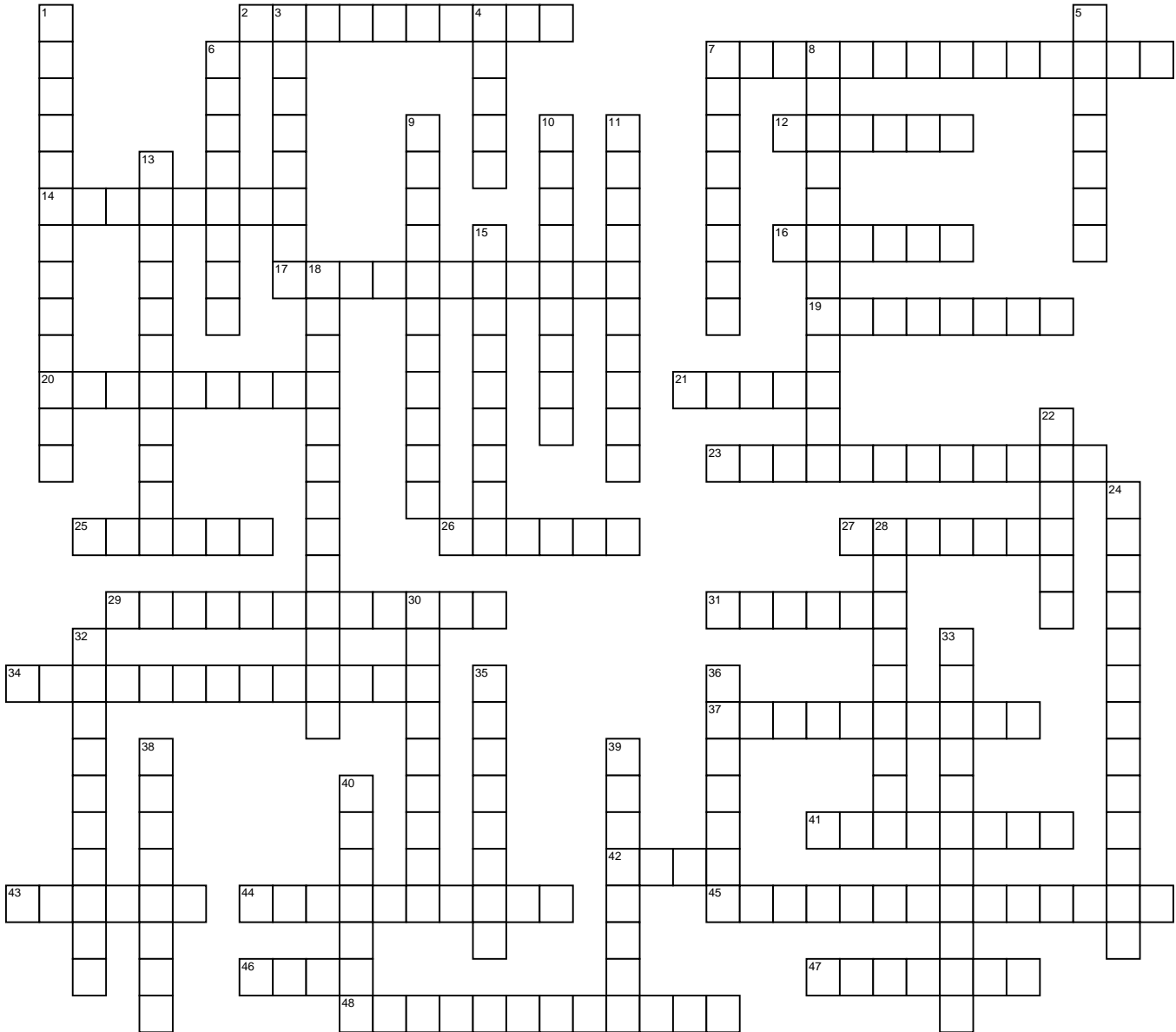


Nervous System 3



Dr. J.E. Bruni B.Sc., M.Sc., Ph.D., University of Manitoba

ACROSS

- 2 A.K.A. the "diminutive cerebrum"
- 7 Axons of cerebellar granule cells (2 wds.)
- 12 Thalamic geniculate nucleus on central auditory pathway
- 14 Functional area denoted by Heschl's convolutions
- 16 Anterior most end of inferior vermis of cerebellum
- 17 Fibers interconnecting cortical areas within same hemisphere
- 19 Largest division of diencephalon
- 20 Product of pineal body used to regulate sleep-wake cycles
- 21 Primary brain vesicles (number)
- 23 Space between arachnoid and pia
- 25 Cortical area in which optic radiations terminate
- 26 Motor speech area (clinical eponym)
- 27 Largest of nuclei that make up the corpus striatum
- 29 Only division of diencephalon visible from exterior of brain
- 31 One of several hyperkinetic dyskinesias
- 34 Tract of the pyramidal motor system
- 37 Disease entity associated with degeneration of

- substantia nigra neurons
- 41 Brain region in which red nucleus is found
- 42 Cortical convolutions
- 43 Major efferent pathway of the hippocampus
- 44 Syndrome of hypersexuality, hyperphagia, oral tendencies and docility (2 wds.)
- 45 Largest brain commissure (2 wds.)
- 46 Inhibitory cerebellar neurotransmitter (abbr.)
- 47 Only excitatory cells within cerebellar cortex
- 48 Pigment present in some midbrain neurons

DOWN

- 1 Movement disorder associated with lesion of subthalamic nucleus
- 3 Cells at the brain-csf interface
- 4 Dopamine precursor administered to treat Parkinson's disease (abbr.)
- 5 Largest of deep cerebellar nuclei
- 6 Brain lobe in which Meyer's loop is found
- 7 Nerve of Alcock's canal
- 8 Chemoreceptive area eliciting nausea and vomiting (2 wds.)
- 9 Gyrus constituting 1ry somatosensory area

- 10 Sensory or ideational language area of the brain (clinical eponym)
- 11 Depiction of disproportionate representation of the body in the motor and sensory areas
- 13 Temporal lobe structure important in memory processing
- 15 Fine non-myelinated fibers innervating blood vessels
- 18 Tract conveying pain and temperature
- 22 Site of concretions known as "brain sand"
- 24 Producer of CSF (2 wds.)
- 28 Delicate tube-like membrane investing spinal cord
- 30 Outermost cortical layer of cerebellum
- 32 Gyrus constituting 1ry motor area
- 33 Comprised of caudate nucleus and putamen
- 35 Association fibers of the cingulate gyrus
- 36 Type of paralysis indicative of upper motor neuron lesion
- 38 Large flask-shaped cerebellar cortical cells (clinical eponym)
- 39 Plays a role in forming memories for emotionally charged events
- 40 Lateral cerebral fissure (clinical eponym)

WORD BANK: Amygdala, arachnoid, areapostrema, association, auditory, brocas, caudate, cerebellum, chorea, choroidplexus, cingulum, corpuscallosum, corticospinal, dentate, ependyma, fornix, gaba, granule, gyri, hemiballismus, hippocampus, homunculus, hypothalamus, kluverbucy, ldopa, medial, melatonin, midbrain, molecular, neostriatum, neuromelanin, nodule, parallelfibers, parkinsons, pineal, postcentral, precentral, pudendal, purkinje, spastic, spinothalamic, subarachnoid, sylvian, temporal, thalamus, three, vasomotor, visual, wernickes.