

1970s

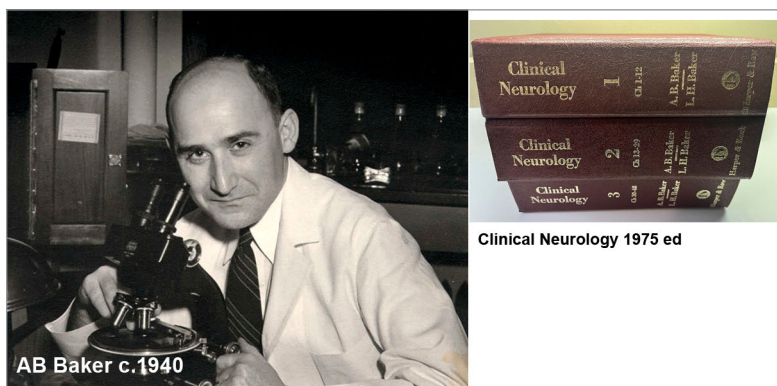
1970

BIOMEDICAL MILESTONES

Axelrod, on Euler, Katz receive Nobel for neurotransmitter release/reuptake.

1971

BIOMEDICAL MILESTONES

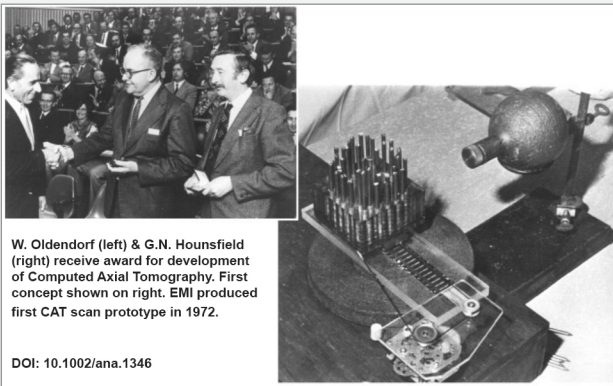


ANA President in 1971, A.B. Baker was a master educator in Neurology, founding editor of *Clinical Neurology*; organized first programs for rehabilitation of neurological, chronically disabled veterans; a founder of the AAN in 1948.

1972

BIOMEDICAL MILESTONES

- ANA President in 1972, P.C. Bucy is known for description with H. Klüver, of neurobehavioral disorder, caused by bilateral lesions of the medial temporal lobes, which they reproduced in rhesus monkeys for foundational understanding of temporal lobe function in behavior.
- Computed tomography (CT) enters the clinic.



W. Oldendorf (left) & G.N. Hounsfield (right) receive award for development of Computed Axial Tomography. First concept shown on right. EMI produced first CAT scan prototype in 1972.

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HISTORICAL CONTEXT

Nixon visits China.

1973

BIOMEDICAL MILESTONES

Jacques Vidal coins the term "Brain-Computer Interface" and illustrates an EEG-based device.

HISTORICAL CONTEXT

Viet Nam protests increase.

1974

BIOMEDICAL MILESTONES

- Neurofibrillary tangles (NFTs) isolated from Alzheimer disease brains.
- National Institute of Aging (NIA) founded.

HISTORICAL CONTEXT

Watergate impeachment looms, Nixon resigns.

1975

BIOMEDICAL MILESTONES



ANA President in 1975, J.M. Foley volunteered as medic, serving in 4 major invasions in WWII, awarded the Bronze Star and Croix de Guerre for heroism. Trained with luminaries Denny-Brown, Yakovlev, Adams, and built the Neurology department at Cleveland Clinic.

HISTORICAL CONTEXT

Viet Nam War ends.

1976

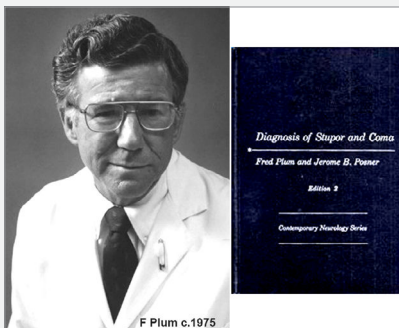
HISTORICAL CONTEXT

Disco

1977

BIOMEDICAL MILESTONES

- Roberts and Sharp describe RNA splicing (awarded Nobel in 1993).
- ANA President in 1977 and founding Editor-in-Chief of *Annals of Neurology*, F. Plum published with J.B. Posner *Diagnosis of Stupor and Coma*; through multiple editions, this monograph codified diagnosis, pathophysiology, and treatment for disorders of consciousness.



HISTORICAL CONTEXT

Commodore_PET, Apple II, and Radio Shack TRS-80 "trinity 77" first mass-market PC computers appear.

1978

BIOMEDICAL MILESTONES

Arber, Nathans, Smith receive Nobel for restriction enzymes in molecular genetics.

HISTORICAL CONTEXT

Viking I visits Mars.

1979

BIOMEDICAL MILESTONES

Following Damadian's 1973 MR body scan, NMR images made possible with Lauterbur's application of magnetic gradients and Mansfield's line scan imaging technique, 1977-79.

HISTORICAL CONTEXT

Iranian Revolution
and start of the
US Hostage Crisis.

