

The History of Cardiac Arrest Care in EMS

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Hebrew Bible Description

Elisha, a prophet, resuscitates a
Shunamite child

Elisha placed himself over the child. He put
his mouth on his mouth, and his eyes on his
eyes, and his hands on her hands, and the
flesh of the child waxed and warmed.

Kings II 3-4

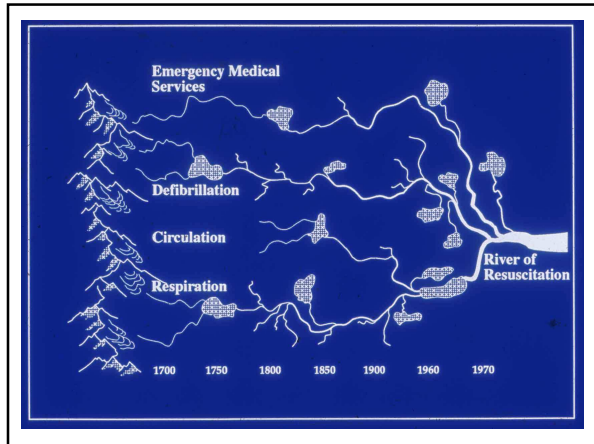


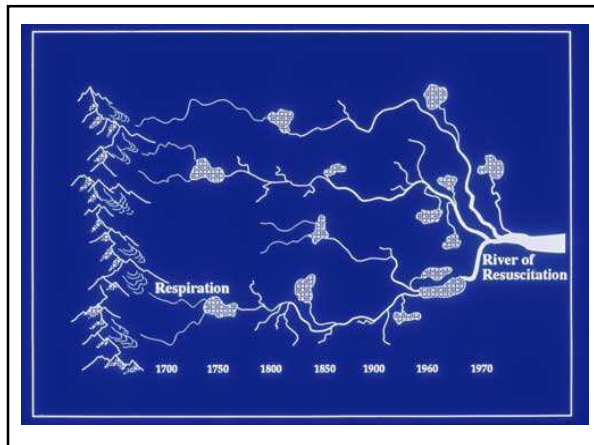
Then she went in and fell at his feet and bowed herself to the ground and took up her son.

Kings II 3-4

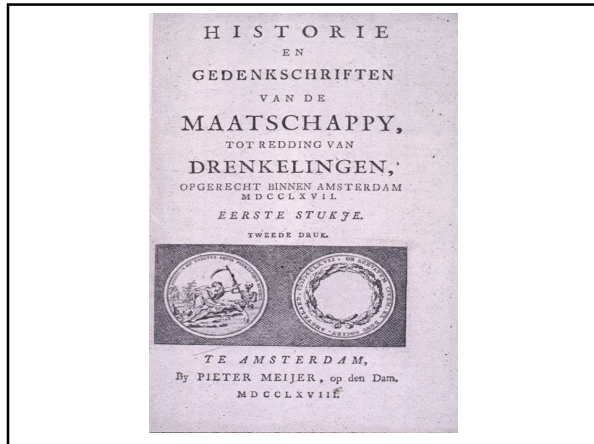
Resuscitation was considered blasphemous throughout the Middle Ages and Renaissance.

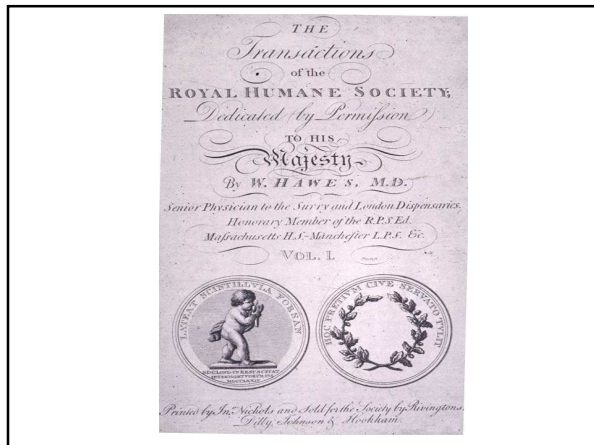
The will to resuscitate emerged during the Enlightenment.

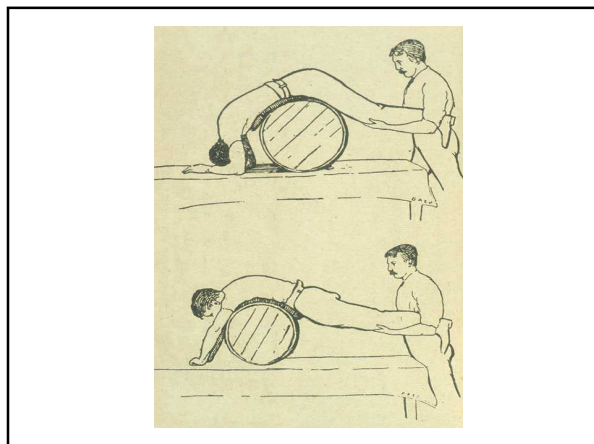


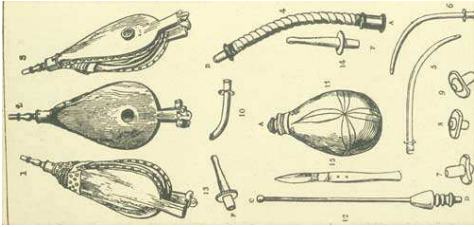






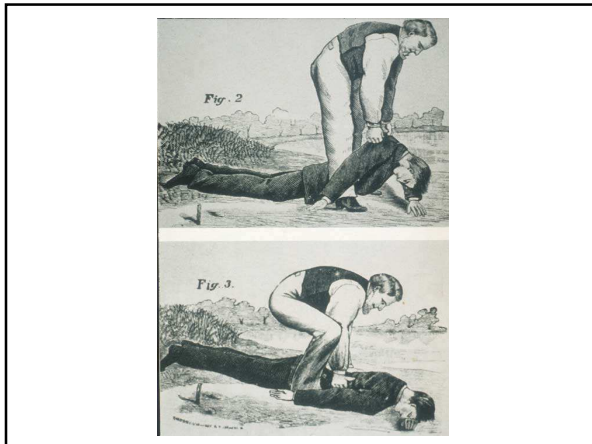


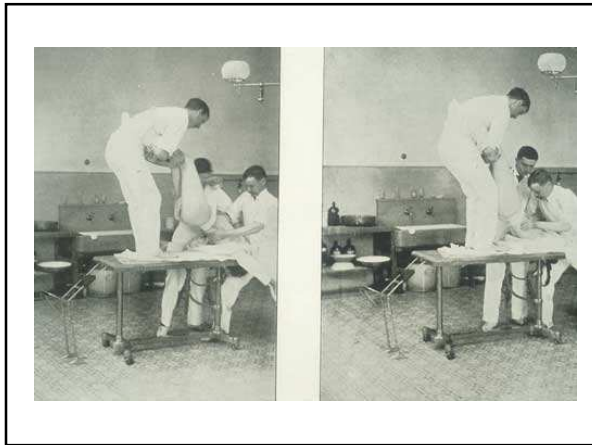


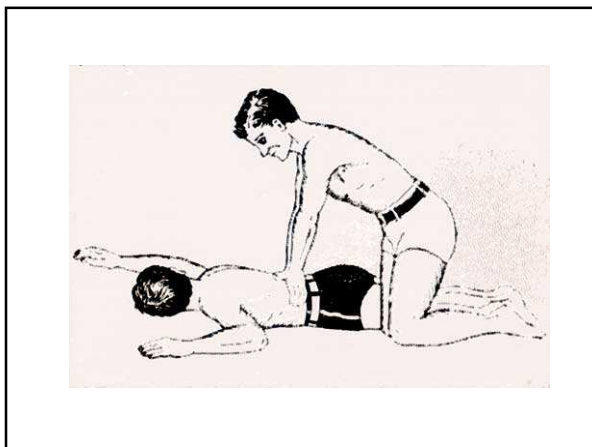






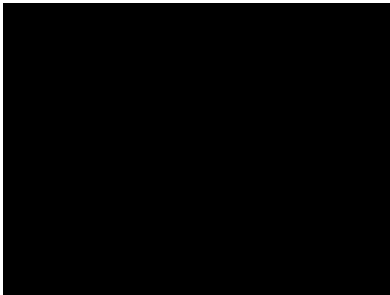






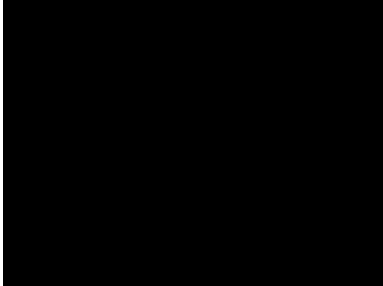


Interview with James Elam
recounting events of 1949





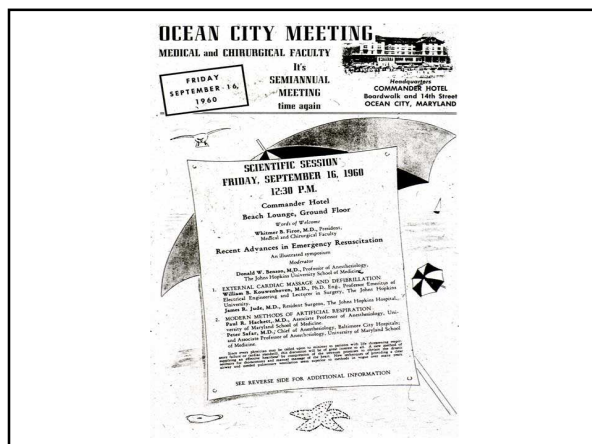
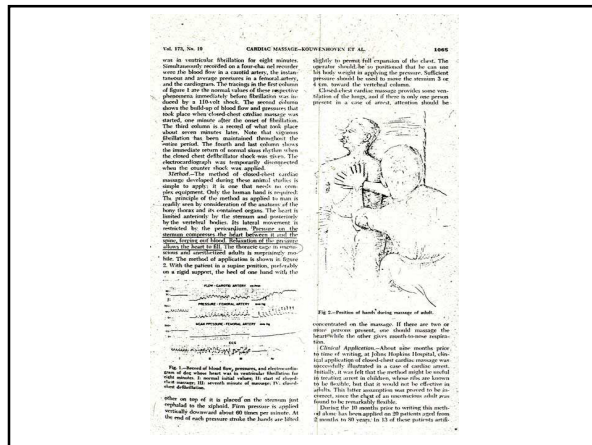
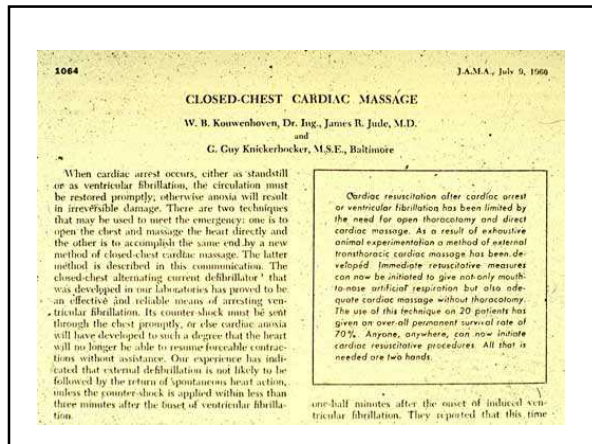
Peter Safar
Introduction to Respiratory and Cardiac
Resuscitation, 1957-61







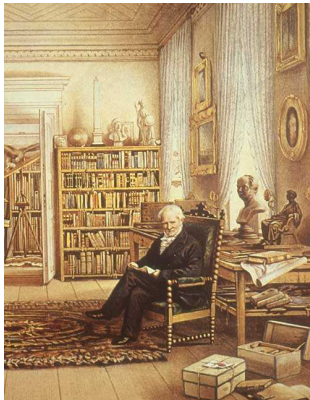
Demonstration of cardiopulmonary resuscitation at the Johns Hopkins Hospital, circa 1960; Dr William B. Kouwerhoven maintaining airway with "chin-lift technique" and Dr. James J. Jude performing "closed-chest massage." "Patient" is third member of research trio, Dr Guy Knickerbocker.



Kouwenhoven, Knickerbocker, Jude
External Cardiac Massage, 1961





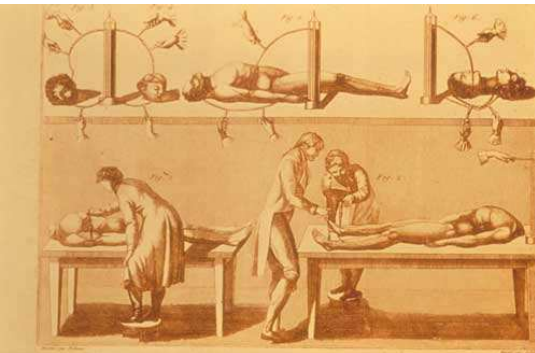


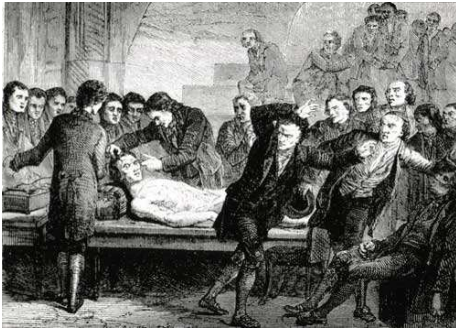
To my amazement, at the moment of contact the bird opened its eyes, raised itself on its feet by flapping its wings for seven or eight minutes, and then expired quietly.

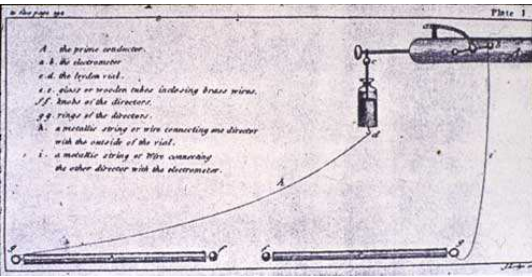
Alexander Humboldt, 1780

I saw vivid flashes before my eyes.

Alexander Humboldt, 1780





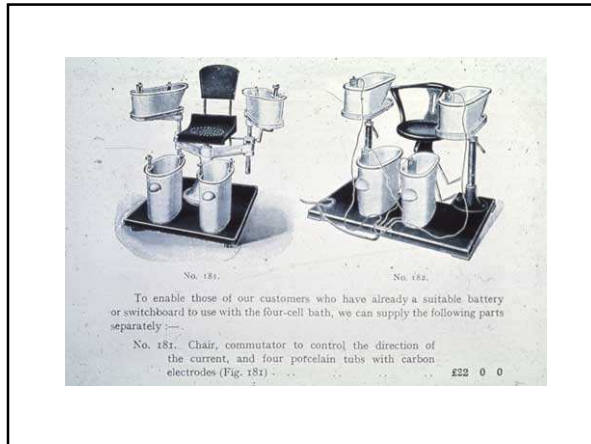


MR. SQUIRREY, OF SPOON, COMMUNICATED TO THE
REV. MR. SOWDEN AND DR. HAWES.
ELECTRICITY RESTORED VITALITY.

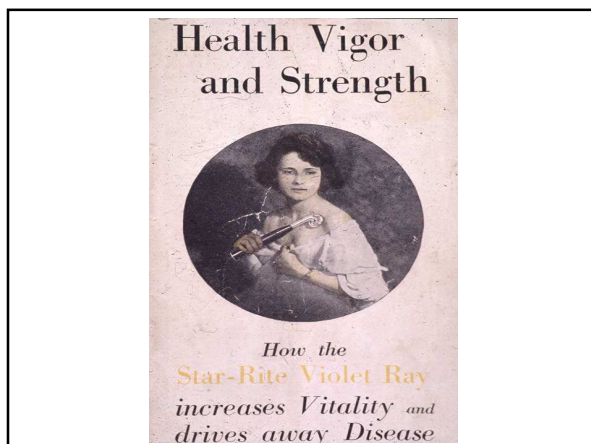
ONE PART OF OUR BENEFICENT DESIGN IS TO
MANIFEST THE POSSIBILITY OF RECOVERY IN
THE VARIOUS INSTANCES OF SUDDEN DEATH,
VALUE THE VITAL POWERS AND RESTORE VITALITY
WITHOUT ANY LESSTIAL INJURY TO THE
FRAME. THIS EXTRAORDINARY RELATION OF
RESUSCITATION ALSO SUGGESTS THE ADMIRABLE
POWERS OF THE ELECTRICAL SHOCK, WHICH WE
WOULD EARNESTLY RECOMMEND IN ALL CASES
OF SUSPENDED ANIMATION.

SOPIA GREEN (17), on Thursday last, fell
out of a one-pair of flint window, and was
taken up by a man to all appearance dead.
The surgeons at the *Hôtel de St. Louis*, and an
APOTHECARY, declared that nothing could
be done for the child.—Mr. SQUIRREY, tried the
effects of electricity.—Twenty minutes elapsed
before he could apply the shock, which he gave
to various parts of the body in vain—but, upon
transmitting a few shocks through the throat, he
perceived a *small pulsation*; in a few minutes
the child began to breathe with great difficulty,
and after some time the vomited.—A kind of
stupor, occasioned by the depression of the cranium,
remained for several days, but, by the proper means
being used, her health was restored.

Fig. 1. The first successful revival of a person dead by electroshock took place in 1774. This
important incident occurred for the first time. Mr. SQUIRREY, a child in the picture of
medical history. However, he was never heard from again after that first moment of glory.











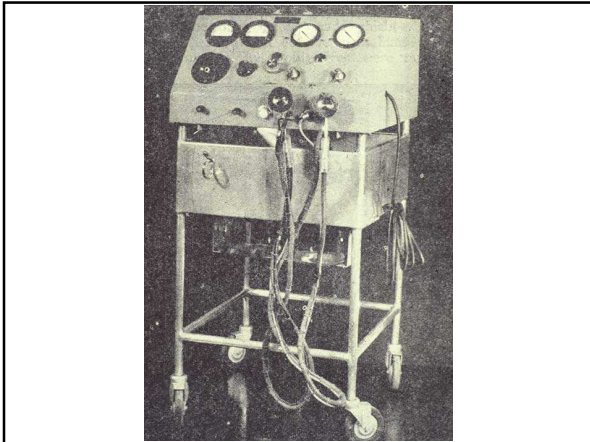
SCALP TREATMENT

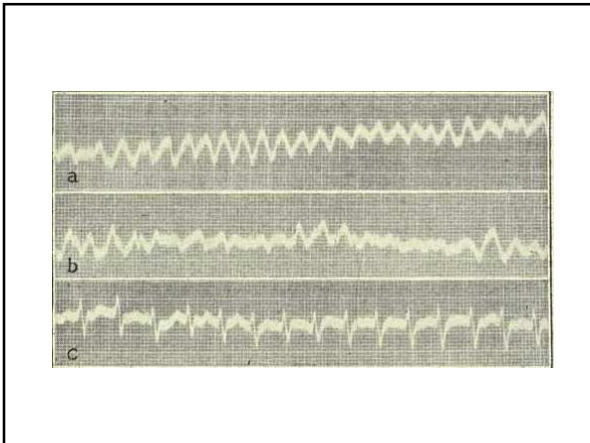
Nothing is more beneficial to the scalp than the application of the Violet Ray. It revitalizes impoverished hair, restores its natural lustre. In order to obtain results it is necessary to be both persistent and consistent in the use of Violet Ray, as treatments must sometimes continue over a long period of time in obstinate cases. Treatments should be from 3 to 5 minutes a day using the comb Electrode. Do not use hair tonic that contains alcohol, as this is inflammable. Falling hair can be stopped in time by Violet Ray scalp applications. Prematurely gray hair can be restored to its natural color by persistent applications. Dandruff and other scalp troubles are usually quickly relieved.



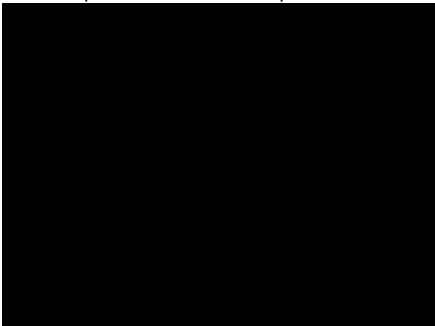


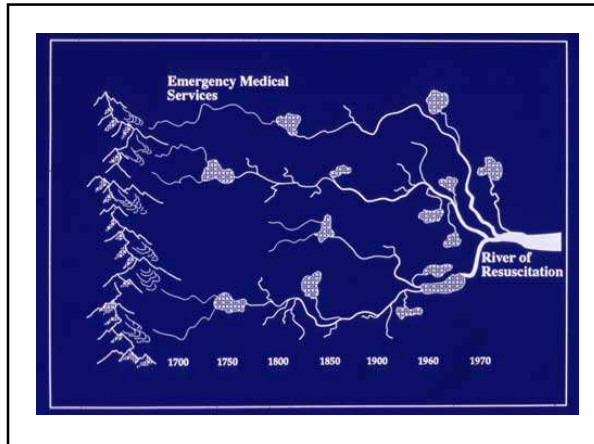
CLAUDE S. BECK, M.D.

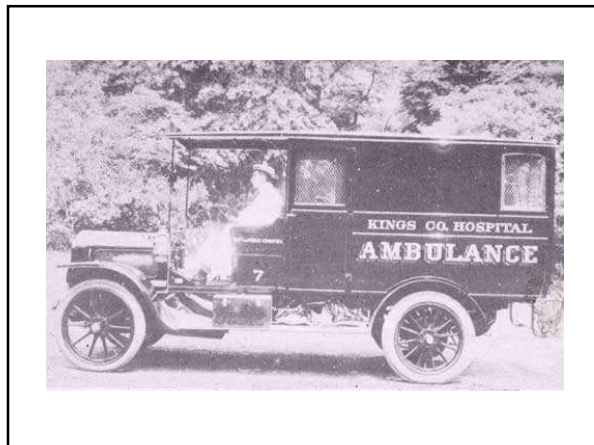


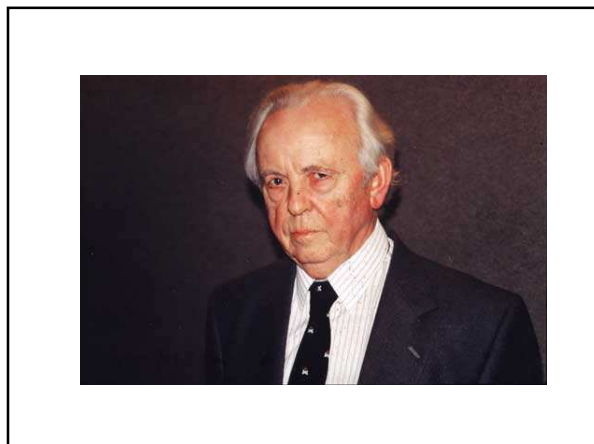


From 1962 movie by Claude Beck showing the first human to be defibrillated. The event occurred in 1947 when the patient was 14. He is 29 years old in this film.







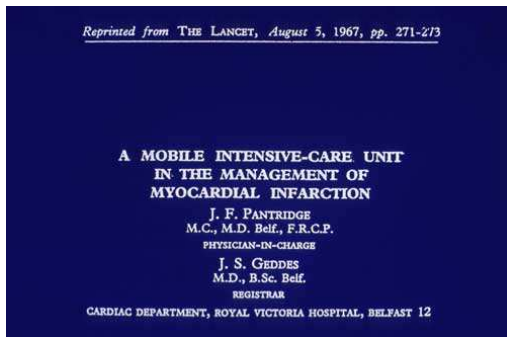














Paramedic Programs

- Miami
- Seattle
- Columbus
- Los Angeles
- Portland



We knew in 1970 that the sooner the aid car got there the better the outcome. One day the fire department chief said, "Look, if it's so important to get CPR quickly, and the firemen come around to do it, it can't be that complicated that other folks couldn't also learn. Firemen are not created by God to do CPR. You could train the public." I said, "that sounds like a very good idea." Shortly thereafter, we started the CPR training program for the general public.

Leonard Cobb



60 Minutes



EMS Developments Since 1970's

- Diffusion of paramedic programs throughout country
- National curricula for EMTs and paramedics
- Defibrillation by EMTs and first responders
- Automated external defibrillators (AEDs)
- Public access defibrillation
- Telephone CPR
- Hands-only CPR
- HP-CPR
- Smart technologies for CPR and AED
- NHTSA endorsement of T-CPR and HP-CPR

May all your resuscitations be successful!
