1981 – 1988

**1981**
- **APSS and APS** begin the joint publication of News in Physiological Sciences.
- **APS and IUPS** begin the joint publication of News in Physiological Sciences.
- **The Nobel Prize in Physiology or Medicine** was awarded to **Susumu Tonegawa** for his discoveries concerning the functional specialization of the brain's lymphocytes.
- **The Nobel Prize in Physiology or Medicine** was awarded to **Niels K. Jerne, Georges J. F. Köhler and César Milstein** for their discoveries concerning the production of monoclonal antibodies.
- **Kathleen Sweadner** publishes the first account of several isoforms of the alpha subunit of the Na/K pump.

**1982**
- **Iran hostage crisis** ends with the release of 52 hostages held in Teheran.
- **Barry J. Marshall and J. Robin Warren** discover that gastritis and peptic ulcer disease, long thought to be the product of abnormal gastric mucosal defenses, are due to infection with Helicobacter pylori.
- **Wylie Vale and colleagues** isolated and characterized CRH, the corticotropin releasing hormone of the hypothalamus.
- **The Nobel Prize in Physiology or Medicine** was awarded to **Roger W. Sperry** “for his discoveries concerning the functional specialization of the brain's lymphocytes.”
- **Jo G. De Mey and Paul M. Vanhoutte** demonstrated that endothelial cells not only generate endothelium-derived relaxing factor but also can induce contractions of the underlying vascular smooth muscle which eventually lead to the discovery of endothelin and the definition of the role of endothelium-derived vasoconstrictor prostaglandins in physiological and pathological endothelial dysfunction.
- **Alexi Ivanitsky**.
- **George H.W. Bush**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson** releases Thriller becoming the biggest-selling album in history.
- **NASA scientist James Hansen** warns congress of the dangers of the global warming and the greenhouse effect.
- **Ioannis Zakyantz, bonobo, a tertiary active transport process.**
- **Hiroshi Aikawa and R. J. Cohen and colleagues** describe the use of power spectrum analysis to quantify the frequency dependence of heart rate variability and the contributions of sympathetic, parasympathetic, and vasomotor systems in the variability at different frequencies.
- **Miniaturization**
- **Joan H. Wagoner** and Ernest M. Wright independently demonstrated that the presence of the bacterial species, Helicobacter pylori, in the stomach is associated with the development of peptic ulcer disease.

**1983**
- **APS and IUPS** release the first account of several isoforms of the alpha subunit of the Na/K pump.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.
- **Soviet Union withdraws from summer Olympic games in US, and other Warsaw bloc nations follow suit.**
- **Reagan nominates Judge Sandra Day O’Connor, as first woman on US Supreme Court.**
- **Michael Jackson**.
- **Second space shuttle Challenger**, makes successful maiden voyage, which includes the first US space walk in nine years.
- **Michael Jackson**.