

1970

## Top of the Decade

Follow this and additional works at: <https://scholarworks.uni.edu/istj>



Part of the Science and Mathematics Education Commons

*Let us know how access to this document benefits you*

Copyright © Copyright 1970 by the Iowa Academy of Science

---

### Recommended Citation

(1970) "Top of the Decade," *Iowa Science Teachers Journal*: Vol. 7 : No. 4 , Article 13.

Available at: <https://scholarworks.uni.edu/istj/vol7/iss4/13>

This Article is brought to you for free and open access by the Iowa Academy of Science at UNI ScholarWorks. It has been accepted for inclusion in Iowa Science Teachers Journal by an authorized editor of UNI ScholarWorks. For more information, please contact [scholarworks@uni.edu](mailto:scholarworks@uni.edu).

# Top of the Decade

## MEDICINE

- The Pill approved for U.S. prescription use as oral contraceptive, 1960.
- Treatment of kidney disease by transplantation and routine dialysis, 1960.
- Oral polio vaccine, 1961.
- Vaccines against common ("red") measles, 1963.
- L-dopa as a nonsurgical treatment for parkinsonism, 1966.
- Medicaid (in some states) and Medicare, 1966.
- Enzyme treatment (L-asparaginase) for leukemia, 1967.
- Transplantation of the first human heart, 1967.
- "Reverse vaccination" at the time of a woman's first delivery to ward off future Rh incompatibility crises, 1968.
- Vaccine against German measles (rubella), 1969.

## EDUCATION

- First Negro student sit-ins at Greensboro, N.C., lunch counters, 1960.
- James Meredith succeeds in integrating Ole Miss, 1962.
- Educational Services Inc. accelerates high school curriculum reform, 1963.
- Clark Kerr Godkin Lectures describe and name a new U.S. institution: the "multiversity," 1963.
- Herbert Marcuse's *One-Dimensional Man* certifies an old philosopher for the New Left, 1964.
- Mass arrests at Berkeley (1964) prefigure later campus revolts at Columbia and San Francisco State (1968), Harvard and Cornell (1969).
- Congress passes Elementary and Secondary Education Act, first massive federal aid to schools, 1965.
- First teach-ins and draft-card burnings dramatize student reaction to Viet Nam War, 1965.
- Project Head Start focuses on preschool children and special learning problems of the poor, 1966.
- Supreme Court orders Southern schools to desegregate "at once," 1969.

## SCIENCE

- Perfection of the first working model of a laser, 1960.
- Francois Jacob and Jacques Monod formulate the gene repressor theory, which correctly explains how genes are turned "on" and "off," 1961.
- Murray Gell-Mann develops the "eight-fold way" to explain the relationships between subatomic particles, 1961.
- Genetic code of the DNA molecule is broken by Marshall Nirenberg and J. Heinrich Matthaei, 1961.
- Maarten Schmidt discovers that quasars may be the most distant objects in the universe, 1963.
- Mariner transmits closeup photographs of Mars, 1965.
- Discovery of cosmic background radiation believed to be remnants of "Big Bang" that created the universe, 1965.
- First scientific proof of continental drift by sea-floor spreading, 1966.
- Discovery of pulsars, 1967.
- Man's first landing on the moon, 1969.

## ENVIRONMENT

- California enacts the nation's first law to reduce auto fumes, the chief source of air pollution, 1960.
- Rachel Carson's *Silent Spring*, the prophetic book that warns the world against pesticides, 1962.
- The Nuclear Test-Ban Treaty, the superpowers' agreement that radioactive fallout must stop, 1962.
- The Water Quality Act commits the Federal Government to clean up U.S. rivers, lakes and streams, 1965.
- The Northeast power failure, symbol of fragile technology, 1965.
- The Santa Barbara oil spill, 1969.
- Insecticide kills some 40 million fish in the Rhine River, 1969.
- The problem of overpopulation is recognized for the first time in a presidential message to Congress, 1969.
- Richard Nixon asks Congress for approval of the SST jetliner, 1969.
- New York State enacts the nation's first conservation bill of rights, 1969.