# **150 YEARS OF TIDE TABLES**

NOAA and its predecessor agencies have published annual tide tables since the 1860s. These tables are used around the world for safe navigation. In October 2015, NOAA issued its 150th edition of Tide Tables.



# 1880

Tidal current predictions begin for New York Harbor and the vicinity.

#### 1882

William Ferrel and Rollin Harris of the U.S. Coast and Geodetic Survey introduce the Maxima and Minima Tide Predictor, which begins making predictions in 1885.



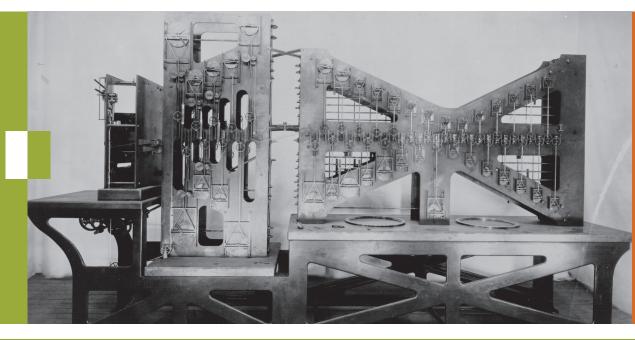
## 1887

Low tide predictions are included for all stations in the Tide Tables. 1896

Tide Tables are extended to include ports throughout the world.

# 1912

Harris-Fischer "Tide Predicting Machine No. 2" replaces Ferrel's Tide Predictor.



1923

Tidal Current Tables are first published separately from Tide Tables.

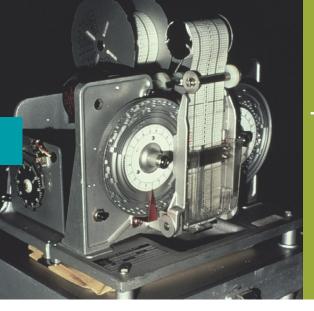
## 1940

Special restricted tide tables for war efforts begin, lasting until 1951. Women had a role in operating tide prediction machines during WWII.



# 1965

Analog-to-digital recorder (ADR) tide gauges and computer processing are introduced.



## 1966

The electronic digital computer is introduced for performing harmonic analyses and computing tide predictions.

## 1970

NOAA forms as an agency and tide prediction tables begin to be published under the NOAA name.

# 1996

NOAA's National Ocean Service begins providing tide and tidal current predictions

#### 2008

Electronic copies of the published Tide Tables and Tidal Current Tables

### 2015

NOAA celebrates 150<sup>th</sup> edition of Tide Tables.

Atlantic Coast of North America

exclusively on the Internet and<br/>on CDs. Private publishersfr<br/>ava<br/>begin printing NOAAbegin printing NOAAtill<br/>prediction tables for<br/>tides and currents.

from past years are made available as PDF documents through NOAA's Tides & Currents website.



This information is based on timelines found in "Understanding TidesE" by Steacy Dopp Hicks.

Hicks, S. D., Szabados, M. W., & Center for Operational Oceanographic Products and Services (U.S.). (2006). Understanding tides. Silver Spring, Md.: U.S. Dept. of Commerce.