



100th

*Birthday
Celebration
of the Accidental
Statistician*

*Prof. George E.P. Box, FRS
(1919-2013)*

HAPPY BIRTHDAY PEL!

JOSÉ G. RAMÍREZ

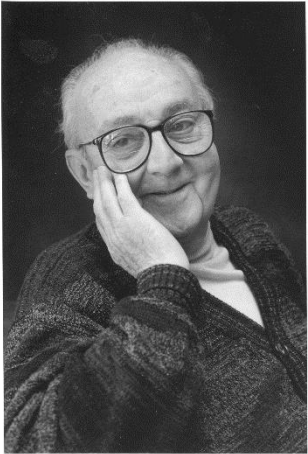
100TH BIRTHDAY CELEBRATION OF THE ACCIDENTAL STATISTICIAN

AMGEN®

Pioneering science delivers vital medicines™

PROF. GEORGE E.P. BOX, FRS (1919 – 2013)

CENTENARY OF THE “ACCIDENTAL STATISTICIAN”



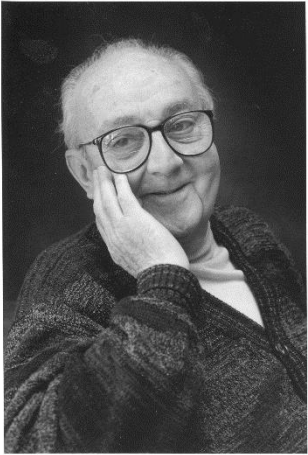
- Born October 18 in Gravesend, Kent, England



Touchstone passing Gravesend. Anthony Blackman

PROF. GEORGE E.P. BOX, FRS (1919 – 2013)

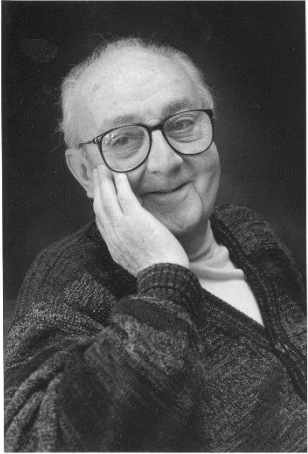
CENTENARY OF THE “ACCIDENTAL STATISTICIAN”



- **Born October 18 in Gravesend, Kent, England**
- **Chemist**
 - First paper when he was 19
- **Worked at Porton Down Experimental Station**
 - Study the potential impact of poison gases
 - Became the accidental statistician

PROF. GEORGE E.P. BOX, FRS (1919 – 2013)

CENTENARY OF THE “ACCIDENTAL STATISTICIAN”



- Born 1919
- Chemist
 - First
- Worked
 - Studied
 - Became



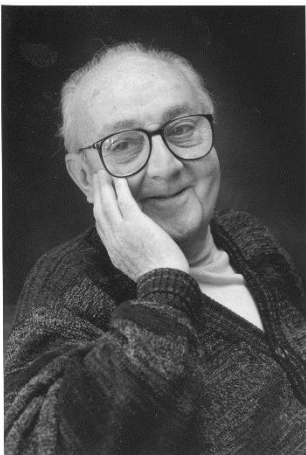
Kent, England

mental Station
on gases

Statisticians in World War II: They also served
The Economist, 12/17/2014

PROF. GEORGE E.P. BOX, FRS (1919 – 2013)

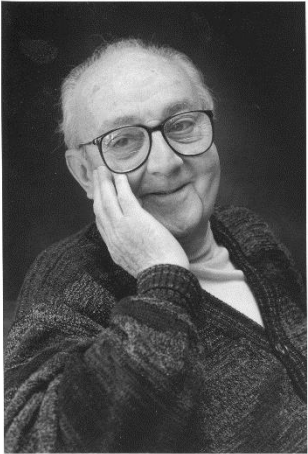
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 - **Became the accidental statistician**
- **B.Sc, Ph.D. University College of London**
- **Worked at Imperial Chemical Industries (ICI)**

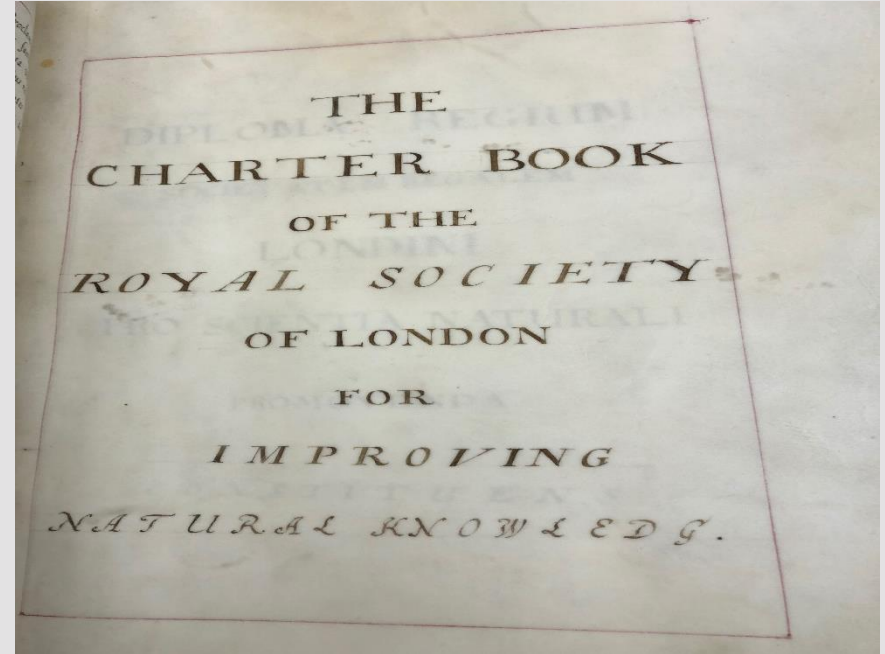
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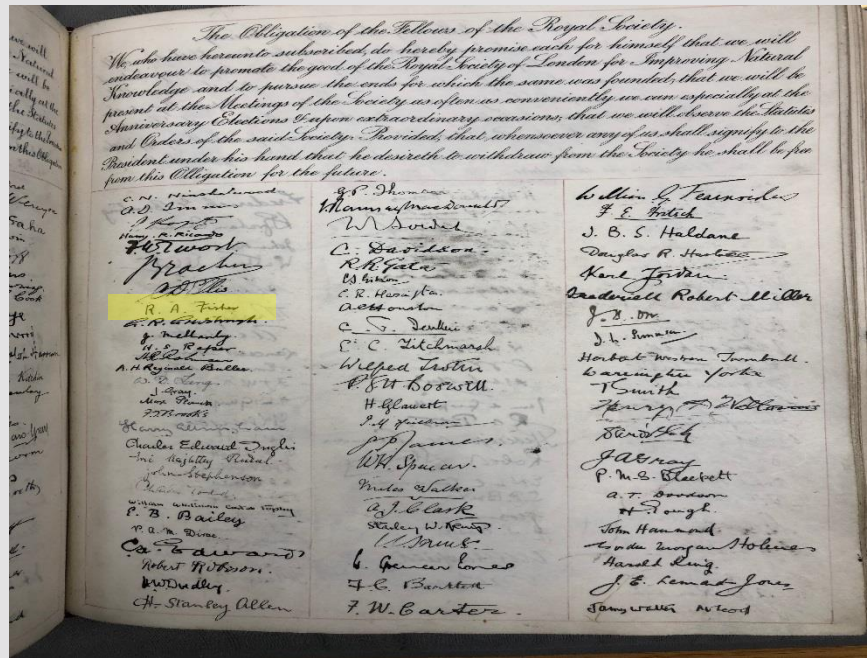
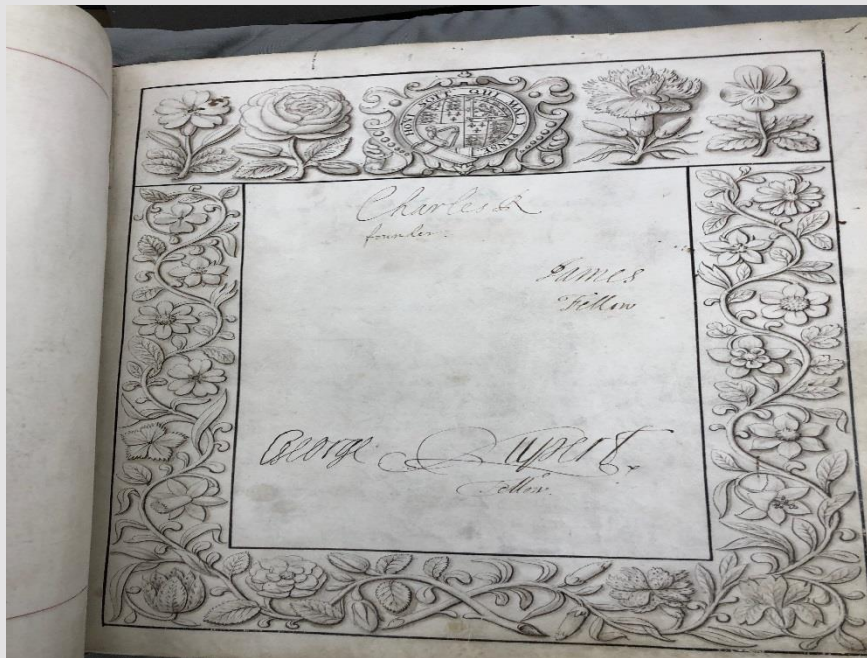


- Director of the Statistical Techniques Research Group at Princeton University
- Founded the UW-Madison department of statistics
- President of ASA
- 200+ papers and 9 major statistical books
- Received many medals and honors
 - British Empire Medal
 - Royal Statistical Society Silver & Gold Guy Medals
 - Shewhart Medal, Deming Medal, Youden Award
 - Brumbaugh Award (5 times!)
- Fellow of the Royal Society

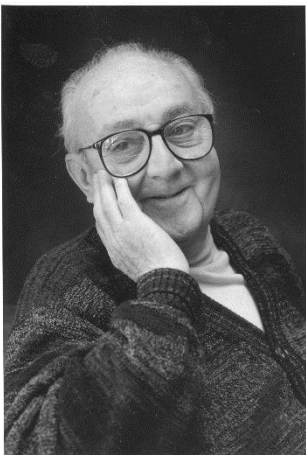
ROYAL SOCIETY CHARTER BOOK



ROYAL SOCIETY CHARTER BOOK



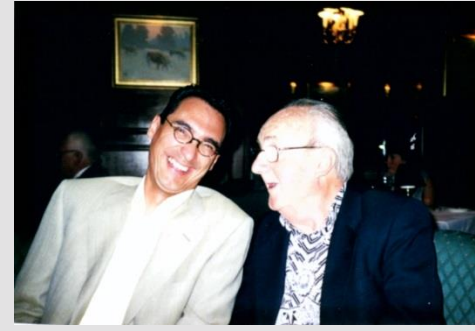
IMAGINE IF WE HAVE TO PAY ROYALTIES...



- **Box-Cox transformations**
- **ARIMA time series models (Box-Jenkins)**
- **Box-Tiao prior for variance components**
- **Box-Wetz goodness-of-prediction criterion**
- **Box-Behnken designs**
- **Central composite designs (CCD)**

One of the most brilliant statistical minds of the 20th century

PEL'S HUMAN SIDE...



TWENTY YEARS AGO...



TEN YEARS AGO...



THE ACCIDENTAL STATISTICIAN CENTENARY CELEBRATION

Morning (9:00 – 12:00)

Welcome

José Ramírez, Amgen

Brian Yandell, University of Wisconsin-Madison

Gratitude

Claire Box

Screening Experimental Designs with Maximally Balanced Projections

Tim Kramer, Eli Lilly

How George Box has Shaped my Work as Data Scientist

Treatment of Visual Loss and the Effects of Traumatic Brain Injury

Johannes Ledolter, University of Iowa

George Box's Contributions to Time Series Analysis and Forecasting

Greta Ljung, Independent Consultant

Afternoon (1:30 – 4:30)

Do We Need Transformations?

José Ramírez, Amgen

Errors and Uncertainty in Designed Experiments

Joanne Wendelberger, Los Alamos National Laboratory

Lunches with George

Conrad Fung, Independent Consultant

George Box, Bill Hunter and Madison, Wisconsin

John Hunter, CuriousCat.com

Grandpa Pel, My Teacher

Andrew Murtha, Computer Science and Microbiology, University of British Columbia-Vancouver

Mac and Friends, Joyful Celebrations

Mac Berthouex, University of Wisconsin-Madison

Closing Remarks

Claire Box

José Ramírez, Amgen

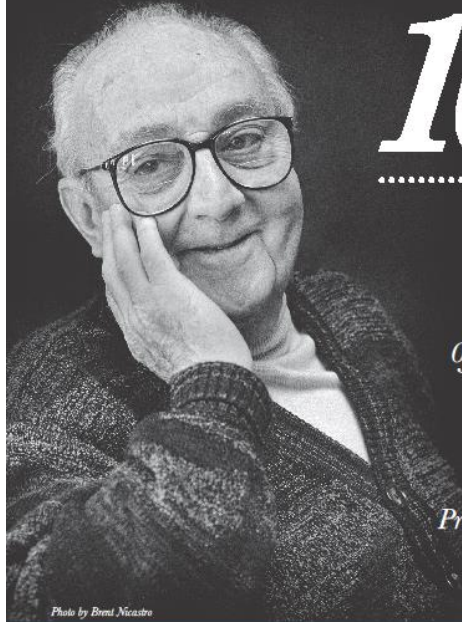


Photo by Brent Nicastro

100th

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*Birthday
Celebration
of the Accidental
Statistician*

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*Prof. George E.P. Box, FRS
(1919-2013)*

*A special 1-day conference will be held at UW-Madison
to honor the legacy and memory of one of the most brilliant
statistical minds of the 20th century*

*UW-Madison Union South Varsity Hall III
1308 W Dayton Street
Madison, WI 53715*

Friday, October 18, 2019