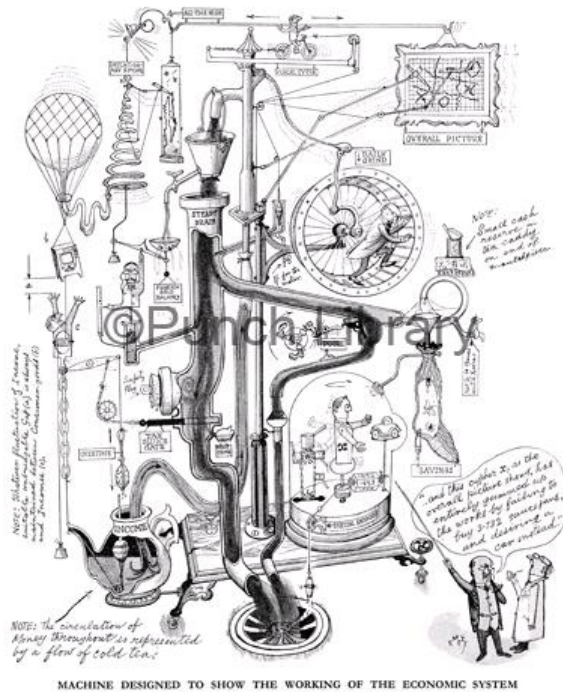


Algorithmic Social Sciences Research Unit (ASSRU)

With *Economia Politica*

&

FONDAZIONE PESCARABRUZZO



MACHINE DESIGNED TO SHOW THE WORKING OF THE ECONOMIC SYSTEM

For further information contact N. Dharmaraj, Kao Selda or V. Ragu at

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Department of Economics & CIFREM

7/8 December, 2010

*Celebrating the 60th Anniversary of the Phillips
National Income Electro-Hydraulic Analogue Machine*



Phillips with his Machine in 1950

Morning Session: 7 December 2010

Remembering & Celebrating the MONIAC at 60

8.30 - 9.00

Welcome and Introduction

Alberto Quadrio Curzio

Catholic University of Milan & Managing Editor, *Economia Politica*

9.00 - 9.30

Introduction to the Phillips Machine & the Analogue Computing

Tradition in Economics

K. Vela Velupillai

University of Trento

9.30 - 10.30

Phillips, His Machine and His Stabilization Agenda

Robert Leeson

Notre Dame Australia & Stanford Universities & the Hoover Institution

Coffee Break: 10.30 - 11.00

11.00 - 12.00

The MONIAC, Modelling and Macroeconomics

David Colander

Middlebury College

12.00 - 13.00

Lunch Break: 13.00 - 14.30

Afternoon Session: 7 December 2010

14.30 - 15.30

Business Cycles and the Phillips Machine

Allan McRobie

Cambridge University

15.30 - 16.30

Economics, Control Theory and the Phillips Machine

Brian Hayes

American Scientist

Coffee Break: 16.30 - 16.45

16.45 - 17.45

Goodwin's Lectures on the Phillips Machine in Cambridge

Michael Kuczynski

Pembroke College, Cambridge

17.45 - 18.45

c/o The Central Bank of Guatemala

Michael Stevenson

Berlin

18.45 - 19.45

Discussion on Analogue vs. Digital Computation in Economics

Chairman: **Stefano Zambelli**

University of Trento

20.30: **Formal Dinner in Honour of Professor Alberto Quadrio Curzio**

Morning Session: 8 December 2010

9.00 - 10.00

Coupled Dynamics in the Phillips Machine Model of the Macroeconomy

Stefano Zambelli

10.00 - 11.00

Mathematical Foundations for Analogue Computation

K. Vela Velupillai

- Copies of two DVD recordings on Phillips and the Phillips Machine, as well as drafts of all the contributions will be made available to all the participants at the Conference.
- As a natural sequel to the themes of the Phillips Machine Conference, there will be a seminar, given by Rosalind Reid, Executive Director, *Institute of Applied Computational Science, Harvard School of Engineering and Applied Sciences*, under the auspices of **ASSRU**, at 10.00 on 9 December, 2010. The title of the seminar is: "*How should we prepare students for attacking new scientific problems with computation?*"

- The Proceedings of the Conference will be published in *Economia Politica*, in the first two Issues of Vol. XXVIII (2011), Guest Edited by Giovanni Pegoretti, K. Vela Velupillai and Stefano Zambelli..