Manuel Sandoval Vallarta and El Colegio Nacional

Luis F. Rodríguez IRyA, UNAM MCTP, UNACH El Colegio Nacional

Sandoval Vallarta at the MIT (1917-1946)



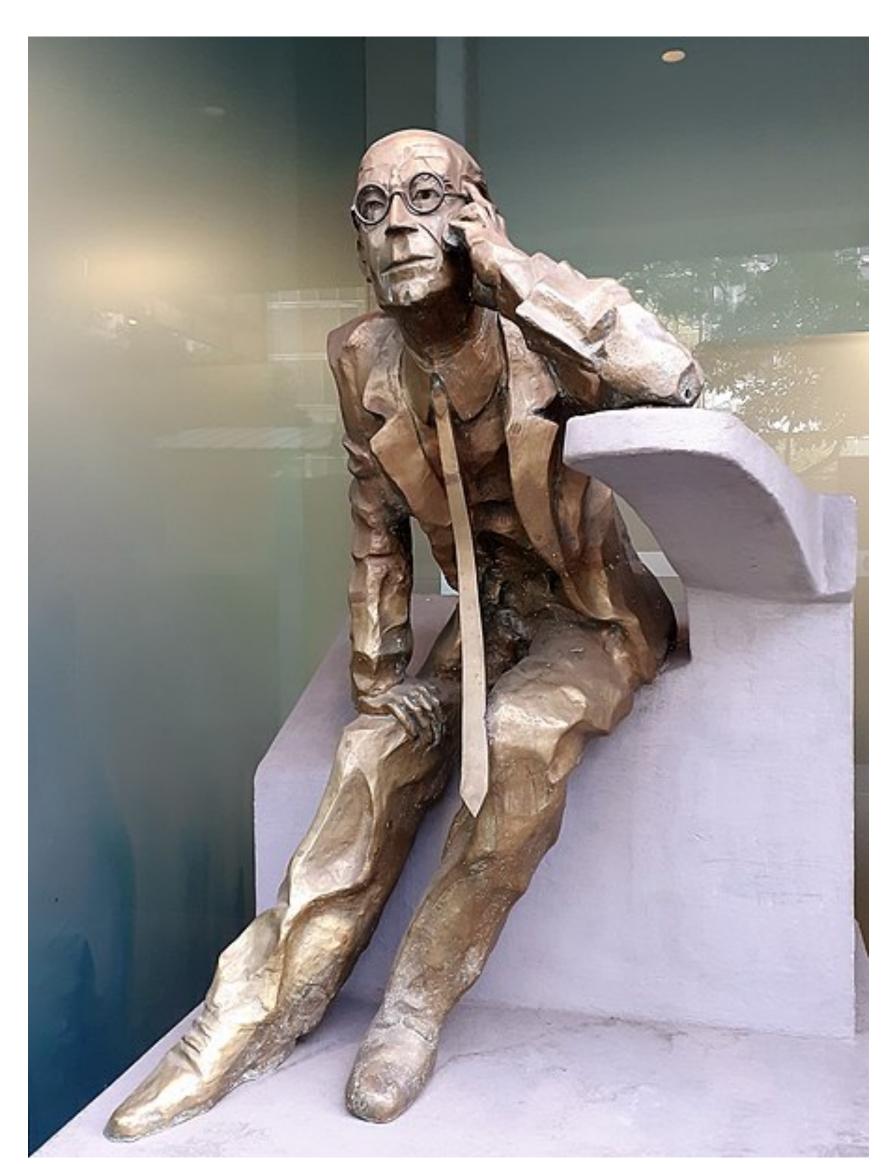
First as a student and later as a Professor of Theoretical Physics.

When he arrived at MIT the famous dome had only one year of being inaugurated.

The picture is from Karl Compton's inauguration as President of MIT in 1930 and Sandoval Vallarta probably was in the crowd.

During his summers...

- 1943: Comisión Impulsora y Coordinadora de la Investigación Científica.
- 1951: Instituto Nacional de la Investigación Científica.
- 1970: Consejo Nacional de Ciencia y Tecnología.
- 2024: Secretaría de Ciencias, Humanidades, Tecnología e Innovación.



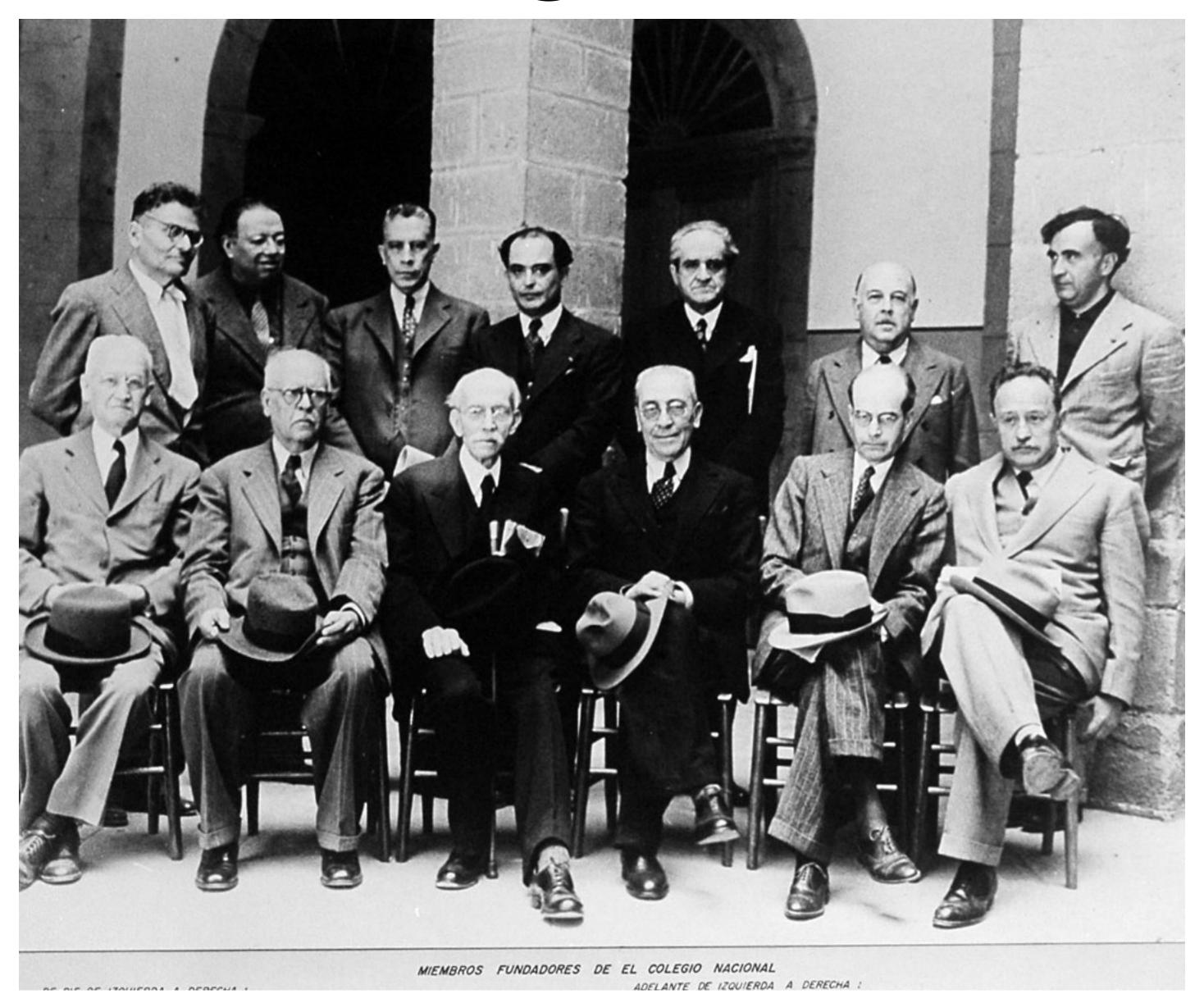
El Colegio Nacional

- Created by Presidential decree (Manuel Ávila Camacho) in 1943.
- An academy with limited membership (now 40 members) to deliver talks, write articles and books and do outreach on the topics of speciality.
- It brings together scientists, artists and humanists.
- To some degree, it is the mexican version of Le Collège de France.
- Its motto is "Libertad por el saber" (Freedom through knowledge) and its emblem is an eagle taking off (symbolizing freedom of thought) above a flaming sun (representing wisdom).

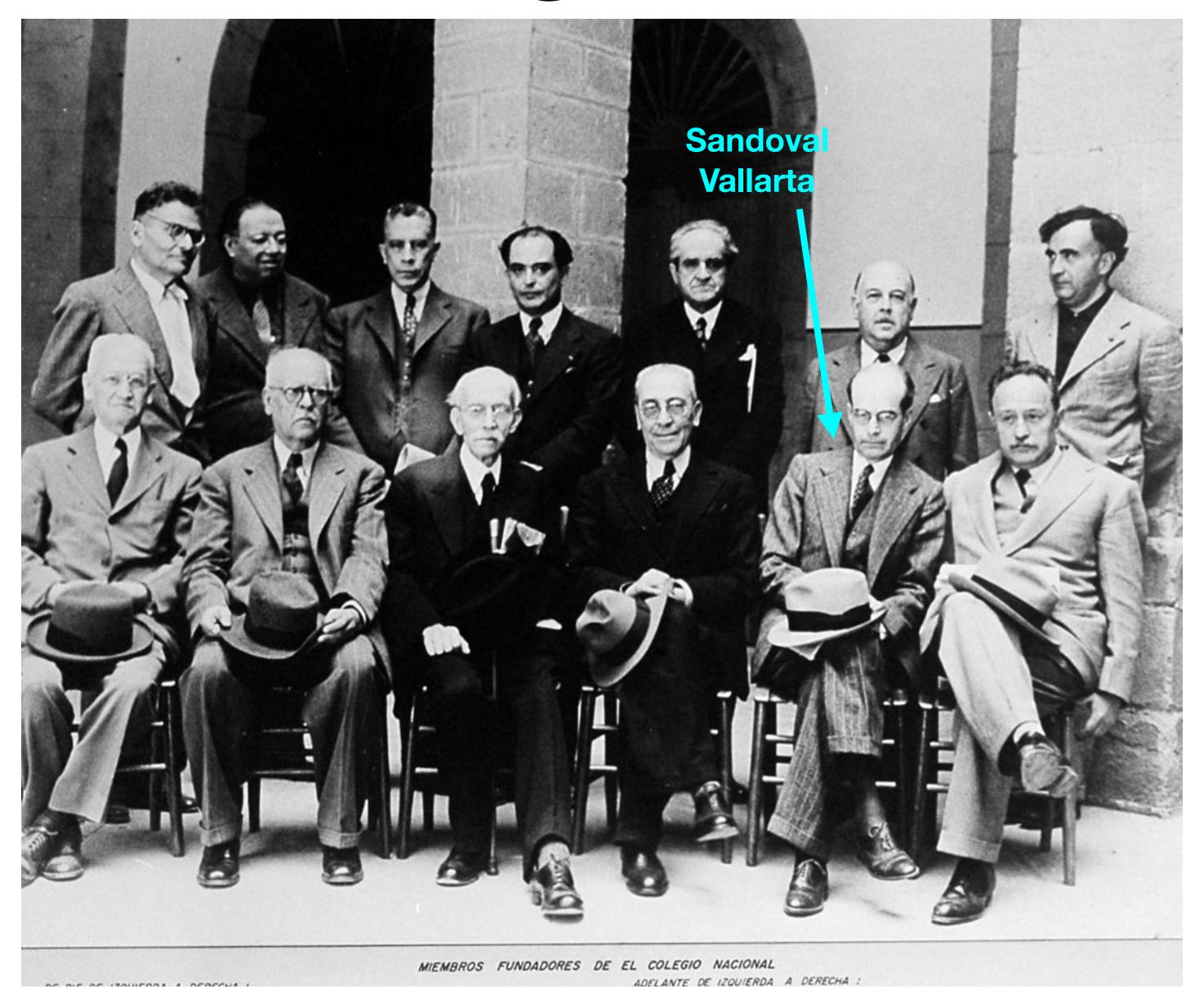
El Colegio Nacional



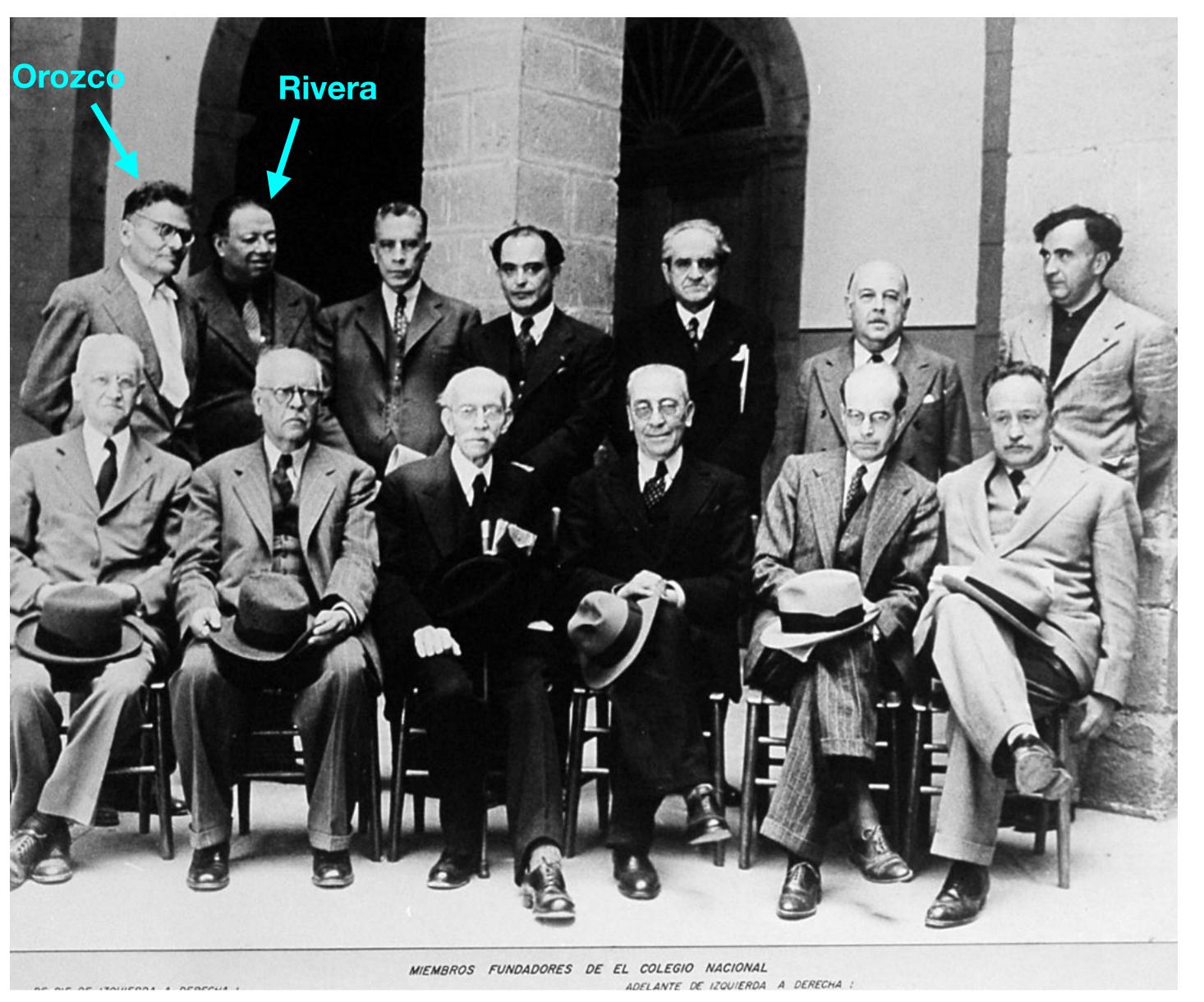
Founding members



Founding members



Founding members



Activities of El Colegio Nacional

LUIS GONZALEZ OBREGON Núm. 23

Maestro CARLOS CHAVEZ

"La Magia Musical y su Alcance en la Música Actual".

Lunes 5 y 12, a las 18 horas.

DR. ALFONSO REYES

"Prolegómenos a la Teoría Literaria". Lunes 5, 12, 19 y 26, a las 19.15 horas.

DR. ISAAC OCHOTERENA

Estudio Biológico de los Organos de los Sentidos". Martes 6, 13, 20 y 27, a las 19 horas.

DR. IGNACIO CHAVEZ

"Los Capítulos Olvidados de la Cardiología". a) El Corazón y el Embarazo; b) Cardiopatías e Intervención Quirúrgica". Martes 13, 20 y 27, a las 20.15 horas.

PINT. DIEGO RIVERA

Necesidad del Arte y su Importancia en el Desarrollo de la Unidad Continental Americana".

Miércoles 7 y 14, a las 19.30 horas.

DR. ENRIQUE GONZALEZ MARTINEZ

"Diez Excursiones de Buena Voluntad en el Campo de la Lírica Mexicana". Miércoles 21 y 28, a las 19.15 horas.

"Temas Escogidos de Física Teórica". (La Física Clásica Determinista.) Miércoles 14, 21 y 28, a las 18 horas.

DR. ANTONIO CASO

Iluminismo Francés". Jueves 1, 8, 15, 22 y 29, a las 18 horas.

ING. EZEQUIEL ORDOÑEZ

"El Panorama Geológico de México". Jueves 15, 22 y 29, a las 19.15 horas.

DR. EZEQUIEL A. CHAVEZ

"Filosofía e Historia Crítica de la Educación y Conceptos y Teorías de ésta Expuestos por los más Grandes Educadores". Viernes 2, 9, 16, 23 y 30, a las 19 horas.

LIC. JOSE VASCONCELOS

Viernes 2, 9, 16, 23 y 30, a las 18 horas.

Nota:

ARTICULO 17 del Decreto Presidencial que creó el COLEGIO NACIONAL y expedido el 8 de abril de 1943: "La asistencia a las conferencias será completamente libre y gratuita. No se llevará matrícula ni registro de ningún género, ni se pasará lista; no habrá pruebas ni exámenes de naturaleza alguna y no se expedirán certificados, diplomas o títulos."

"LIBERTAD POR EL SABER"

El Secretario-Administrador ANDRES CISNEROS

Impreso en los Talleres Gráficos Núm, I del Departamento de Publicidad y Propagando de la Secretaria de Educación Pública.

Relations outside science

On Alfvén's Hypothesis of a "Cosmic Cyclotron"

Alfvén also considers the case of two antiparallel dipoles. Qualitative, and somewhat obscure, considerations lead him again to expect synchronism, so that the objections already discussed again apply with full force.

I wish to thank Professor M. S. Vallarta for suggesting this problem and for worthwhile discussions. I thank also Dr. F. Cernuschi for his criticism.

E. R. SABATO*

Massachusetts Institute of Technology, Cambridge, Massachusetts, May 25, 1939.

^{*} Fellow of the Argentine Association for the Progress of Sciences.

¹ H. Alfvén, Nature **136**, 761 (1936).

² H. Alfvén, Zeits. f. Physik **105**, 319 (1937).

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Ernesto Sabato

El túnel



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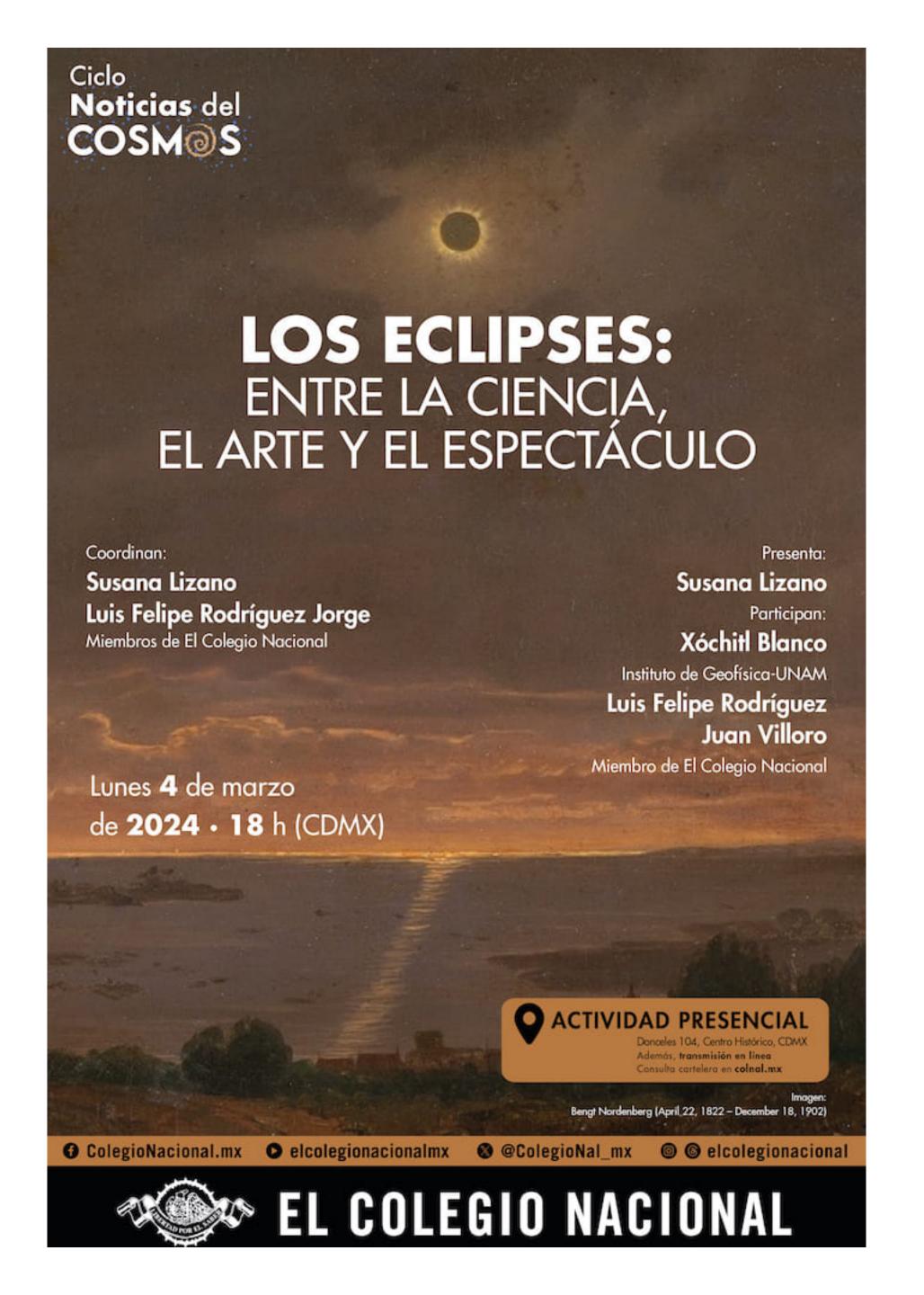




"The mathematician" by Diego Rivera









FERNANDO DEL RÍO HAZA

Destellos del cosmos

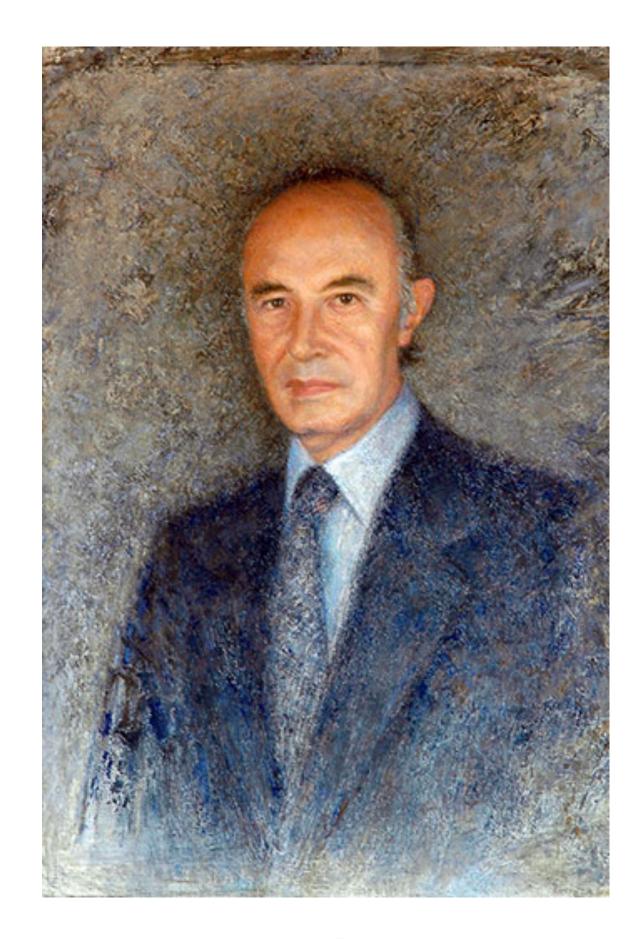
Ensayo biográfico sobre Manuel Sandoval Vallarta

B

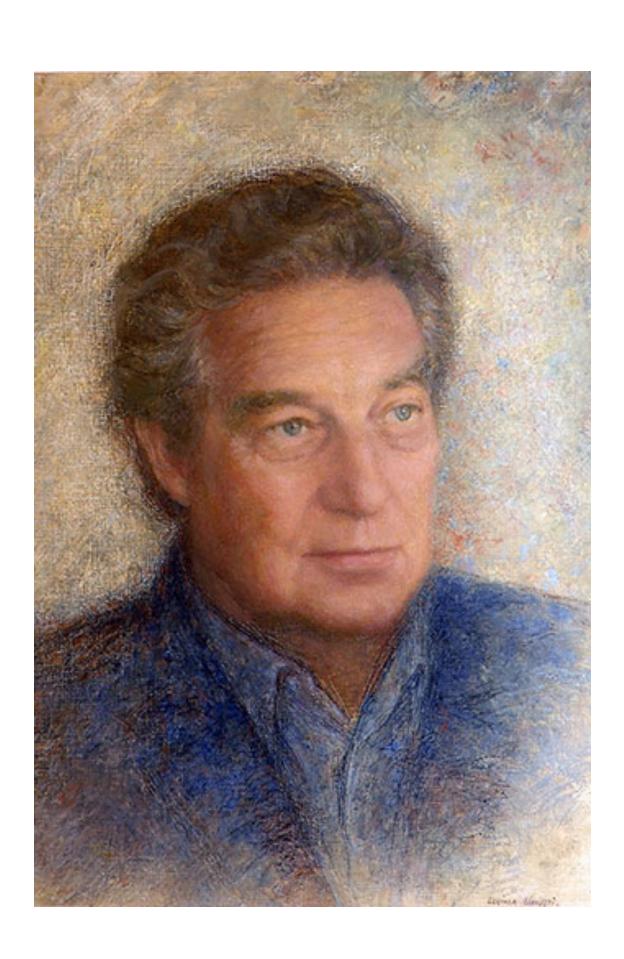
EL COLEGIO NACIONAL



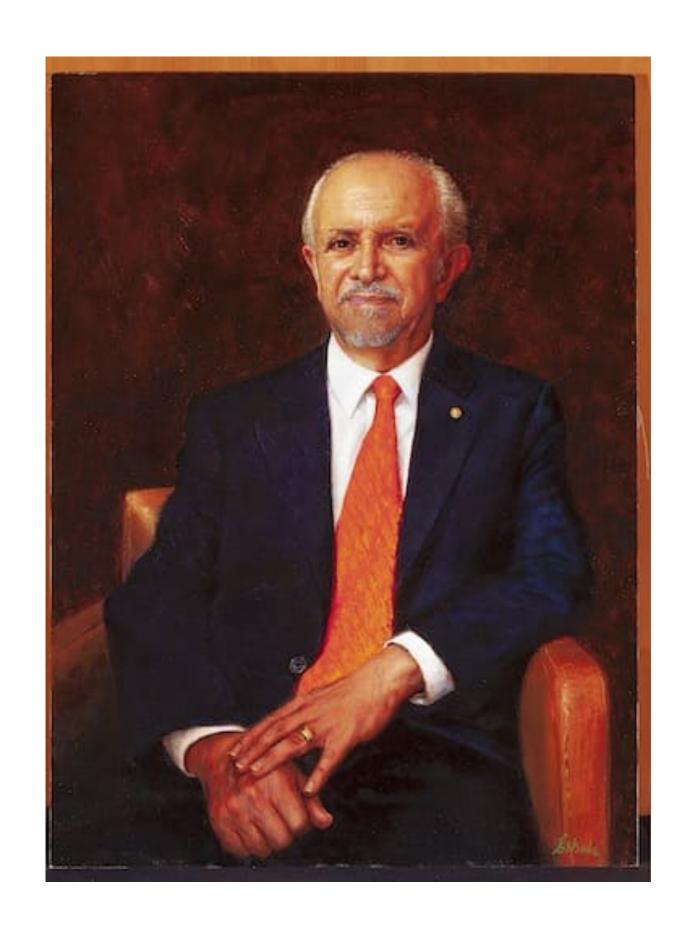
Mexican Nobel Prizes



Alfonso García Robles Peace: 1982



Octavio Paz Literature: 1990



Mario Molina Chemistry: 1995

Creation of international institutions

- In 1964 Abdus Salam creates the International Centre for Theoretical Physics (ICTP) in Trieste, Italy.
- Sandoval Vallarta was the first Scientific Director.
- In 2012 the ICTP and the Universidad Autónoma de Chiapas creates the Mesoamerican Center for Theoretical Physics in Tuxtla Gutiérrez.