

## CURRICULUM VITAE

**Name: Ivor Selwyn Sacks**

Year and place of birth: March 20, 1934, Johannesburg, South Africa

Married: Pamela (wife), one son

### **Education:**

B.S., Electrical Engineering, University of the Witwatersrand, 1956

Ph. D., Geophysics, University of the Witwatersrand, 1961

### **Professional Employment:**

1955 – 1962: Research Officer, Bernard Price Institute for Geophysical Research, University of the Witwatersrand

Involved in seismic and gravity research at sea, crustal refraction seismology, mine tremors. Developed variable-frequency, continuous-excitation seismic reflection/refraction systems.

1964 – present: Staff Member, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D.C.

### **Professional Service:**

1965 – 1973: Board of Directors, Geophysical Institute of Peru

1972 – 1975: Committee on Seismology, National Research Council, National Academy of Sciences

1984: Carnegie Evening Speaker, “The Mobile Earth”

1984 – 1988: Board of Directors, Incorporated Research Institutions for Seismology (IRIS)

1984 – 1985: Member, Advisory Committee, Ocean Drilling Program, Joint Oceanographic Institutions

1984 – 1988: Member, National Earthquake Prediction Evaluation Committee

1984 – 1986: Member, Standing Committee, Program for Array Seismic Studies of the Continental Lithosphere (PASSCAL), IRIS

1984 – 1987: Co-chair, PASSCAL Instrumentation Design Team, IRIS

1984 – 1988: Geodynamics Committee, National Research Council, National Academy of Sciences

1986 – 1989: Committee on Seismology, National Research Council, National Academy of Sciences

1986 – present: Co-Chairman, ELAS (Electromagnetic Lithosphere - Asthenosphere Sounding), International Association of Geomagnetism and Aeronomy

1988 – 1991: Chairman, Panel on Real Time Earthquake Warning, Committee on Seismology, National Research Council, National Academy of Sciences

2001 -: Chair, IRIS Instrumentation Committee

**Honors:**

1993: Fellow, American Geophysical Union

**Recent Patents:**

#5739435. Strain sensing device. April 14, 1998

A modified transducer system to increase dynamic range and preserve baseline

#5900545. Strain monitoring system. May 5, 1999

A very high-pressure, very high-temperature strainmeter with high sensitivity

### Selwyn Sacks: Publications

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- James, D. E., I. S. Sacks, L. E. Lazo, and G. P. Aparicio, On locating local earthquakes using small networks, *Bull. Seismol. Soc. Amer.*, 59, 1201-1212, 1969.
- Sacks, I. S., Anelasticity of the outer core, *Carnegie Inst. Wash. Year Book*, 69, 414-416, 1971.
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- Linde, A. T., and I. S. Sacks, Dimensions, energy, and stress release for South American deep earthquakes, in *Symposium on the Results of Upper Mantle Investigations with Emphasis on Latin America, Vol. II*, pp. 211-227, Comite Argentino del Manto Superior, Buenos Aires, 1972.
- Sacks, I. S., Geographic distribution of absorption of shear waves in South America and its tectonic significance, in *Symposium on the Results of Upper Mantle Investigations with Emphasis on Latin America, Vol. II*, pp. 245-253, Comite Argentino del Manto Superior, Buenos Aires, 1972.
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