

The background features a collection of stylized, dark grey leaves of various shapes and sizes, some with white veins. There are also several solid dark grey circles scattered throughout the design. The text is centered and overlaid on this background.

New Instrument investment with the UK
contribution or
'Money matters but People are peerless'

Brian Fender

29th November 2023

ILL

UK An Early Step to the ILL London 1968

SRC
Science and Technology Committee



Chairman: Ewart Jones Organic Chemist

Bill Mitchell
'father' of UK
neutron
scattering



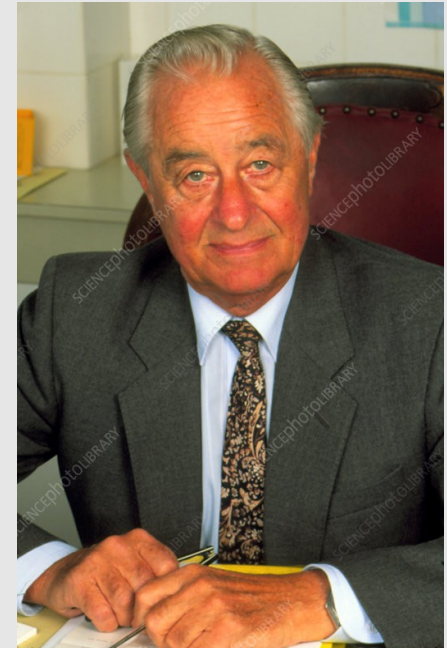
Walter Marshall, Harwell
Director



BF
Deputising for
Professor J S
Anderson



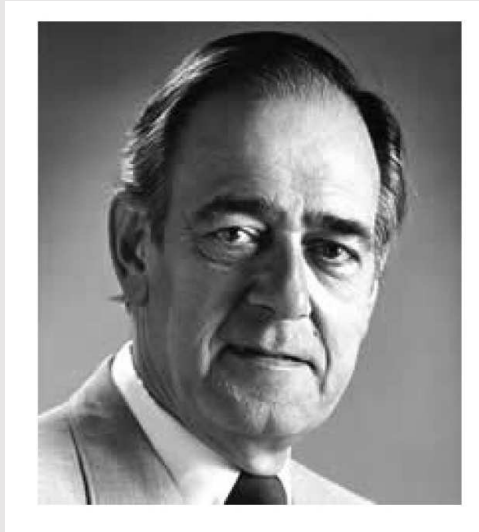
Application for grant to hire
beam time on Harwell
(Aldermaston) reactors



George Porter, Chemistry Nobel Prize 1967

To join the ILL or a British High Flux Beam Reactor? 1972

Growing Community of
UK neutron scatterers
merits joining ILL



Brian Flowers, Chairman SRC

‘Three years ago, the interest in the use of neutron beams ...was sufficient to justify the construction of a high flux reactor. **(The ILL) facilities are unable to meet the full scientific demand**’.- *SRC Annual Report 1974-5*



‘Godfather Mitchell’



Roger Cowley



SRC delivers!



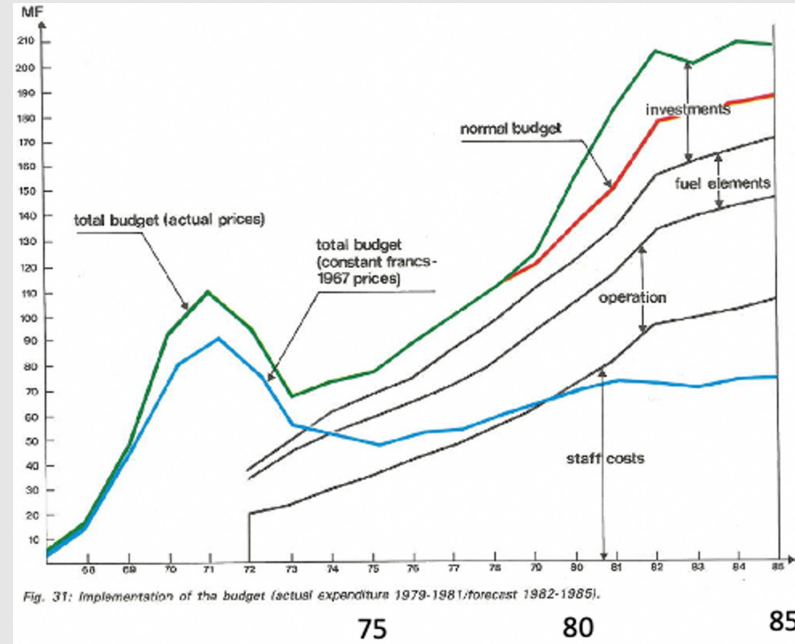
ISIS

Professor Sir Sam Edwards SRC chairman 1973-77
Oversaw increased support for central facilities including funding for the ILL (deuxième souffle), approval of ISIS pulsed neutron source, X ray synchrotron source(Daresbury) and laser facility.

ILL 'deuxième souffle'



Jules Horowitz Research Director CEA:
Stalwart of the Steering Committee
Expertise vital for backing an ongoing reactor renewal programme.
Key supporter of ESRF in Grenoble.
Recognised by the JHR Materials Test Reactor at Cadarache



Wider implications

- Confirms success of reactor and instruments - cold source
- Caters for strong user demand
- Encourages innovation in instruments, guides and detectors
- Begins a culture of regular modernisation

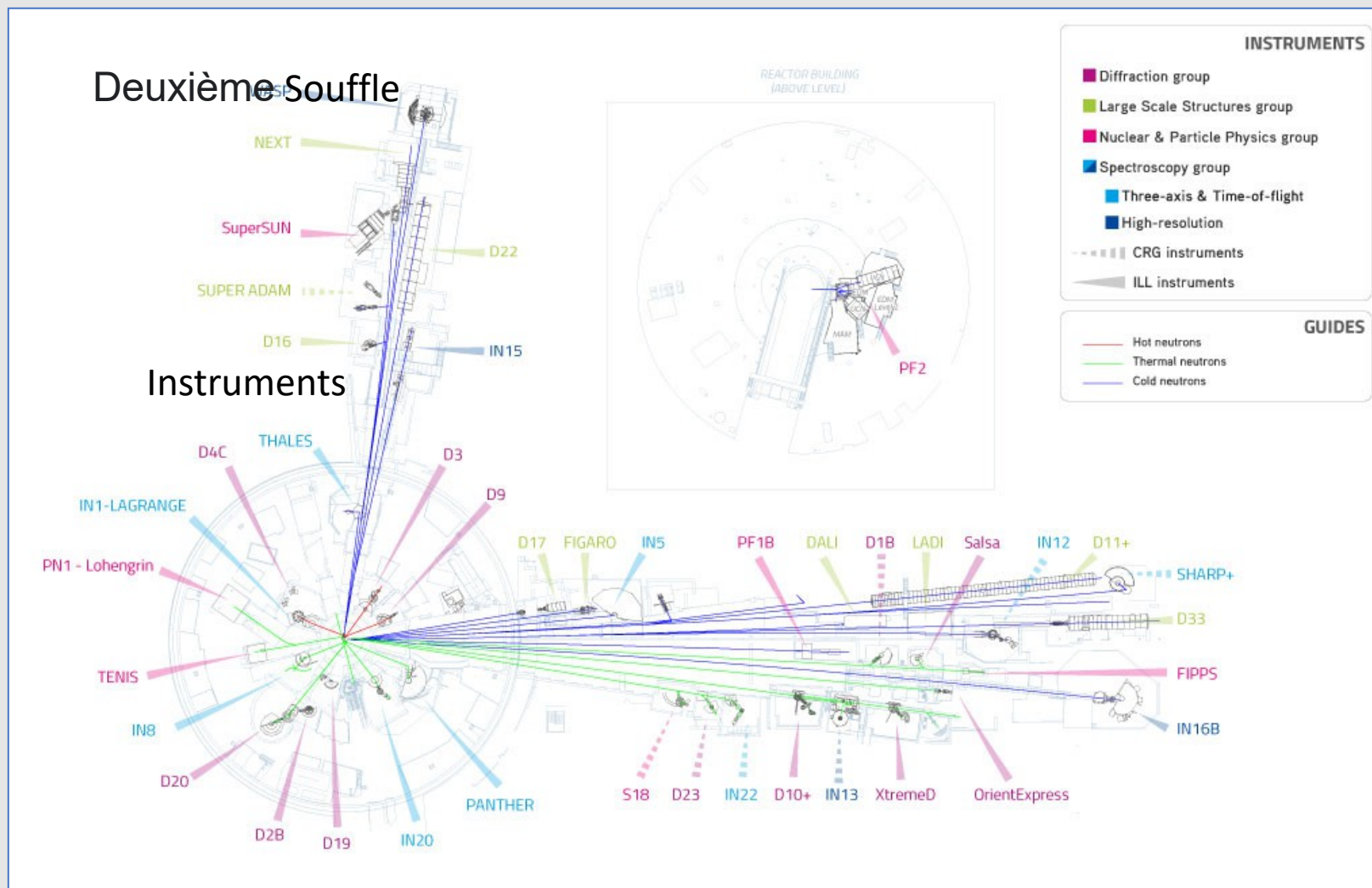


John White 1st British Director

Three underlying principles:

1. No compromise of beam intensity at instruments
2. Complementarity with national sources
3. Computing power at instruments

ILL Instruments 2023



UK membership of ILL Steering Committee concerns: Purchase of British goods; Net cost of ILL budget



Discussions in
1985 accelerated
Scientific
Membership

Today ↘



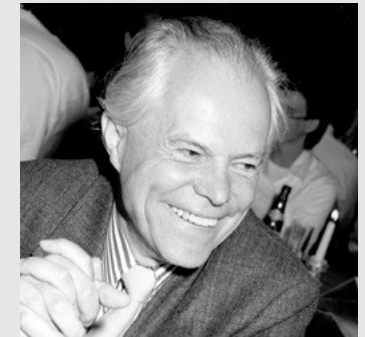
UK initial membership of the ILL

A world-leading legacy sustainable for well over 50 years

Alan,
Joe,
Julia,
&
Bill



Enterprising and independent 'Brits'; creative and welcoming French and Germans



Julia, Bill, Alan, Joe, Mick Lomer, and John Hayter. Together with David Wheeler, Denis Rimmer, Ron Ghosh

Interdependent science and technology
Catalyst for international collaboration
User led- open, creative and diverse
Minimal hierarchies –people trusting
Limited term Directors
Successful, supportive governance
French company legalities

