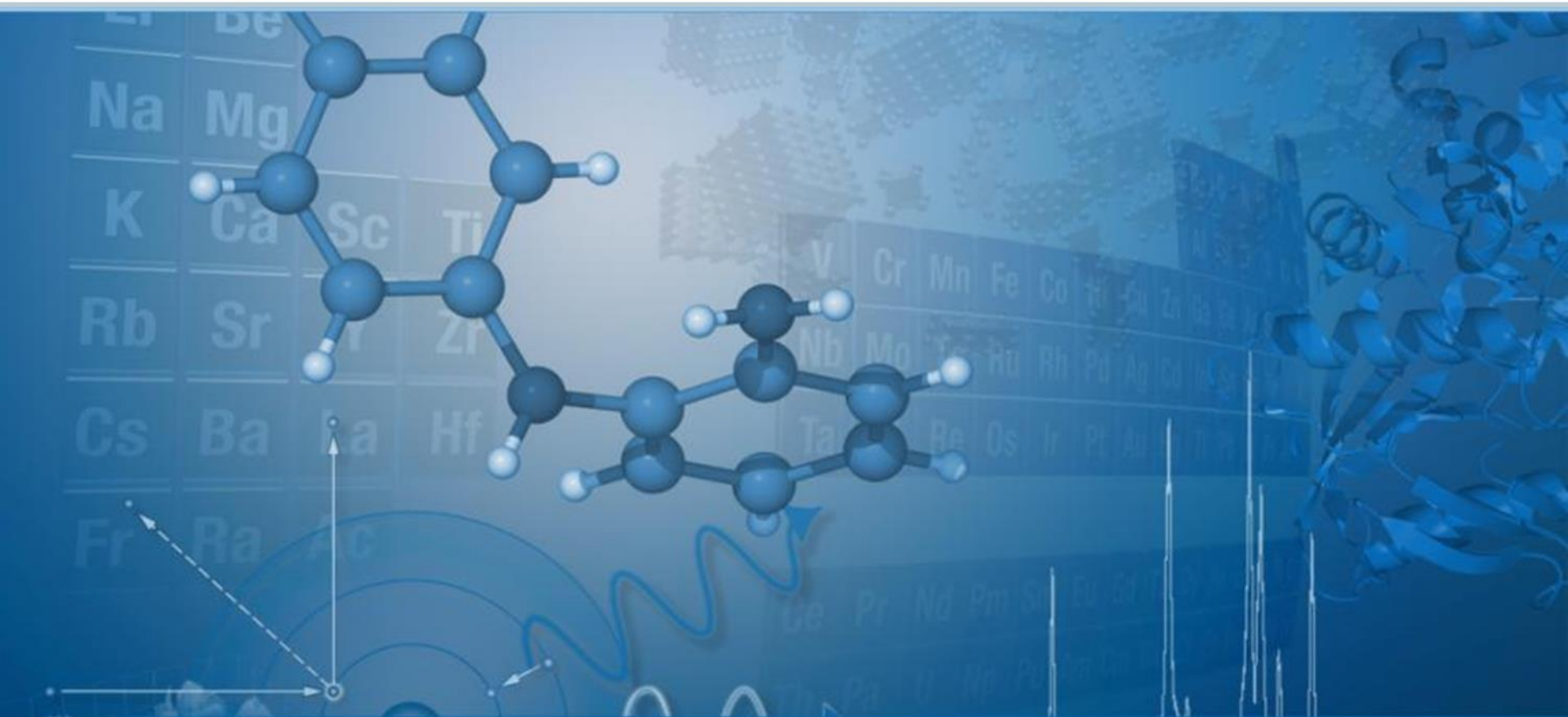


MIT Symposium February 24, 2018



HONORING FOUR GREAT CRYSTALLOGRAPHERS: PHILIP COPPENS, HOWARD FLACK, ISABELLA KARLE AND DICK MARSH

Susan K. Byram, Bruker AXS crystallographic systems
Sue.byram@bruker.com or +1-608-347-6035

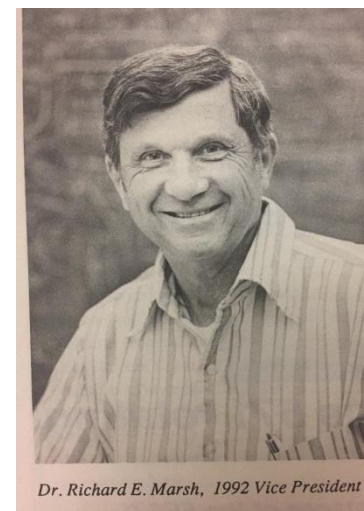
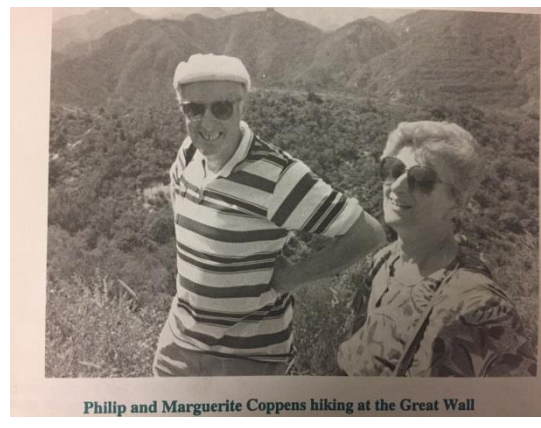
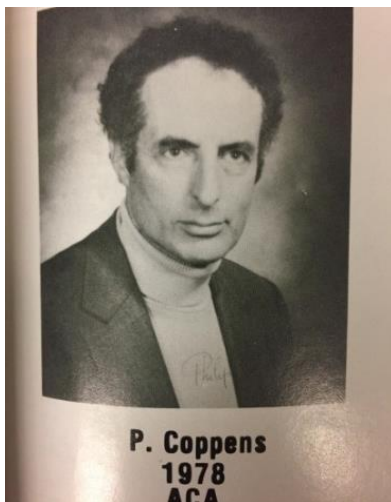
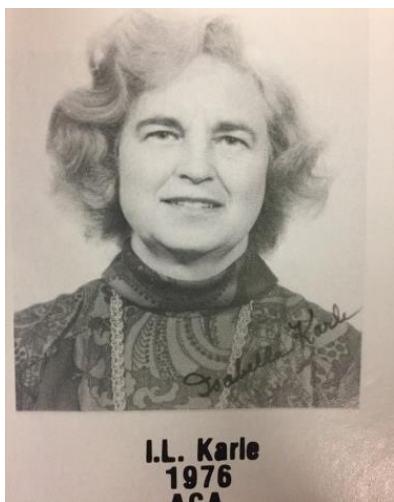


What do these luminaries have in common?



ACA pres? IUCr pres? Wiki entry? MIT symp speaker? ACA history site? IUCr site?

	ACA pres?	IUCr pres?	Wiki entry?	MIT symp speaker?	ACA history site?	IUCr site?
Phil Coppens	1978	1993-1996	yes	2007	yes	yes
Howard Flack			yes	invited		yes
Isabella Karle	1976		yes		yes	
Dick Marsh	1993				yes	yes



Crystallography in North America, ACA 1983, photos of ACA presidents

ACA Reflexions, IUCr 1993 Beijing, Coppens election as IUCr president

ACA Reflexions, 1992

Dr. Howard D. Flack (1943 – 2017)

University of Geneva, Switzerland



Photo credit IUCr

Howard Flack died quite suddenly February 2, 2017.

He was in the midst of active collaborations when he fell ill, according to the remembrances written by David Watkin and Dieter Schwarzenbach in IUCr volume 50, part 2, pages 666-667.

As Wiki tells us, his name shall live on: 'in X-ray crystallography, the Flack parameter is a factor used to estimate the absolute configuration of a structural model determined by single-crystal structure analysis'.

IUCr photo above shows Howard at ECM 18 (1998) in Prague, demonstrating how to dissect an apple into two identical chiral halves.

Dr. Howard D. Flack (1943 – 2017)

University of Geneva, Switzerland

See the Howard Flack Memorial Issue of
Tetrahedron Asymmetry,
Vol 28 No 10, October 2017.

Four invited overview articles on different aspects
of absolute structure determination:

- Tranter & Le Pevelen, Chiroptical spectroscopy and the validation of crystal structure stereochemical assignments.
- Wenzel, Strategies for using NMR spectroscopy to determine absolute configuration.
- Parsons, Determination of absolute configuration using X-ray diffraction.
- Linden, Best practice and pitfalls in absolute structure determination.



Photo credit IUCr