

The oldest surviving Periodic Table wallchart.

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Topic:History of the Periodic Table

Abstract:

Four years ago, a cleaning up of a storage area underneath a lecture theatre in St Andrews School of Chemistry revealed a time-worn periodic table. Its significance was immediately recognized, despite its brittle and fragile condition that suggested an eventful life in a laboratory or classroom as well as long years of storage.¹

In consultation with experts, it emerged to be the earliest surviving teaching chart of the Periodic Table.²

This paper will recount the discovery of the Periodic Table and our ability to date this artifact and determine its provenance, making reference to the relevance of the Periodic Table on how the teaching of chemistry was done at the time and its links to major Scottish chemists such as Thomas Purdie.

References

- <https://www.youtube.com/watch?v=2eRLeS1UdPo>
- <https://www.youtube.com/watch?v=FfC4OGbbHLc>

Periodische Gesetzmässigkeit der Elemente nach Mendelejeff.

Reihen	Gruppe I R ² O	Gruppe II RO	Gruppe III R ² O ³	Gruppe IV RH ⁴ RO ²	Gruppe V RH ³ R ² O ⁵	Gruppe VI RH ² RO ³	Gruppe VII RH R ² O ⁷	Gruppe VIII RO ⁴
1	H=1							
2	Li=7	Be=9,4	B=11	C=12	N=14	O=16	F=19	
3	Na=23	Mg=24	Al=27,3	Si=28	P=31	S=32	Cl=35,5	
4	K=39	Ca=40	Sc=44	Ti=48	V=51	Cr=52	Mn=55	Fe=56, Co=59 Ni=59, Cu=63
5	(Cu=63)	Zn=65	Ga=68	--72	As=75	Se=79	Br=80	
6	Rb=85	Sr=87	Yt=88	Zr=90	Nb=94	Mo=96	--100	Ru=104, Rh=104 Pd=106, Ag=108
7	(Ag=108)	Cd=112	In=113	Sn=118	Sb=122	Te=125	J=127	
8	Cs=133	Ba=137	Ce=137	La=139	--	Di=145?	--	
9	(-)	--	--	--	--	--	--	
10	--	165	169	Er=170	--173	Ta=182	W=184	Pt=194, Os=195(?) Ir=193, Au=196
11	(Au=196)	Hg=200	Tl=204	Pb=208	Bi=210	--	--	
12	--	--	--	Th=231	--	U=240	--	