

Inhaltsverzeichnis des 112. Bandes

Max von Laue-Festschrift I

Ausgegeben am 9. Oktober 1959

<i>Max Born</i> (Bad Pyrmont), Erinnerungen an MAX VON LAUE's Entdeckung der Beugung von Röntgenstrahlen durch Kristalle	1
<i>J. D. Bernal</i> (London), Order and disorder and their expression in diffraction	4
<i>A. L. Patterson</i> (Philadelphia, Pennsylvania), Function spaces between crystal space and Fourier-transform space	22
<i>Leonid V. Azároff</i> (Chicago), Formation, structure, and bonding of Ni-Co-Mn oxides having spinel-type structure. (With 2 figures)	33
<i>Alfred J. Frueh, Jr.</i> (Oslo), The structure of hessite, $\text{Ag}_2\text{Te}\text{-III}$. (With 3 figures)	44
<i>A. Pabst</i> (Berkeley, California), False symmetry, the Templeton effect, in lawsonite. (With 1 figure)	53
<i>Hans Dachs</i> (Upton, New York), Bestimmung der Lage des Wasserstoffs in LiOH durch Neutronenbeugung. (Mit 1 Abbildung)	60
<i>J. Monteath Robertson</i> (Glasgow), A study of thermal motion in hydrogen-bonded crystals. (With 9 figures)	68
<i>H. Jagodzinski</i> (Würzburg), Die Kristallstruktur des AuJ . (Mit 4 Abbildungen)	80
<i>H. Saalfeld</i> (Würzburg), Einkristalluntersuchungen zum Problem der Hydrargillit-Entwässerung. (Mit 2 Abbildungen)	88
<i>Elizabeth A. Wood</i> (Murray Hill, New Jersey), Precession photographs of reciprocal-lattice rods in HfFe_2 . (With 6 figures)	97
<i>Dan McLachlan, Jr.</i> (Menlo Park, California), The extension of certain methods of sign determination. (With 4 figures)	108
<i>O. W. Flörke</i> (Würzburg), Regelungserscheinungen bei der paramorphen Umwandlung von SiO_2 -Kristallen. (Mit 6 Abbildungen)	126
<i>G. W. Brindley and M. Nakahira</i> (University Park, Pennsylvania), X-ray diffraction and gravimetric study of the dehydration reactions of gibbsite. (With 8 figures)	136
<i>J. R. Townsend, G. A. Jeffrey and G. N. Panagis</i> (Pittsburgh, Pennsylvania), An experimental study of anomalous x-ray scattering by zinc sulfide and zinc oxide. (With 3 figures)	150
<i>Gabrielle Donnay</i> (Washington, D. C.), <i>J. Wyart</i> and <i>G. Sabatier</i> (Paris), Structural mechanism of thermal and compositional transformations in silicates	161
<i>R. Lacmann</i> (Berlin-Dahlem), Methoden zur Ermittlung der Gleichgewichts- und Wachstumsflächen von homöopolaren Kristallen bei der Adsorption von Fremdstoffen	169
<i>Kathleen Lonsdale</i> (London), Experimental studies of atomic vibrations in crystals and of their relationship to thermal expansion. (With 1 figure)	188
<i>Joan R. Clark and C. L. Christ</i> (Washington, D. C.), Studies of borate minerals (VIII): The crystal structure of $\text{CaB}_3\text{O}_5 \cdot 2 \text{H}_2\text{O}$. (With 3 figures)	213
<i>Isamu Nitta</i> (Osaka, Japan), On the orientational and rotational disorder in molecular crystals. (With 12 figures)	234

<i>B. E. Warren</i> (Cambridge, Massachusetts), Small-angle scattering from large volumes. (With 2 figures)	2555
<i>Tom. F. W. Barth</i> (Oslo), The interrelations of the structural variants of the potash feldspars. (With 5 figures)	2633
<i>Mary E. Mrose</i> (Washington, D. C.) and <i>Oleg von Knorring</i> (Leeds, England), The mineralogy of väyrynenite, $(\text{Mn}, \text{Fe})\text{Be}(\text{PO}_4)_2(\text{OH})$. (With 3 figures)	2755
<i>Joachim Stabenow</i> (Berlin-Dahlem), Elektroneninterferenzen an über-einanderliegenden Kristallschichten. I. Orientierte Verwachsung von Mikrokristallen aus Molybdändisulfid. (Mit 5 Abbildungen)	2889
<i>G. Hildebrandt</i> (Berlin-Dahlem), Gekrümmte Röntgenstrahlen im schwach verformten Kristallgitter. A. Laue-Fall der Interferenz. (Mit 14 Abbildungen)	3122
<i>G. Hildebrandt</i> (Berlin-Dahlem), Gekrümmte Röntgenstrahlen im schwach verformten Kristallgitter. B. Bragg-Fall der Interferenz. (Mit 12 Abbildungen)	3400
<i>D. R. Fitzwater</i> and <i>R. E. Rundle</i> (Ames, Iowa), Crystal structure of hydrated erbium, yttrium and praseodymium ethylsulfates. (With 2 figures)	3622
<i>K. A. Becker</i> , <i>G. Grosse</i> und <i>K. Plieth</i> (Berlin-Dahlem), Röntgenstrukturanalyse des <i>trans</i> -Dichlorodiäthyldiaminkobalt-III-chlorids. (Mit 8 Abbildungen)	3755
<i>D. W. J. Cruickshank</i> , <i>G. A. Jeffrey</i> and <i>S. C. Nyburg</i> (Leeds, England), The crystal structure and atomic vibrations of 1,2-diphenyltetrafluoroethane. (With 5 figures)	3855
<i>D. E. Zuccaro</i> and <i>J. D. McCullough</i> (Los Angeles, California), The crystal structure of trimethylsulfonium iodide. (With 2 figures)	4011
<i>Joseph Shropshire</i> , <i>Paul P. Keat</i> and <i>Philip A. Vaughan</i> (New Brunswick, New Jersey), The crystal structure of keatite, a new form of silica. (With 3 figures)	4099
<i>C. A. Beevers</i> and <i>H. W. Ehrlich</i> (Edinburgh), The interpretation of the Patterson synthesis in x-ray crystallography. (With 9 figures)	4144
<i>S. C. Abrahams</i> (Murray Hill, New Jersey), A neutron diffraction study of ZrZn_2 at 298°K and at 5°K . (With 1 figure)	4277
<i>S. Hirokawa</i> , <i>Y. Okaya</i> , <i>F. M. Lovell</i> and <i>R. Pepinsky</i> (University Park, Pennsylvania), The crystal structure of aureomycin hydrochloride. (With 13 figures)	4399
<i>W. Cochran</i> (Chalk River, Ontario), Dielectric constants and lattice vibrations of cubic ionic crystals	4655
<i>Linus Pauling</i> and <i>Barclay Kamb</i> (Pasadena, California), The discussion of tetragonal boron by the resonating-valence-bond theory of electron-deficient substances. (With 1 figure)	4722
Autorenregister zu Band 112	4799
Sachregister zu Band 112	4800

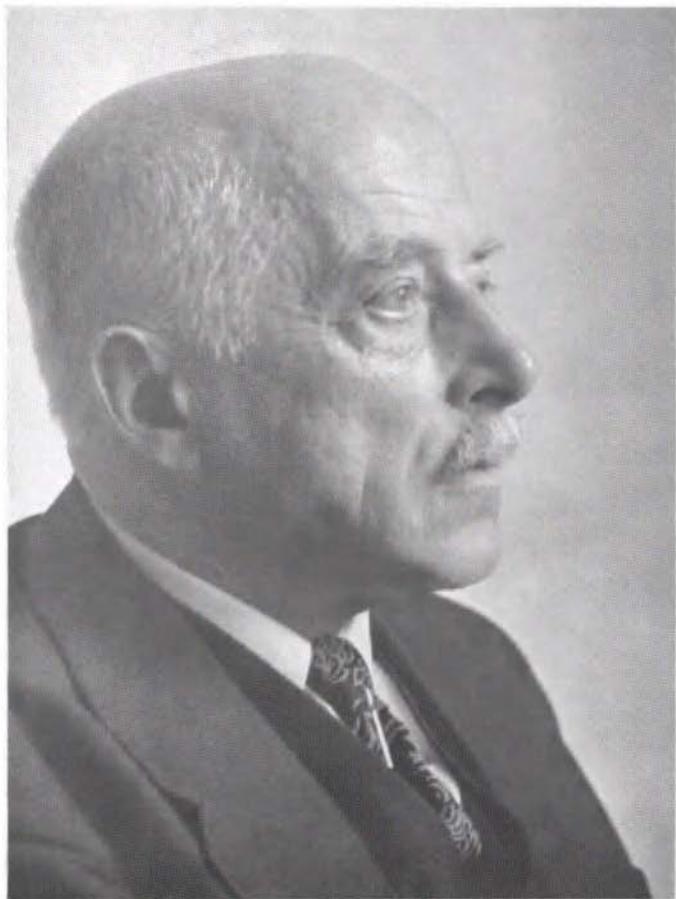


Photo: Deutsches Museum, München

M. v. Laue

9. 10. 1879 — 9. 10. 1959