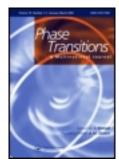
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Structural phase transitions in crystals. I. Database

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REVIEW

Structural Phase Transitions in Crystals I. Database

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(Received 8 September 1991)

The database on structural phase transitions is presented in the simple and easy accessible form of table. The symmetry changes and temperature for 3446 phase transitions and the references for each of 2242 registered crystalline materials with well defined stoichoimetry are the main data in this table. The rules for constructing and reading the database table are also presented.

KEY WORDS: Phase transition, symmetry changes, database.

The data on structural phase transitions in crystals are scattered in the physical and chemical literature. Up and now these data have not been collected and reviewed, and the lack of any systematic and complete information has been remarked upon several times. Responding to these requirements, the work on the *Database of structural phase transitions in crystals* was started in 1985.

The source database (not to be confused with this article) at present contains information on 3446 phase transitions reported in 2242 crystalline materials (including 128 organic). Nonstoichiometric crystals, solid solutions as well as liquid crystals are out of the scope of this data-base. All recorded phase transitions are of the structural type. Magnetic and superconducting phase transitions not involving crystal structure changes are omitted.

Each entry in the source database contains—if available—information on the structural and physical properties of both phases linked by the phase transition, as well as references. The basic data are transition temperature and space groups (or in general—symmetry) of both phases. If available, further information on lattice parameters in the vicinity of the structural phase transition (numerical values and plots vs. temperature), as well as the type and character of phase transition are also included.

The idea of such a database and some statistical data based on its content was presented several times at different national and international conferences (e.g. 7th Polish-Czechoslovak Seminar on Ferroelectrics in Karpacz, 1986; CODATA Conference in Ottawa, 1986 (Tomaszewski and Łukaszewicz 1986); 12 ECM in Moscow, 1989 (Tomaszewski and Łukaszewicz, 1989), 7 EMF in Dijon, 1991 (Tomaszewski,

1991). The great interest expressed by many participants of these conferences encouraged the author to continue the collection of the phase transition data scattered in the literature. After several years of using and updating the database of structural phase transitions in crystals it was decided to present the main part of it in a more accessible way—as a simple table showing only the symmetry changes for each structural phase transition and the sequence of phase transitions for each recorded crystal. Because of the high level of activity in this field in the recent times, updating of the data base seems to be necessary and is being planned. It is also intended to prepare the full database of structural phase transitions in a computerized form in order to make it easily available.

The table presented here was prepared by using rules which are described below.

a. General remarks

The main purpose of this paper is the presentation of symmetry changes during phase transitions. The table content was, therefore, limited to the most important data: sequences and symmetry of phases and phase transition termperatures. Ferroelectric, antiferroelectric and incommensurate phases are marked by using special fonts.

b. Crystal name

The compounds are ordered alphabetically by their chemical formulae. For alkylammonium ions the supplementary rule adopted here is the ordering of compounds by the growing number of the same atom. Thus, according to this rule, the sequence of compounds goes from $N(CH_3)_4...$; $N(C_2H_5)_4...$; $NH(CH_3)_3...$; $NH(CH_3)_3...$; $NH_2(CH_3)_2...$ up to $NH_4...$ and $N_2H_5...$ etc. A few inconsistencies may occur for organic groups with the same chemical formula but with different configurations (e.g.: n-propylamine and iso-propylamine have the same formula $NH_2C_3H_7$).

If the user finds a particular crystal missing, he should vertify if the formula could be written in a slightly different way and search in a new place in the table. For example: LiKSO₄ instead of KLiSO₄, NH(CH₃)₃... instead of (CH₃)₃NH... and so on. For a few compounds their commonly used names or abbreviations (e.g. TGS, tanane) are included at the beginning of each letter with a reference to its chemical formula, if possible.

c. Symmetry of phases

The phases are presented from the left to right side of the table by specifying their space groups in order of increasing temperature. No statements about multiplication of the unit cells are given.

For incommensurate phases the basic space group is given or, if available, the 4-dimensional super-space group. The latter is printed as a two-line symbol (the first part corresponding to the upper line of the symbol and the second to the bottom line). If the correct space group is not known the abbreviation *inc.* is used. It should also be noted that the space group symbols are taken directly from the reference paper; thus the choice of axes may be not the same for all phases of the crystal.

In cases where only the point groups are known, they are presented instead of space groups. If only the crystal sytems are known, they are marked by the following abbreviations: tricl., monocl., ortho., tetr., hex., trig. (=trigonal or rhombohedral) and cubic.

There are some confusions in the literature concerning the hexagonal or rhombohedral/trigonal symmetry (frequently the trigonal symmetry is marked as hexagonal). It was not possible to avoid such incorrectness in the table and, consequently, in the further analysis of data (see: Part II).

When the data are unknown or controversial the sign "?" is used.

The symbols of space groups, point groups or crystal systems are in some cases printed in special fonts to mark special physical properties:

italic—for incommensurate phases,

bold—for ferroelectric (or antiferroelectric) phases.

d. Transition temperature

The transition temperature is always given in kelvins (K). In general, the given temperature is to be treated as the value on heating the crystal. For several cases the temperature was not known by the author (e.g. some data were taken from sources not interested in transition temperatures). There is also a problem with irreversible phase transitions—this fact is not marked in the table.

e. High-pressure data

An asterisk * placed before the entry marks the existence of a corresponding entry in the *Database for phase transitions at high pressures* (which will be published separately). Note that there are also crystals undergoing phase transitions at high pressures only which are not listed in the present table.

f. References

The database presented in this paper is the result of careful inspection of several journals and a few source-books. It was, nevertheless, unavoidable that some data has escaped the author's knowledge and the references cited in the table may not be the most significant or competent papers concerning a given entry. Moreover, the lack of space in the table resulted in the limitation of references to one or exceptionally two positions.

The symbols used in this paper have been adopted from the Landolt-Boernstein source-books. This means that the first two digits mean the year of publication and the other letters are taken from the authors name(s). The references are thus ordered by years and alphabetically within each year. If there are more than three authors of a paper, only the first name is printed*.

^{*} In view of the large number of cited sources, an exception has been made in the form of citations, namely the full titles of articles and complete lists of authors have been omitted (Editor).

It is hoped that the present table will be a helpful documentation for those working in the field of structural phase transitions. The content of the table may be used for different types of studies not only for searching for the necessary data but also for statistical analysis. The result of a few such analyses is presented and discussed in Part II of this paper.

In 1987 the compilation of a similar database was started for structural phase transitions at high pressures. Preliminary results were presented at several conferences (e.g. 12 AIRAPT at Paderborn, 1989 (Tomaszewski, 1990), XXVIII EHPRG Conference at Bordeaux, 1990) and will be the subject of a separate publication.

Acknowledgements

I would like to thank Prof. K. Łukaszewicz from my Institute for suggesting the compilation of the database on structural phase transitions and his great interest in its realization. Many thanks are due to Prof. J. Fousek from the Institute of Physics in Prague for helpful discussions and to Dr. A. M. Glazer from Clarendon Laboratory in Oxford for encouraging support.

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Crystal	Phase 1	<i>T</i> 1	Phase 2	T2	Phase 3	References
Adamantane - see	: C ₁₀ H ₁₆					
Ag ₃ Al	P4 ₃ 21	720	?	878	Im3m	TA.1; TA.3
AgAsS ₂	trig.	593	monocl.			TA. 1
Ag ₃ AsS ₃	Сс	28	R3	43	inc.	
3. 3		67	R3c			88Bai
Ag ₇ AsS ₆	cubic	533	cubic			TA. 1
AgAsSe ₂	tetr.	658	R3m			PH. 2
Ag ₃ AsSe ₃	?	473	trig.			TA. 1
Ag ₇ AsSe ₆	P2 ₁ 3	423	F43m			TA. 1; PH. 2
AgAuI ₂	tetr.		tetr.?			TA. 1
AgAuS	monocl.	580	Pn3m			PH. 2
Ag ₃ AuSe ₂	14,32	543	cubic			PH. 2
Ag ₃ AuTe ₂	14 ₁ 32	593	cubic			TA. 1
AgBF	Pnma	494				t.7.11
AgBS	cubic	?	tetr.			TA. 1
AgBiS ₂	P3m1	448	Fm3m			59Ge
AgBiSe ₂	P3m1	393	Rām	560	Fm3m	82Pr
AgBiTe ₂	P3m1	?	cubic			59Ge
AgBi(WO ₄) ₂	I2/m	?	I4,/a			77K1
AgCd	Pm3m	500	1	743	Im3m	TA. 1; TA. 3
Ag ₅ Cd ₈	?	720	cubic			TA. 1; TA. 3
AgCe(WO ₄) ₂	I2/m	973	I4 ₁ /a			76K1
AgClO ₄	Cmcm	429	_	>770	cubic	t.7.11
Ag ₂ CrO ₄	monocl.	?				67Pi
AgCrS ₂	R3m		Rām			89KaA
AgCrSe ₂	trig.?		Rām			TA. 1
AgCuS	Cmc2 ₁	366	hex.			90BaL
AgCuSe	tetr.	504	Fm3m			89Asa
AgDySe ₂	P2,2,2,					TA. 2
AgDyTe ₂	tetr.	777				TA. 2
AgDy(WO ₄) ₂	I2/m	1253	3			76K1
AgErS ₂	monocl.	?	-			TA. 2
AgErSe ₂	P2 ₁ 2 ₁ 2 ₁					TA. 2
AgErTe ₂	tetr.	761	•			TA. 2

	AgEr(WO ₄) ₂	I2/m	1325	I4 ₁ /a			76Kl
	AgEu(WO ₄) ₂	I2/m	1178	I4 ₁ /a			76Kl
	Ag ₃ FeF ₆	P4/mnc	318	Fm3m			LB. 7a
	Ag ₂ Ga	P6 ₃ /mmc	647	P3 ₁ 21			TA. 2
	Ag ₉ GaS ₆	ortho.	303	cubic			TA. 2
	Ag ₉ GaSe ₆	cubic	281	cubic			TA. 2
	Ag ₉ GaTe ₆	hex.?	303	hex.			TA. 2
	AgGdTe ₂	tetr.	981	P6 ₃ mc			TA. 2
	AgGd(WO ₄) ₂	I2/m	1233	I4 ₁ /a			76Kl
*	Ag ₈ GeS ₆	?	73	ortho.?	496	cubic	75Pe; TA. 2
	Ag ₈ GeSe ₆	?	269	Pmn2 ₁	321	F43m	80Car; TA. 2
*	Ag ₈ GeTe ₆	?	173	?	221	?	
			242	F43m			76Ry; TA. 2
	$^{\mathrm{Ag}_{2}^{\mathrm{H}_{3}^{\mathrm{IO}}_{6}}}$	ΡĪ	227	R3			t.7.14
	Ag2HgI4	14	323	cubic			t.6.1
	AgHoSe ₂	P2 ₁ 2 ₁ 2 ₁	905	I4/mmm	1051	Fd3m	TA. 2
	AgHoTe ₂	tetr.	791	P6 ₃ mc			TA. 2
	AgHo(WO ₄) ₂	I2/m	1273	I4 ₁ /a			76K1
*	AgI	F43m	410	P6 ₃ mc	435	Im3m	77Ca;91Ma
	Ag ₂₆ I ₁₈ W ₄ O ₁₆	C1	197	C1, C1	246	P2 ₁	
			277	C2	>280	?	83Bo; 80Sco
	Ag ₃ In	?	460	hex.	933	cubic	TA. 1
	Ag ₃ InCl ₆	tetr.	608	cubic			LB. 7a
	AgInS ₂	I4/mmm	893	ortho.			TA. 2
	AgInSe ₂	I4/mmm	968	trig.?			TA. 2
*	AgIn ₅ Se ₈	tetr.	893	Fd3m			TA. 2
*	AgInTe ₂	I4/mmm	800	?			TA. 2
	AgIn(WO ₄) ₂	P2/c	?	?			77K1
	AgLa(WO ₄) ₂	monocl.	?	I4 ₁ /a			77K1
	AgLu(WO ₄) ₂	I2/m	1270	14 ₁ /a			76K1
	Ag ₂ MgZn	cubic	533	Pm3m			TA. 2
	Ag ₂ MoO ₄	cubic	553	tetr.	755	?	TA. 2
*	AgNO ₃	Pbca	433	R3m			t.7.2
	AgNa(NO ₂) ₂	Fd2d	311	Fddd			87Is
	AgNbO ₃	monocl.	598	tetr.	823	cubic	72Fe
	AgNd(WO ₄) ₂	I2/m	1073	14 ₁ /a			76K1
	$^{Ag}4^{P}2^{O}7$	32	623	Зm			86Ko

	^{Ag} 2 ^{Pb} 4 ^{Nb} 10 ^O 30	ortho.	?	ortho.	750	tetr.	84Fi
	Ag ₂ Pr	ortho.	893	hex.?			TA. 1
	AgPr(WO ₄) ₂	I2/m	1023	I4 ₁ /a			76K1
	AgS	monocl.		?			TA. 1
*	Ag ₂ S	P2 ₁ /n	450	Im3m	860	Fm3m	t.6.1
	Ag ₃ SBr	cubic	702	?			86Ke
	Ag ₃ SI	R3	?	Pm3m	508	Im3m	85Di
*	Ag ₂ SO ₄	Fddd	703	P6 ₃ /mmc			85Kum
	AgSbS ₂	monocl.	653	cubic			TA. 2
	Ag ₃ SbS ₃	monocl.	466	trig.			TA. 2
	AgSc(WO ₄) ₂	P2/c	?	?			77K1
*	Ag ₂ Se	P2 ₁ 2 ₁ 2 ₁	406	cubic			t.6.1
*	Ag ₂ SeO ₄	Fddd	?	?	?	hex.?	67Pi
	Ag ₈ SiS ₆	ortho.	507	cubic			TA. 2
	Ag ₈ SiSe ₆	tetr.	283	cubic	313	cubic	TA. 2
	Ag ₈ SiTe ₆	?	195	?	263	Fm3m	TA. 2
	$AgSm(WO_4)_2$	I2/m	1123	14 ₁ /a			76K1
	Ag ₈ SnS ₆	cubic?	445	Fm3m	884	cubic	75Pe; TA. 2
	Ag ₈ SnSe ₆	?	295	Pmn2	356	F43m	75Pe;80Car
	AgTaO ₃	monocl.	643	tetr.	758	cubic	LB. 16b
	or:	trig.	667	monocl.	694	tetr.	
			770	cubic			81Ka
	AgTb(WO ₄) ₂	I2/m	1223	I4 ₁ /a			76K1
*	Ag ₂ Te	P2/m	423	Fm3m	1073	cubic	85Sa; TA. 1
	$^{\mathrm{Ag}_{3}\mathrm{Te}_{2}}$	hex.	559	?	698	?	TA. 2
	Ag ₅ Te ₂ Cl	monocl.	329	tetr.			TA. 2
	Ag ₂ TeO ₃	ortho.	573	monocl.			89Bh
	Ag ₃ TIS ₂	ortho.	558	?			TA. 2
	AgTlTe	Pnma	706	?			TA. 2
	$AgTmS_2$	monocl.	?	Fm3m			TA. 2
	AgTmSe ₂	ortho.	?	?			TA. 2
	AgTmTe ₂	tetr.	?	P6 ₃ mc?			TA. 2
	$AgTm(WO_4)_2$	I2/m	1320	I4 ₁ /a			76K1
	AgVO ₃	?	443	?			76Mi
	Ag ₃ YC1 ₆	?	626	?			TA. 2
	AgYTe ₂	tetr.	793	P6 ₃ mc?			TA. 2
	AgY(WO ₄) ₂	I2/m	1273	I4 ₁ /a			76K1

	AgYb	Pnma	729	Pm3m			TA. 2
	AgYbSe ₂	ortho.	>300	Fm3m			TA.2
	AgYb(WO ₄) ₂	I2/m	1283	I4 ₁ /a			76K1
*	AgZn	P3	531	Im3m			85 I v
	AlF ₃	R3c	723	cubic			90Da2
	A100H	Pbnm	?	Amam			78Zv
	AlPO4(cristobalite))		C222 ₁	470	F43m	80Ko
*	AlPO ₄ (quartz)			P3 ₁ 21	853	P6 ₄ 22	80Ko
	Al ₂ S ₃	hex.	?	trig.		•	TA. 1
	Al ₃ Te ₂	ortho.	1498	ortho.			TA. 3
	Al ₃ Zr ₅	hex.	1170	tetr.			TA. 3
	Ат	Fm3m	?	Im3m			76Pi
	As ₂ Be	P4 ₁ 2 ₁ 2	?	P4 ₁ 2 ₁ 2			PH. 2
	(As(CH ₃) ₄) ₂ CoCl ₄	P4 ₂ /mbc	338	tetr.	420	14 ₁ /a	
			546	cubic?		-	90Pre; 91Zu
	(As(CH ₃) ₄) ₂ CoI ₄	P12 ₁ /c1	398	Pmcn			90Pre; 91PrB
	(As(CH ₃) ₄) ₂ CuBr ₄	Pbc2	266	P2 ₁ /b11	406	Pmcn	90Pre; 91PrB
	(As(CH ₃) ₄) ₂ CuCl ₄	P4 ₂ /mbc	260	I4 ₁ /a	488	cubic?	90Pre; 91PrB
	(As(CH ₃) ₄) ₂ ZnCl ₄	P42/mbc	336	I4 ₁ /a	549	cubic?	91Zu; 91PrB
	$(As(CH_3)_4)_2ZnI_4$	P12 ₁ /c1	405	Pmcn			90Pre; 91PrB
	AsCr ₃ N	I4/mcm	?	cubic			70Bar
	AsMn ₃ N	I4/mcm	?	Pm3m			70Bar
	As ₂ 0 ₅	P2 ₁ 2 ₁ 2 ₁	578	P4 ₁ 2 ₁ 2			88Re
	AsPd ₂	ortho.	?	hex.			TA. 1
	AsS	P2 ₁ /c	?	C2/c			81Ke
*	As ₂ S ₃	P2 ₁ /n	470	monocl.			76Pi
	AsSe	P2 ₁ /c	?	P2 ₁ /n			81Ke
*	AuCN	P6/mmm	393	?			69Вг
	AuCu ₃ - see: Cu ₃ Au						
	Au ₄ Mn	tetr.	371	Fm3m			89KaM

Banana - see: Ba2NaNb5O15 BCCD - see: N(CH3)3CH2COO.CaCl2.2H2O

Benzil - see: $C_{14}^{H_{10}O_{2}}$ Biphenyl - see: $C_{12}^{H_{10}}$ BSN - see: $C_{12}^{H_{10}}$

(BEDT-TTF)2AsF6	?	264	C2/c			84Ve
(BEDT-TTF) ₂ I ₃	$P(P\overline{I})/(\overline{I})$	ī)		137	P1	85Pe
(BEDT-TTF) ₂ PF ₆	tricl.		Pnna			84Ve
* (BEDT-TTF)2SbF6	?	273	C2/c			84Ve
B 2 6	RĪm	1623	amorph.			88Dz
B ₁₂ Al	tetr.	1723	ortho.			TA. 2
BCuS	cubic	1373	tetr.			PH. 2
BIr	Cmc2	1473	Pēm2			PH. 2
ВМо	I4 ₁ /amd		Cmcm			PH. 2
* BN	P6 ₃ /mmc		P6 ₃ mc	>800	amorph.	89Pi
BP	Pa3	1098	P6 ₃ mc			PH. 2
BPS ₄	ortho.	893	C2/m			PH. 2
BW	I4 ₁ /amd	2623	Cmcm			PH. 2
BZr	?	1073	Fm3m			PH. 2
* Ba	Im3m	623	cubic			PH. 2
Ba2AgNb5015	ortho.	698	tetr.			LB. 16a
BaAlF ₅	?	>940	P2 ₁ /n	1062	P2 ₁	90Ba2
Ba3AlF9	?	995	?		_	TA. 3
Ba3Al2F12	ortho.	1158	C222 ₁			LB.7a
BaAl ₂ 0 ₄	P63	400	?	530	?	
		660	?			89Iv1
BaB ₂ O ₄	R3c	1198	Rãc			88Li
Ba3Bi2MoO9	monocl.	333	monocl.	433	monocl.	
		733	cubic			71Ve
Ba ₂ BiNbO ₆	trig.	633	cubic			71Ve
BaBi ₂ Nb ₂ O ₉	ortho.	473	I4/mmm			LB. 16a; 90Rae
BaBiO ₃	P2/m	120	I2/m	400	R3	89Pei
Ba ₂ BiTaO ₆	trig.	673	cubic			71Ve
BaBi ₂ Ta ₂ O ₉	ortho.	383	tetr.			LB. 16a
BaBi ₃ Ti ₂ NbO ₁₂	ortho.?	543	tetr.			LB. 16a
BaBi ₄ Ti ₄ O ₁₅	ortho.	648	I4/mmm			LB. 16a
Ba ₂ Bi ₄ Ti ₅ O ₁₈	ortho.	602	tetr.			LB. 16a
$^{\mathrm{Ba}}2^{\mathrm{BiVO}}6$	monocl.	393	monocl.	593	cubic	71Ve
Ba3Bi2WO9	trig.	723	cubic			71Ve
BaC ₂	I4/mmm		cubic			PH. 2
* BaCO ₃	Pbnm	1073	R3m	1273	cubic	76Pi
* BaCa ₂ (CH ₃ CH ₂ COO) ₆	?	204	ortho.	267	Fd3m	LB. 16b

BaCa ₂ (C ₃ H ₇ COO) ₆	?	217	P222 ?	315	Fd3m	88Ra
Ba ₂ CaTeO ₆	?	553	cubic			75Po
Ba ₂ CdTeO ₆	?	563	cubic			75Po
BaCl ₂	Pbnm	1193	Fm3m			76Pi
Ba ₂ CoTeO ₆	?	293	cubic			73Pol
Ba ₅ Cr ₃ F ₁₉	tetr.	1090	tetr.?			91Co
Ba ₃ CuNb ₂ O ₉	tetr.	653	cubic			71Ve
BaCu ₄ S ₃	Pnma	913	Cmcm			PH. 2
Ba ₃ CuTa ₂ O ₉	tetr.	743	cubic			71Ve
Ba ₂ CuWO ₆	tetr.	>1470	cubic			71Ve
BaFe(CN) ₅ NO.3H ₂ O	?	118	?	131	?	
Ų Ž		233	Pbcm			90Na
BaFeF ₅	14	730	?			89Rav; 90Rav
Ba5Fe3F19	tetr.	960	tetr.			91Co
BaFe ₂ S ₄	I4/mcm	?	I4/m			PH. 2
Ba ₉ Fe ₄ S ₁₅	14 ₁ /a	1153	Pnma			PH. 2
Ba5Ga3F19	tetr.	1070	tetr.?			91Co
* BaGeO ₃	?	?	P2 ₁ 2 ₁ 2 ₁			62Hi
BaH ₂	Pnma	823	cubic			PH. 2
Ba ₂ LaTaO ₆	trig.	>570	cubic			LB. 4a
Ba ₂ MgTeO ₆	?	233	cubic			73Po1
* BaMnF	monocl	. 250	A2 ₁ am			76SaR
BaMnO ₃	hex.	?	hex.			LB.4a
Ba ₂ MnTeO ₆	?	413	cubic			73Pol
BaMo ₆ O ₈	P1	175	R3ี			86Jo
BaND	I4/mmm		Fm3m			90We
Ba2NaNb5 ^O 15	P4bn	110	Ccm2	573	ortho.?	777
		858	4/mmm	_		77Sc; 84bnn
or:	ortho.	523	ortho.	?	ortho.	
5 V V 6 F		573	tetr.			88Bar
BaNa ₂ Nb ₅ O ₁₄ F	?	100	P4/mbm			LB. 16a
BaNb ₂ O ₆	P2 ₁ /c	?	ortho.			90SiS
Ba4Nb2O9	?	120	ortho.	>470	ortho.	
		>780		>970	hex.	85Le
Ba ₂ NdTaO ₆	trig.	?				LB. 4a
Ba ₂ PrTaO ₆	trig.	?				LB. 4a
BaSO ₄	Pnma	1363	cubic			90SaT
BaS ₃ Sn ₂	ortho.	953	Pccn			PH. 2

	Ba ₂ S ₄ Sr	14	P2 ₁ /c	1063	Pna2			PH. 2
	BaS ₃ Zr		P4/mmm	?	cubic			PH. 2
	BaSiO ₃		tricl.?	?	ortho.			68St
*	BaSi ₂ 0 ₅	ζ.	Pmnb	?	C2/c			850z
	Ba ₂ SmTa		trig.	?	cubic			LB. 4a
	Ba ₅ Ti ₃ F		tetr.	1005	tetr.?			91Co
	Ba ₂ TiGe		m?	273	Cmm2	1123	P4bm	89Mar
	Ba ₆ Ti ₂ N		P4bn	518	?			LB. 16a
*	BaTiO ₃	3 30	R3m	183	Amm2	273	P4mm	
	J			403	Pm3m	1733	P6 ₃ /mmc	LB. 16a
*	BaTiO ₃ -	-h	P2 ₁		C222 ₁		P6 ₃ /mmc	89Ak
	Ba ₂ TiO		P112 ₁ /n		_		J	84Bu
	Ba ₅ V ₃ F	•	tetr.		tetr.?			91Co
	BaZnV ₂		P2 ₁ /n	943	Pnma			89Mu
*	Be	•	P63/mmc	1537	Im3m			76Pi
	BeAs ₂		?	>300	P4 ₁ 2 ₁ 2 ₁			81Ke
	Be ₃ Co		ortho.?	1365	?			PH. 2
	BeF ₂		hex.	493	hex.	703	ortho.	
				953	cubic			LB.7a
	BeI		P4/nbm	623	ortho.			LB. 7a
	Be0		P63mc	2378	P4 ₂ /mnm	ı		TA. 3
	Bi ₂ BaNt	0 ₂ 0 ₉ - see:	BaBi ₂ Nb ₂ C) ₉				
*	$^{\mathrm{BiBr}_3}$		P2 ₁ 3	<431	P2 ₁ 3			58Wo
	BiCu ₃ S	3	P2 ₁ 2 ₁ 2 ₁	391	Pnma	463	ortho.	PH. 2
	BiDy		monocl.	11	Fm3m			PH. 2
	${\tt BiFeO}_3$		R3c	1083	?			84Ta
	Bi ₂ GeO ₅	5	C2cm	>800	?			84Fir
*	BiI ₃		R3	573	cubic			76Pi
	BiK_3		P6 ₃ /mmc	553	Fm3m			PH. 2
	BiMn		P6 ₃ /mmc	663	P222 ₁			PH. 2
	${\tt BiMnO}_3$		monocl.	923	cubic			72Fe
	Bi ₂ MoO	5	Pca2	>800	P2 ₁ /c			84Ya
	${\tt BiNbO}_{f 4}$		tricl.	?	Pnan	633	Pna2	
				843	?		-	73Ke;83Dav
	Bi ₂ 0 ₃	on heating:						
		on cooling:	P2 ₁ /a	773	P4b2	923	Fm3m	90Me
	5Bi ₂ O ₃ 3		trig.	913	trig.			89Ki1

	BiRb ₃	P6 ₃ /mmc	503	Fm3m			PH. 2
	BiSBr	?	103	Pnam			LB. 16a
	BiSI	?	113	Pnam			LB. 16a
	BiSbO ₄	monocl.	823	?			7 4 Po
*	Bi ₂ Se ₃	R3m	570	Rām ?			76Pi
	Bi ₂ SiO ₅	C2cm	610	?			84Fir
	$\text{Bi}_{2}\text{Sn}_{2}^{0}$	tetr.?	363	cubic	953	Fd3m	88Ho
	Bi ₂ SrTa ₂ O ₉ - see:	SrBi ₂ Ta ₂ C) ₉				
	BiTaO ₄	tricl.	?	Pnan	633	Pna2 ₁	
			843	?		-	73Ke;83Dav
	BiTb	trig.	17	Fm3m			PH. 2
	$^{\text{Bi}}2^{\text{Te}}4^{0}11$	monocl.	881	cubic			89Ast
	Bi ₃ TiNbO ₉	A2 ₁ am	1213	I4/mmm			LB. 16a
	$Bi_2Ti_4O_{11}$	C2/c	523	C2/m	1474	?	LB. 16a
	Bi ₄ Ti ₃ O ₁₂	Pc(Ba)	948	I 4/mmm			Lb. 16a; 90Rae
	Bi ₄ Ti ₅ FeO ₁₅	?	853	A2 ₁ am	1023	4/mmm	71Ne
	Bi ₃ TiTaO ₉	Fmm2	1143	I4/mmm			LB. 16a
*	BiVO ₄	?	425	I2/a	528	I4/a	85Seg; 90Hu
	Bi ₂ WO ₆	B2cb	973	Bcab	1208	C2/m	83Ya; 90Rae
	Bk ₂ 0 ₃	Ia3	1473	monocl.	1973	hex.	PH. 2

 $\begin{array}{lll} \text{CPFP - } see: & \text{C}_{27}\text{H}_{45}\text{OCOCF}_2\text{CF}_3\\ \text{CTFP - } see: & \text{C}_{27}\text{H}_{45}\text{OCOCF}_2\text{CF}_2\text{H}\\ \text{chloranil - } see: & \text{C}_6\text{Cl}_4\text{O}_2 \end{array}$

*	d-camphor	tetr.?	245	hex.	374	cubic	t. 10. 4
	CBr ₄	C2/c	320	Fm3m			84Hoh
	C2Br6	Pnma	450	Im3m			t.10.6
	C(CH ₂)F ₄	?	250	?			t.10.1
	C(CH ₂ OH) ₄	14	457	Fm3m			90Bh
	C(CH ₃) ₄	hex.	140	Fm3m			t. 10. 1
	C(CH ₃)Cl ₃	Pnma	225	Fm3m			t. 10. 1
	C(CH ₃) ₂ Cl ₂	ortho.	188	trig.			t. 10. 1
	С(СН ₃) ₃ С1	monocl.	183	P4/nmm	220	Fm3m	t. 10. 1
	С(СН ₃)СООН	?	280	Fm3m			t. 10. 1
	C(CH ₃) ₂ C1NO ₂	?	214	?			t. 10. 1

	$C(CH_3)_2(NO_2)_2$?	267	Fm3m			t. 10. 1
	C(CH ₃) ₃ NO ₂	?	215	tricl.	260	ortho.	t.10.1
	с(сн ₃) ₃ sн	?	152	hex.?	157	I m3m	
			199	Fm3m			t. 10. 1
	C2(CH3)6	?	152	Im3m			t. 10. 6
	C6(CH3)6	P6mm	117	tricl.	383	ortho.	t.10.3
	C6(CH3)3C13	monocl.	>140	P2 ₁ /c			t.10.3
	CC1 ₄	C2/c	226	trig.			t. 10. 1; 91SaI
	^C 2 ^{C1} 6	Pnma	318	tricl.	345	Im3m	79Ge
	C ₆ Cl ₂ (CH ₃) ₄	?	162	P2 ₁ /a	378	Pnnm	89EcT
	C ₆ C1 ₄ O ₂	P2 ₁ /n	91	P2 ₁ /a			90LeR
ŧ	CF ₄	C2/c	76	tetr.?			t. 10. 1; 91SaI
	C ₂ F ₆	monocl.	104	?			t. 10.6
	^C 6 ^F 12	?	168	Fm3m			t.10.3
	C ₆ F ₅ C1	?	191	?	245	?	t.10.3
ķ	CH ₄	tetr.	9	?	21	Fm3m	t.9.5
	C2H2	Acam	88?	Pa3			75Ko
ķ	^C 2 ^H 6	monocl.	89.7	?	89.8	Im3m	87Sc
	C4H8	?	146	Im3m			t. 10. 3
ŧ	C5H8	?	87	?	138	?	t. 10. 3
	C5H10	?	122	?	138	hex.	t. 10. 3
ŧ	C6H6	?	140	Pbca			88ThL
	C ₆ H ₁₀	?	139	?			t. 10. 3
	C ₆ H ₁₂	C2/c	186	Fm3m			t.10.3
	C ₇ H ₈	?	154	cubic			t.10.3
	C ₇ H ₁₄	?	135	?	198	?	
			212	?			t. 10. 3
ŧ	C ₁₀ H ₁₆	P42 ₁ c	208	F43m			79Bu
	12 10	(Pa)/(Ī)	21	inc.	38	P2 ₁ /a	83Bau
	C ₁₄ H ₁₀	P2 ₁	333	P2 ₁ /a			89Ch; 90Pe
ŀ	C ₁₈ H ₁₄	P1	193	P2 ₁ /a			82Koh
	(СН ₃) ₂ С(СН ₂ ОН) ₂	P2 ₁ /n	313	Fm3m			91BaF
	(CH ₂ CN) ₂	monocl.	233	Im3m			t. 10. 6
	C ₁₀ H ₁₅ CN	C2/m	283	Fm3m			88Gui
	(CH ₃) ₃ CNH ₃ NO ₃	?	412	? .			89Hir
	(CH ₂) ₇ CO	monocl.	183	?	232	Pm3n	t. 10. 3
	$(C_6^{H_5CO})_2$ - see: (C14 ^H 10 ^O 8					

•	С ₆ Н ₄ С1 ₂	P2 ₁ /c	268	P2 ₁ /a	304	P1	75Wh
	C ₁₀ H ₆ Cl ₄ Fe	P2 ₁ /m	120	hex.	132	Im3m	83Da
	(CH ₂ C1COO) ₂ H. NH ₄	Cc	120	C2/c			LB. 16b
	CH ₂ C1COONH ₄	C2	123	C2/c			LB. 16b
	C6H4F2	?	187	?			t. 10. 3
	C6H2F4	?	221	?			t.10.3
	C5H5FeC5H4CHO	P2 ₁ 2 ₁ 2 ₁	317	Fm3m			81Da
*	$C^3H^3N^3$	C2/c	200	R3c			78Sm
	(CH ₃) ₃ NCH ₂ COOCH ₂ (CO	00H) ₂		monocl.	194	ortho.	88Hau
	(CH ₃) ₂ NCH ₂ COOH. H ₃ A	s0 ₄		?	178	P1	91Mu
	(CH ₃) ₂ NCH ₂ COOH. H ₃ PO	-		?	215	P1	91Mu
	CH ₃ NH ₂ O (TCAA)	P2 ₁	355	monocl.	358	monocl.	90Ha
	^C 9 ^H 16 ^{NO} 2	Pc	195	C2/c			87Leb
	C ₉ H ₁₈ NO	Fdd2	287	I 42d		_	81Cap
	only on he	ating:		Cm	293	142d	
	C4H2O4	P2 ₁ /m	373	I 4/m			LB. 16b
	C ₄ H ₄ O	P4 ₁ 2 ₁ 2		Cmca -			t.10.3
	C4H6O4	P2 ₁ /a	420	PĪ			83PeY
*	C6H8O2	P2 ₁ /c	287	P2 ₁ /c			91Ka
	C ₁₄ H ₁₀ O ₂	P2 ₁	84	P3 ₁ 21			87Mor
	C ₂₇ H ₄₅ OCOCF ₂ CF ₃	?	128	inc.	148	P2 ₁ ?	85Yan
	C ₂₇ H ₄₅ OCOCF ₂ CF ₂ H	?	123	inc.	143	inc.	
			178	P2 ₁ ?			85Yan
	с ₅ н ₉ он	?	201	?	203	hex.	t. 10. 3
	C ₆ H ₅ OH	?	287				t.10.3
	С ₆ Н ₁₁ ОН	?	245	_	266	?	t.10.3
	3C ₆ H ₄ (OH) ₂ . CH ₃ . OH	?	64	R3			90Mu
	C ₁₄ H ₁₄ O ₄ S ₂	Pna2	?	monocl.		_	90Hau
	C ₄ H ₄ S	?	112	?	138	?	
		_	172	ortho.			t.10.3
**	C ₅ H ₁₀ S	?	201	?	240	Fm3m	t. 10. 3
	C ₁₂ H ₁₀ SN	P2 ₁ /c	250	Pnma			85Na; 91Ec
	C ₄ H ₈ SO ₂	? ~v.)	289	?	400	5 7	t. 10. 3
	(C ₁₀ H ₁₀ S ₄ Se ₂) ₂ Au(C		_	?	180	ΡĪ	89Sai
	CH ₃ HgBr	P42 ₁ m	?				BAAd BAAd
	CH3HgC1	P42 ₁ m	?				88Ad
~	w	P2 ₁ 3	62	P6 ₃ /mmc			LB. 7b1

*	C ₂ O ₄ HNH ₄ . 1/2H ₂ O	P2 ₁ /c	145	Pnma			89Go
	C(SCH ₃) ₄	tetr.?		I4/mmm	319	Im3m	t. 10. 3
	CW ₂	Pnma	1323		2073		TA. 3
*	Z Ca	Fm3m			723	Im3m	56Me
	CaAl ₂ B ₂ O ₇	P6 ₃ 22		monocl.			67Sc
	CaAlF ₅	ortho.	?	ortho.			67Ra
	Ca ₈ Al ₁₂ O ₂₄ (CrO ₄) ₂	?	432	?	453	?	•
	0 12 24 4 2		610	cubic			88De1
	Ca ₈ Al ₁₂ O ₂₄ (MoO ₄) ₂	?	608	?	620	?	
	0 12 24 4 2		634	cubic			88De1
	Ca ₈ Al ₁₂ O ₂₄ (SO ₄) ₂	tetr.?	737	cubic			88De1
	Ca ₈ Al ₁₂ O ₂₄ (WO ₄) ₂	Aba2	614	P4c2	656	I43m	89Ku2
*	CaAl ₂ Si ₂ O ₈	P1	?	ΙĪ			80Su
	Ca ₂ B ₆ O ₁₁ .5H ₂ O	P2 ₁	266	P2 ₁ /a			LB. 16b
	Ca ₂ Ba(C ₂ H ₅ COO) ₆ - 8	_		-			
	CaBi ₂ Nb ₂ O ₉	Fmm2	898	I4/mmm			LB. 16a
	CaBi ₂ Ta ₂ O ₉	Fmm2	848	I4/mmm			LB. 16a
	CaBr ₂	Pnnm	790	P4 ₂ /mnm			89Rap; 91Ha
	CaC ₂	I4/mmm(1		-	?	Fm3m	81Ke
*	CaCO ₃	R3c	1260				89Re
	CaCd(CH3COO)4.6H2O	?	128	?	146	I4/m	85Ch
	CaCl ₂	Pnnm	491	P4 ₂ /mnm			91Ha
	CaGa ₂ O ₄	P2 ₁ /c		_	?	Pmcn?	74Mu
	CaGaF ₅	Cc	963	C222 ₁			LB. 7a
	CaHPO ₄	P1	270	P1			80Cat
	Ca3Mn2GeO12	I4 ₁ /acd	?	Ia3d			79Sa
	CaMo ₆ S ₈	tricl.	50	trig.			83La
*	Ca3N2	?	1000	Ia3	1370	?	68La
	CaP ₂ O ₆	?	?	?	?	monocl.	
				?			PDF
	Ca ₂ P ₂ O ₇			tetr.	1413	ortho.	PDF
	Ca ₃ (PO ₄) ₂	R3c		monocl.			PDF
		P2 ₁ /b		P6 ₃ /m			79Gr
	Ca ₅ (PO ₄) ₃ OH	P2 ₁ /b		P6 ₃ /m			79Gr
	CaSiO ₃	P1		P2 ₁ /a			68Tr
*	Ca ₂ SiO ₄	Pbnm		P112 ₁ /n		-	
			1430	Pmnb	1720	P6 ₃ mc	9011

	Ca ₃ SiO ₅		tricl.	820	tricl.	1180	monocl.	
	3 3			1240	trig.			64Mi
	or:		tricl.	?	trig.	1320	R3m	9011
	CaSnF ₆		R3	?	Fm3m			83May
	CaSrAlF ₇		?	730	?	943	?	PDF
*	Ca ₂ Sr(C ₂ H ₅ COO)	6	monocl.	80	P4 ₁	280	P4 ₁ 2 ₁ 2	82Mi
	CaTe ₂ O ₅		2/m	1050	6/mmm			89Sad
	CaThNb ₂ O ₈		I2/c	1023	I4 ₁ /a			77Fo
*	CaTiO ₃		Pcmn	1533	Pm3m			LB. 16a
	CaTiSiO ₅		P2 ₁ /a	495	A2/a			90Gh
	CaVNb ₂ O ₈		I2/c	1123	I4 ₁ /a			77Fo
	Ca ₃ UO ₆		R3	1473	monocl.			83Ho
	Ca ₃ (VO ₄) ₂		R3c	1380	?			LB. 16b
	CaYCrO ₄		Pbca	1100	Abma	1680	I4/mmm	87A1
	CaZrO ₃		ortho.	1773	cubic			72Fe
*	Cd ₃ As ₂		I4 ₁ cd	503	P4 ₂ /nbc	748	P4 ₂ /nmc	
	. .		•	868	Fm3m		-	781z
	Cd ₃ B ₇ O ₁₃ Br		ortho.	732	cubic			LB. 16a
	Cd ₃ B ₇ O ₁₃ C1		ortho.	798	cubic			LB. 16a
	Cd ₃ B ₇ O ₁₃ I		ortho.	611	cubic			LB. 16a
	[Cd(CH ₃) ₂ S0] ₆ .	(C10	4)2		C2/c	246	Fdd2	89Ly
	CdCrO ₄		Cmcm	?	C2/m			69Mu
	CdGeAs ₂		Pbnm	?	F 4 3m			82Pr
	CqHt03		Pbnm	873	ortho.	993	Ãс	LB. 16a
	Cd ₂ Nb ₂ O ₇		tricl.	19	Im2a	46	Pc	
		80	Pc	82	Imma	178	Ima2	
		196	tetr.	200	Fd3m	310	Fd3m	
		510	Fd3m					82Kol;90Ku
	Cd2Nb2O6S		tetr.?	379	?	457	?	
				555	Fd3m			LB. 16a
	^{Cd} 2 ^O 3		2/m	2170	3m			84Bou
	CdP ₂		Pna2	<300	P4 ₁ 2 ₁ 2			87Mol
*	CdS		F43m	800	P6 ₃ mc			89Sa2
	CdSe		F43m	368	ှာ			TA. 1; 91FeG
	CdSiF ₆ .6H ₂ O		2/m	220	R3			89Tha
	CdSiP ₂		I 42d	?	F43m			76Pi
	CdSnAs ₂		I 4 2d	?	F 4 3m			76Pi

*	CdSnO ₃	ortho.	1070	cubic			72Fe
	CdTe	F43m	800	P6 ₃ mc			89Sa1
	CdThNb ₂ 0 ₈	I2/c	1043	3 I4 ₁ /a			77Fo
*	CdTiO ₃	?	50	Pc2 ₁ n	?	cubic	LB. 16a; 72Fe
	CdV ₂ 0 ₆	?	353				89Buz; PDF
	Ce	Fm3m	73		173	Fm3m	
			970	Im3m			86Za
*	CeAg	tetr.	15	Pm3m			85Kur
	Ce ₃ Al	P112 ₁ /m	115	P6 ₃ /mmc	520	cubic	90Law
	CeC,	I 4/mmm		•			PH. 2
	CeCd	?	100	tetr.	210	Pm3m	85Kur
	CeCo ₅	P6/mmm	737	?			85An2; PH. 2
*	CeCu ₆	P2 ₁ /c	230	Pnma			80Vr
	Ce ₂ Fe ₁₉	P63/mmc		Rām			PH. 2
	CeMg	?	190	Pm3m			85Bo
	CeNbO ₄	C2/c	903	tetr.			84Ku
	Ce ₂ 0 ₃	P3m1	2393	hex.	2443	cubic	LB. 7b1
	CeP ₅ 0 ₁₄	P2 ₁ /c	390	Pncm			90Ca
	CeSI	Pcab	>770	?			PDF
	CeSb	tetr.	20	Fm3m			PH. 2
	Ce ₅ Sn ₃	I4/mcm	?	P6 ₃ /mcm			PH. 2
	CeTaO ₄	monocl.	1091	ortho.			81Cav
*	CeTl	tetr.	193	Pm3m			85Kur
*	Cf	P6 ₃ /mmc	973	P6 ₃ /mmc			PH. 2
	CfCl ₃	Cmcm	>670	P6 ₃ /m			73Bu
	Cf ₂ 0 ₃	Ia3	1673	C2/m			LB.7b1; PH.2
	Cl2CCHC(COCH3)2CH2	SCH3		?	155	?	89Ky
	Cm	P6 ₃ /mmc	?	Fm3m			Ph. 2
	Cm_2O_3	Ia3	1270	C2/m	1888	P3m1	
			2273	hex.	2483	cubic	LB. 7b1
	Cm_2S_3	Pnma	?	tetr.			PH. 2
*	Co	P6 ₃ /mmc	723	Fm3m			56Me
	CoAs	Pna2	1248	P6 ₃ /mmc			PH. 3
	CoAs ₂	P2 ₁ /c	870	?	930	Pnam	81Ke; PH. 3
	Co ₂ As	P62m	725	hex.			90LiA
	Co ₂ As ₂ O ₇	P1	452	C2/m			90Bu
	Co ₃ B ₇ O ₁₃ Br	mm2	460	4 3m			LB. 16a

Co ₃ B ₇ O ₁₃ C1	trig.	468	monocl.	538	Pca2	
0 . 10		623	F43c		•	LB. 16a
Co3B7O13I	mm2	200	cubic			LB. 16a
CoBr ₂	P3m1	643	Rām			LB.7a
CoBr ₄ . 2H ₂ O	monocl.	?	C2/m			LB. 7a
Co(C10 ₄) ₂ .6H ₂ O	ortho.	122	ortho.	136	ortho.	
155	hex.	182	hex.	243	hex.	
295	hex.	344	hex.			90No
Co ₂ Dy	tetr.	130	Fd3m			PH. 2
Co ₁₇ Dy ₂	RЗm	?	P6 ₃ /mmc			PH. 2
CoGa ₂ Sn	14	1361	Pna2			PH. 2
Co ₂ Ho	tetr.	77	Fd3m			PH. 2
Co7La2	P6 ₃ /mmc	?	Rām			Ph. 2
CoMnGe	Pnma	480	P6 ₃ /mmc			90KaN; PH. 2
CoMn ₃ S ₄	ortho.	220	RЗ			PH. 2
CoMnSb	Fm3m	1040	?			890t
CoMnSi	Pnma	1170	P6 ₃ /mmc			89Ni
Co2NbS4	tetr.	100	Fm3m			PH. 2
Co ₂ NbSn	monocl.	253	Fm3m			89FuI
Co ₇ Nd ₂	P6 ₃ /mmc	?	RЗm			PH. 2
CoO	C2/m	270	Fm3m	1223	Fd3m	LB. 7b1
Co ₃ 0 ₄	Fd3m	1150	cubic			90Li
CoS ₂	Pa3	398	?			81Ke; PH. 2
CoSO ₄	Cmcm	970	Prima			61Re
CoSiF ₆ .6D ₂ O	P2 ₁ /c	268	R3c			90Ch
CoSiF ₆ .6H ₂ O	P2 ₁ /c	230	?	246	R3	90Ch
CoZrF ₆	R3	273	Fm3m			89Ro; 90RoC
Cr ₃ B ₇ O ₁₃ Br	ortho.	<10	cubic			LB. 16a
Cr ₃ B ₇ O ₁₃ C1	m(mm2?) 180	42m	265	F 4 3c	89Ye; 91YeR
Cr ₃ B ₇ O ₁₃ I	ortho.	<10	cubic			LB. 16a
Cr ₂ BeO ₄	ortho.	28	Pbnm			LB. 16b
CrBr ₃	R3	420	C2/m			64Mo
CrCl ₃	R3ี	240	C2/m			64Mo
Cr ₂ Cu ₆ NiSn ₃	P6 ₃ /mmc	?	Fm3m			PH. 2
CrF ₃	trig.	1240	Pm3m			85Mog
Cr ₂ Hf	$Fd\bar{3}m$	1473	P6 ₃ /mmc	1613	P6 ₃ /mmc?	PH. 2
Cr ₂ Nb	Fd3m	1673	Fd3m		3	PH. 2
4						

	Cr ₂ NiO ₄		tetr.	298	Fd3m			76Pi
	СгООН		Pnnm	?	Pbnm			78Z∨
*	CrS		C2/c	?	$P6_3$ /mmc			90Ma
	Cr ₂ S ₃		R3	1338	?			90Am
	Cr ₂ Se ₂		trig.	1084	hex.			80Zh
	Cr ₁₃ Ta ₇		Fd3m	1673	Fd3m			PH. 2
	Cr ₂ Ti		Fd3m	973	P6 ₃ /mmc			PH. 2
	Cr ₂ Zr		Fd3m	973	P6 ₃ /mmc			PH. 2
	CrZrF ₆		monocl.		tetr.	400	Fm3m	83May
	Cs3AlF6		tetr.	5 60	Fm3m			LB.7a
*	CsBF ₄		Pnma	433	Fm3m	723	cubic	LB.7a
	CsBH ₄		?	27	Fm3m			t.7.11
	CsBeF ₃		Pnma	412	?	533	?	68St
	Cs ₂ BeF ₄		Pna2 ₁	?	Pnma			80Ar
	CsBe ₂ F ₅		ortho.	723	hex.			LB.7a
	Cs ₃ BiBr ₆		?	723	?			91Ku
	Cs3BiCl6		P1	393	C2/c	683	?	
	0 0			748	Fm3m			86Dr
	Cs ₃ Bi ₂ Br ₉		P3m1	625	?			91Ku
	Cs ₃ Bi ₂ I ₉		P6 ₃ /mmc	605	?			88Ku
*	CsCN		RĪm	193	Pm3m			89Si
*	Cs ₂ CdBr ₄		ΡĪ	130	?	158	P2 ₁ /n(P1?)	
				209	P2 ₁ /n	237	P(Pnma)/(1	ss)
				252	Pnma			84A1;91Za
	Cs ₂ CdCl ₄		I4/mmm	717	?			LB.7a
		from	melt:		P1	184	P2 ₁ /n	
				260	P(Pnma)/		•	
				333	Pnma	?	hex.	
		from	water:		P2 ₁ /m	373	Pnma	88A1
	Cs ₃ Ce ₂ (NH ₂)	.	R3c	?	P3			80Ja; PH. 2
	CsCl	•	Pm3m	742	Fm3m			90Ey
*	CsClO,		Pnma	482	Fm3m	758	cubic	t.7.11
	Cs ₂ CoGe ₅ O ₁₂		cubic	700	1 4 3d			84To2
	CsCoPO ₄		P2 ₁	477	?	518	?	84B1
	CsCrCl ₃		C2/m	170	hex.			79Cr
	Cs ₃ CrF ₆		tetr.	639	Fm3m		•	LB. 7a
	CsCrI ₃		Pbcn	150	P6 ₃ /mmc			80Za
	J				3			

	Cs ₂ CrO ₄	?	1000	hex.			85Lo;89Pro
*	CsCuCl ₃	P6 ₁ 22	423	P6 ₃ /mmc	511	?	
	-	-	540	?			89Na
	CsCu ₄ Cl ₃ I ₂	ortho.	414	R3?	427	P2 ₁ 3	83Gel
	Cs ₄ Cu(MoO ₄) ₃	monocl.	258	ortho.	413	P63/mmc	89K1K
*	CsD ₂ AsO ₄	Fdd2	190	1 4 2d		-	t.7.14
*	CsD ₂ PO ₄	P2 ₁ ?	265	P2 ₁ /m			78Ge
	CsDS	I4/m	100	P4/mbm	210	Pm3m	89Ja
	CsDSO ₄	2/m	250	monocl.	412	tetr.?	86Co
	Cs ₃ D(SeO ₄) ₂	P2 ₁ /m?	180	C2/m			91 ICh
*	CsDy(MoO ₄) ₂	C2/m	42	inc.?	59	Pccm	86Sk
	CsDy(WO ₄) ₂	?	670	?			70Sp
	CsEr ₂ F ₇	hex.	1353	?			82A1
	CsEr(MoO ₄) ₂	?	770	monocl.	1170	trig.	71Ry
	or:			Pccm	1170	P3m1	77K1
	CsEr(WO ₄) ₂	Pccm	670	?	1270	P3m1	77Kl
	CsEu(CrO ₄) ₂	?	770	?			89Pr0
	Cs ₃ EuF ₆	I4/mmm	420	cubic			78Аг
	CsEuNaNb ₅ O ₁₅	Pmc2	380	?	565	Pmcm?	84Di
	CsEu(WO ₄) ₂	Pccm?	>670	?			70Sp
	Cs ₂ FeCl ₅ . H ₂ O	?	151	Cmcm			87Cha
	CsFeF ₄	P2 ₁ 2 ₁ 2	250	Pmmr	?	Pmma	
			475	P4/mmm			85De
	Cs ₃ FeF ₆	P4/mnc	633	Fm3m	1203	?	LB. 7a
	Cs ₂ FeI ₄	P12 ₁ /c1	123	Pcmn(ss	ī) 152	Pcmn	84Ho
	CsFeS ₂	tricl.	70	ortho.			89SmS
	Cs3GaF6	?	589	Fm3m			LB. 7a
	Cs ₃ Gd(CrO ₄) ₃	?	768	?			89Pro
	CsGd ₂ F ₇	P2 ₁ cn	1377	hex.			82Al
	Cs ₃ GdF ₆	I4/mmm	433	cubic			73Ko
	CsGd(WO ₄) ₂	Pccm	670	Pcmm			70Sp
	CsGeBr ₃	R3m	511	cubic			87Th
	CsGeCl ₃	R3m	428	Pm3m			LB. 7a
	CsGeI3	R3m	550				87Th
	CsH ₂ AsO ₄	Fdd2		142d	433	monocl.	LB. 16b
*	CsHF ₂	I4/mcm	334	Pm3m			LB. 7a
	CsH ₃ O ₂ (CsOH. H ₂ O)	monocl.	229	hex.			89Ton

*	CsH ₂ PO ₄		P2 ₁	159	P2 ₁ /m			78Ra
	CsHS		I4/m	100	P4/mbm	210	Pm3m	89Ja
*	CsHSO ₄		P2 ₁ /c	333	P2 ₁ /m	370	monocl.	
				414	tetr.			86Co;87Me;90It
	CsHSe		tetr.	198	Pm3m			70A1
*	$^{ ext{CsHSeO}}_4$?	330	P2 ₁ /c		I4/amd	87Bal; 90Ko
			(complica					86Co
	Cs ₃ H(SeO ₄) ₂		tricl.		C2/m	369	P1	
	>				R3m			88Me
	CsH ₃ (SeO ₃) ₂		Pī		ΡĨ			LB. 16b
	$Cs_5H_3(SeO_4)_4$.	¹ 20	?		?		?	
					Pbcn		P6 ₃ /mmc	90MeB
	^{Cs} 2 ^{HfW} 5 ⁰ 18		?	240	?	390	?	
			_	600	P6 ₃ /mcm			90St
*	$^{\mathrm{Cs}_{2}^{\mathrm{HgBr}}}_{4}$		PĪ	85	P1	167	P2 ₁ /n	
		232	P(Pcmn)/			245	Pnma	78Se;84Al
	Cs ₂ HgCl ₄		?		?	162	?	
		165	?		monocl.	185	ortho.	
		195	inc.	221	Pnma			89Kal
	Cs ₂ HgI ₄		?	200	inc.?	255	P2 ₁ ?	
				448	?		_	89Bo
	CsHo(MoO ₄) ₂		?	773	Pccm	1233	P3m1	77K1
	CsHo(WO ₄) ₂		Pccm	?	?	670	Pccm	77K1
*	CsI		tetr.	130	Pm3m	?	Fm3m	LB.7a
	CsIO ₄		?	287	inc.	291	Pnma	
				423	4/mmm			89A1S
	Cs3InCl6		P1	383	C2/c?	493	?	
				583	Fm3m			86Dr
	Cs ₃ InF ₆		tetr.	538	Fm3m			81Zai
	$CsIn(MoO_4)_2$		Pcmn	743	P3m1			77K1
	CsIn(WO ₄) ₂		Fd3 1	1258	P3m1			71Ef
	CsK ₂		P6 ₃ /mmc	183	?			PH. 2
	Cs ₆ K ₇		P6 ₃ /mmc	183	?			PH. 2
	^{Cs} 2 ^{KDyF} 6		tetr.	169	Fm3m			85Go
	Cs ₂ KHoF ₆		I4/m	150	Fm3m			84Ih
	Cs2KInCl6		C2/c	373	Fm3m			88Gue
	$CsLa(CrO_4)_2$?	938	?			89Pro

Cs3La(CrO4)3	?	793	?	863	?	89Pro
CsLa(MoO ₄) ₂	Pnnn	1223	?			77K1
CsLa(WO ₄) ₂	Pnnn	1180	?			77K1
Cs2LiCo(CN)6	P2 ₁ /n	183	P4/mnc	?		84IhA
or:	?	70	Fm3m			69Wo
Cs ₂ LiCr(CN) ₆	P2 ₁ /n	310	P4/mnc	348	Fm3m	84Mi
CsLiBeF ₄ - see: Li	.CsBeF ₄					
CsLiCrO ₄ - see: Li	CsCrO ₄					
Cs ₂ LiCr(CN) ₆	P2 ₁ /n	335	P4/mnc	418	Fm3m	84Mi
CsLiMoO ₄	m	181	3m	220	F43m	88K1M
CsLiSO ₄ - see: LiC	CsSO ₄					
CsLiSeO ₄ - see: Li	lCsSeO ₄					
CsLiWO ₄	m	171	3m	209	F43m	88K1M
Cs2Ln2F7	ortho.	?	hex.			82A1
CsLu(MoO ₄) ₂	?	773	Pccm	933	P3m1	77K1
CsLu(WO ₄) ₂	?	770	?	1090	P3m1	77Kl
Cs ₂ MgI ₄	?	85	?			81Za
Cs ₂ MnCl ₄	I4/mmrn	?	Pnma			80Ar
Cs2MnI4	P1 (P1)	105	P112 ₁ /n	211	P2 ₁ cn	
		240	Pcmn		-	81Za
Cs ₂ MoO ₄	ortho.	858	hex.			85Lo
Cs ₃ MoO ₃ F ₃	trig.	?	cubic			
CsN ₃	I4/mcm	424	Pm3m			76Pi; PH. 2
CsNO ₂	RЗm	209	Pm3m	390	?	76Pi
CsNO ₃	P3 ₁	427	Pa3			LB. 16b
Cs ₂ NaBiCl ₆	P4/mnc	100	Fm3m			84Mi
Cs ₂ NaDyBr ₆	I4/m	139	Fm3m			87BuG
Cs ₂ NaDyF ₆	tetr.	360	cubic			85Go
Cs2NaFe(CN)6	P2 ₁ /n	498	P4/mnc			84Mi
Cs ₂ NaHoBr ₆	I4/m	126	Fm3m			87BuG
Cs2NaHoCl6	tetr.	0.15	Fm3m			90NaS
Cs2NaLaCl6	I4/m	208	Fm3m			84Mi
Cs2NaNdCl6	P4/mnc	138	Fm3m			84Mi
Cs ₂ NaPrCl ₆	P4/mnc	153	Fm3m			84Mi
Cs ₂ NaTmBr ₄	I4/m	101	Fm3m			87BuG
Cs2NaYBr6	I4/m	140	Fm3m			89Us
CsNbCl ₆	tetr.	563	?			89ShF
•						

	Cs ₃ Nd(CrO ₄) ₃	?	763	?			89Pro
	CsNd(WO ₄) ₂	Pccm ?	660	?			70Sp
*	CsNiF ₃	?	190	P6 ₃ /mmc	>300	trig.	90PrJ
	CsO ₂	ortho.	?	ortho.?	<300	I 4/mmm	
			<470	Fm3m			81Ke; PH. 2
	or:	Cmcm	?	Fm3m			79Sa
	CsOD	Pnmb	262	ortho.			87BaE
	CsOH	Pnmb	232	Bmmb	493	cubic	84Haa;87BaE
	CsPF ₆	?	89	Fm3m			t.7.13
	CsPbBr ₃	Pnma	360	P4/mbm	420	Pm3m	89Pe
	CsPbCl ₃	tricl.	177	monocl.	194	Pnma	
	310	Cmcm	315	P4/mbm	318	Pm3m	78Fe
	Cs2PbCu(NO2)6	?	250	C1 (C1)	289	Fmmm	
			310	tetr.?	391	cubic	78Mo;80Mo
	CsPbF ₃	tetr.	174	Pm3m			LB. 7a
	CsPbI ₃	Pnma	601	P2 ₁ /m			LB.7a
	Cs ₃ Pr(CrO ₄) ₃	?	743	?			89Pro
	CsPr(WO ₄) ₂	P2 ₁ /m	623	?			74TrR
	Cs2RbDyF6	PĪ	195	B2/m	205	I4/m	
			251	Fm3m			85Go
	Cs2RbHoF6	monocl.	197	tetr.	270	Fm3m	84Ih
	CsRbSeO ₄	?	234	mmm			83En
	Cs2RhF6	P3m1	?	P6 ₃ mc			LB. 7a
	CsS	Immm	>300	?			81Ke
*	CsSCN	Pnma	470	cubic			87Mos
	Cs ₂ SO ₄	?	733	Pnma	927	hex.	76No
	Cs ₃ Sb ₂ Br ₉	P321	803	?			91Ku
¥	CsSbF ₆	RЗm	461	?			80Be
	Cs ₃ ScF ₆	I4/mmm	375	P4/nmc	487	Fm3m	91Ch
	Cs ₂ SeO ₄	ortho.	860	hex.			62Ga
	Cs_3 Sm(CrO_4) ₃	?	771	?			89Pro
	CsSm ₂ F ₇	P2 ₁ cn	?	hex.			82A1
	$CsSm(WO_4)_2$	Pccm	670	?			70Sp
	CsSnBr ₃	tetr.	292	Pm3m			81Zai
	CsSnCl ₃	tricl.	390	Pm3m			89SaK
	CsSnI ₃	Pnma	425	tetr.			90Ya
	CsSrCl ₃	Pnma	363	Cmcm	375	P4/mbm	

		385	D=2=			91701
0 T 0			Pm3m			81Zai
CsTaCl ₆	hex.	569	?			78Sa
CsTb(WO ₄) ₂	Pccm	>670				70Sp
Cs ₂ TiW ₅ O ₁₈	?	513			?	
		893	P6 ₃ /mcm		_	90St
$CsTm(MoO_4)_2$?	770	Pccm	1090		77K1
$CsTm(WO_4)_2$?	720	?	1220	P3m1	77K1
$^{\mathrm{Cs}}_{2}\mathrm{U}_{2}\mathrm{O}_{7}$	2/m	670	C2/m	?	P6 ₃ /mmc	PDF
Cs ₂ U ₄ O ₁₂	hex.	⟨930	P2 ₁	1150	Fd3m	PDF
CsVF ₄	P2 ₁ 2 ₁ 2	140	Pmmn	425	P4/nmm	
		510	Pman	523	P4/mmm	86Hi
Cs ₂ WO ₄	ortho.	798	hex.			85Lo
Cs ₃ WO ₃ F ₃	trig.	?	cubic			
CsY(MoO ₄) ₂	Pccm	1148	P3m1			77Kl
CsY(WO ₄) ₂	Pccm	670	?	1300	P3m1	77K1
Cs ₃ YbF ₆	I4/mmm	473	Fm3m			82A1
CsYb(MoO ₄) ₂	?	770	Pccm	1010	P3m1	77K1
CsYb(WO ₄) ₂	P2 ₁ /c	770	?	1170	P3m1	74TrR; 77Kl
Cs ₂ ZnCl ₄	?	333	?	572	?	910n
Cs ₂ ZnGe ₅ 0 ₁₂	cubic	670	143d			8 4 To2
Cs ₂ ZnI ₄	P 1	96	P2 ₁ /n	108	inc.	
		118	Pnma			89Ale
CsZnPO ₄	P2 ₁	523	?	578	?	84Bl
CuAgS - see: AgCuS	•					
[⋭] CuAu	Fm3m	?	?	?	Fm3m	76Pi
Cu ₃ Au	Fm3m	670	Pm3m			89But
Cu ₃ B ₇ O ₁₃ Br	ortho.	222	cubic			LB. 16a
Cu ₃ B ₇ O ₁₃ C1	Pca2	365	F 4 3c			LB. 16a
Cu ₃ BiS ₃	P2 ₁ 2 ₁ 2 ₁		Pnma?	408	inc.	
3 3		463	Pnma?			83Mak
* CuBr	F43m	664	P6 ₃ mc	743	Im3m	LB. 7a
CuBrTe	?	230	?	351		91
* CuCl	F43m	680	P6 ₃ mc			LB. 7a
CuCr ₂ O ₄	I42d?	860	Fd3m			89Ta
CuCrS ₂	R3m	675	Rām			89KaA
CuFe ₂ O ₄	14 ₁ /amd	?	Fd3m			79Sa
^{CuFe} 2 ^O 4 ^{Cu} 2 ^{FeS} 4	P6 ₃ /mmc		Fm3m			PH. 2
	_					

	Cu ₅ FeS ₄	Pbca	443	P42 ₁ c	510	Fm3m	PH. 2
	Cu ₅ Gd	F43m	933	P6 ₃ /mmc			PH. 2
	Cu ₃ Ga	?	?	P6 ₃ /mmc	?	Im3m	89ChH
	Cu ₃ Ge	Pmmn	· ?	P6 ₃ /mmc?		1 mon	TA. 1; PH. 2
	Cu ₂ GeS ₃	monocl.		F43m			PH. 2
	Cu ₈ GeS ₃	trig.		tetr.?			PH. 2
*		Im3m		Fm3m			
	Cu ₈ GeS ₆						89Ali
*	Cu ₈ GeSe ₆ Cu(HCOO) ₂ .4H ₂ O	P6 ₃ cm P2 ₁ ?		P6 ₃ mc			89Goe
		1. 142m		P2 ₁ /a F43m			LB. 16b
*	Cu ₂ HgI ₄ CuI	F42m			CO.4	E40	LB. 7a
		142d	646 ?	P6 ₃ mc F43m	684	F43m	LB. 7a
-	CuInSe ₂						76Pi
*	CuInTe	?	281	?			91
_	CuInTe ₂	?		142d			PH. 2; 91
	CuMn ₃ N	tetr.		Pm3m			70Bar; PH. 2
	CuMnSb	F43m	753	?			890t
	Cu ₂ MnSn	P6 ₃ /mmc	?	Fm3m			PH. 2
	Cu(NH ₃)2Br ₂	C2/m	?	cubic			LB. 7a
	Cu(NO ₃) ₂	?	383	?			77Ch
	Cu ₂ P ₂ O ₇	C2/c	345	C2/m			67Ro
	Cu ₃ Pd	P4/mmn	733	?			PH. 2
	CuS	Cmcm	55	P6 ₃ /mmc			88Fi
*	Cu ₂ S	P2 ₁ /c	378	P6 ₃ /mmc	730	cubic	76Pi
	CuSCN	Pcab	?	R3m			PDF
	CuSU	tetr.	226	cubic			PH. 2
	CuSbS ₂	Pna2	366	Pnma			75Gr
	Cu ₃ SbS ₃	P2 ₁ /c	395	ortho.			PH. 2
	Cu ₃ SbSe ₄	I 42d	698	F43m			PH. 2
	CuSe	P6 ₃ /m	327	ortho.	393	P6 ₃ /mmc	81Ke; PH. 2
*	Cu ₂ Se	trig.?	<100	monocl.	413	Fm3m	PH. 2; 91FrM
	CuSiF ₆ .6H ₂ O	?	80	ΡĪ	279	R3	
			305	RЗ			89Boy
	Cu ₂ SiS ₃	tetr.	1113	P6 ₃ /mmc?			PH. 2
	Cu ₃ Sn	ortho.	?				PH. 2
*	Cu ₄ SnS ₄	Pnma	232	142m			77Ja; PH. 2
	Cu ₈ SnS ₆	?	328	?			89Ali
	Cu ₂ Te	ortho.	463	ortho.	533	ortho.	

	583	?	633	P6 ₃ /mmm	748	cubic	89Vo
Cu ₃ Te ₂		Pnnm	413	hex.	903	cubic	TA. 2
Cu ₁₃ Te ₇		ortho.	?	monocl.			PH. 2
CuZrF ₆		?	353	hex.	383	Fm3m	83Fr
O							
4,4'-dichlore	obenzoj	ohenone					
		?	175	inc.	186	C2/c	90 W o
DCD = p-dich	lorodu	rene					
		P2 ₁ /a	161	P2,/a	378	Pmnn	78Me; 90Ec
DCP = 3,5-die	chloro	•		1			
	•	?	167	?	287	P2 ₁ /m	83Ro
DCPS = 4,4-d	ichlor	odiphenyl	sulf	one		1	
				inc.	150	12/a	90 KaK
DGN - see: (1	NH_CH_(COOH) HNO	2				
(DMET) ₂ Au(CN			-	e_)_Au(CN)_		
DMN = N, N, -d				P2 ₁ /c	107	P2 ₁ /m	80Fi
DNP =	•			P2	31	1	89ToB
DPH = 1,2-di	phenyl	hydrazine	•	?	115	•	82Ma
DBr		Bb2 ₁ m	94	Bbcm	120	Fm3m	t.9.2
DC1		Pn2 ₁ a		Fm3m			t.9.2
D ₂ S		P4 ₂	108	Pa3	133	Fm3m	t.9.4
D ₂ Se		?	90	cubic	176	cubic	t.9.4
D(UO ₂ AsO ₄).4	1D ₂ O	ΡĪ	290	tetr.			84Ha
D(UO ₂ PO ₄). 41	-	?	260	tetr.			84Ha
* Dy	2	P6 ₃ /mmc	1243	?	1665	cubic	61Sp
* DyAsO ₄		P2 ₁ 2 ₁ 2 ₁	2		11	I4 ₁ /amd	72Go
* DyCl3		Cmcm	?	C2/m		•	82Gar
DyF ₃		Pnma	1303	P3c1			LB.7a
Dy2(MoO4)3		Pba2	418	P42 ₁ m			73Br
	and:	C2/c	1078	_ •	1303	cubic	73Br
DyNbO ₄		C2/c	1143	tetr.			84Ku
* Dy ₂ 03		Ia3	1950	C2/m	2190	P3m1	
2 3			?	hex.	2345	cubic	LB. 7b
$Dy_2Si_2O_7$		P1/P1	1740	Pnam			70Fe
* DyVO ₄		Imma	14	I4 ₁ /amd			85Ta
-	or:	?	230	I4 ₁ md	300	I4 ₁ /amd	90Hu

	Erc ₂		ortho.	1423	I4/mmm	1583	Fm3m	TA. 3
	ErF ₃		Pnma	1348	hex.			LB. 7a; 73So
	ErMnO3		P63mc	833	?			LB. 16b
	ErNbO ₄		C2/c	1113	I4/a			89KoF
	ErNiB ₄		?	?	I4/mmm			84Kuz
	Er ₂ 0 ₃		Ia3	?	C2/m	2320	P3m1	
				?	hex.			LB. 7b
*	ErOF		RЭ́m	<870	Fm3m			76Pi
	Er ₂ Si ₂ O ₇		P1	1323	B2/m	1673	P2 ₁ /a	73Sm
	ErTl		tetr.	<300	PmŌm		•	85Kur
	ErZrF ₆		P2 ₁	1223	cubic			73Pou
	EuAlO ₃		ortho.	1603	trig.			84Co
	EuAl ₃ (BO ₃) ₄		trig.	>1100	C2/c			88Be
	EuF ₃		Pnma	973	P31c			73So
	Eu ₂ (MoO ₄) ₃		Pba2	453	P42 ₁ m			
		and:	C2/c	1154	P42 ₁ m			73Br
*	EuMo ₆ S ₈		ΡĪ	110	R3 T			89Qu
*	EuMo ₆ Se ₈		P1	110	RЗ			89Ku1
	EuNbO ₄		C2/c	1103	tetr.	1183	?	84Ku
	Eu ₃ Nb ₂ O ₇		Cmm2	210	Cmmm			85Ast
*	Eu ₂ 0 ₃		Ia3	1050	C2/m	2040	P3m1	
	2 3			2140	hex.	2270	cubic	LB. 7b
	EuP ₅ 0 ₁₄		P2 ₁ /c	391	Pmna			90Ca
	Eu ₂ Si ₂ O ₇		P1/P1	1570	P4 ₁ 22	1690	Pnam ?	
	2 2 1			1750	?			70Fe
	Eu ₂ TiO ₅		Pnam	?	hex.			84Su
	EuVO _A		?	230	I4₁md	300	I4 ₁ /amd	90Hu
	**				1		1	
	Ferrocene -	see: F	e(C_H_),					
	F ₂		C2/m	2 45	Pm3n			t. 9. 1
*	Fe		Im3m	>1000	Fm3m	>1600	Im3m	79Ve
	Fe ₃ B ₇ O ₁₃ Br		trig.	405	Pca2	495	F43c	LB. 16a
	Fe ₃ B ₇ O ₁₃ C1		R3c	528	m 1	543	Pca2	
	3 / 13			609	F 4 3c		1	85Me
	Fe ₃ B ₇ O ₁₃ I		R3c	205	Pa	218	Pca2	
	3 1 13			349	F43c		1	LB. 16a

*	Fe(C ₅ H ₅) ₂	tricl.	164	P2 ₁ /a			t.10.6
	and:	Pnma	250	P2 ₁ /a			80Ber
	$Fe_2(CO)_5(C_5H_5)(\mu-CC_5H_5)$	O)[μ-C(C ₆	H ₅)C(C ₆ H ₅)H]			
		P1	163	P2	223	P2 ₁ /n	89Sol
	FeF ₃	trig.	650	Pm3m			85Mog
	FeLi0 ₂	?	?	Fm3m			78Zv
	FeMnP	ortho.	?	monocl.			87Che
*	FeMoO ₄	monocl.	720	monocl.			68S1
	FeMo ₆ S ₈	tricl.	100	R3	473	trig.?	84FrK
*	Fe ₂ 0 ₃	P2 ₁ 3	?	Ia3	?	R3c	LB. 7b
*	Fe ₃ 0 ₄	Imma	119	Fd3m			LB.7b
	Fe(ptz)6BF4	tricl.	130	R3			87Wi
	FePO ₄	P3 ₁ 2 ₁	980	P6 ₄ 22			80Ko
	FeRu(CO) ₅ (C ₅ H ₅)(μ-						
	3 3 3	P1	163		223	P2 ₁ /n	89So1
*	FeS	P - 62c		Pnma	600	P63/mmc	82Ki
	FeS ₂	Pnnm	?	Pa3		J	81Ke
	FeSe ₂	Pnnm	?	Pa3			81Ke
	FeSi ₂	ortho.	1255	tetr.			TA. 2
	FeSiF ₆ .6H ₂ O	tricl.	225	Pām1			89Er
	or:	P2 ₁ /c	225	ห 3ื			90Ch
	FeTe ₂	Pnnm	?	Pa3			81Ke
	FeZrF ₆	RЗ	208	Fm3m			83May
	GaF ₃	trig.	1130	Pm3m			85Mog
	GaMn ₃ C	I4/mcm	?	cubic			70Bar
	GaMn ₃ N	cubic	298	Pm3m			70Bar
	GaMo ₄ S ₈	R3m		F43m			90Fr
	GaMo ₄ Se ₈	trig.	54	F43m			84Be
	Ga ₂ O ₃	trig.	923	monocl.			89СhН
	GaPO ₄	C222 ₁	900	F43m			80Ko
	Ga ₂ Te ₃	P43m	935	?			90BaA; PH. 3
*	Gd	$P6_{3}/mmc$	1535	Im3m			61Sp
	$GdA1_3(BO_3)_4$	R32	1315	C2			88Be
	GdA10 ₃	ortho.	1973	trig.			84Co
	GdC ₂	I4/mmm	1513	Fm3m			81Ke; TA. 3
	GdC1 ³	Ccmm	373	P6 ₃ /m			65Ha
	$GdDy(MoO_4)_3$	Pba2	428	P42 ₁ m			
	and:	C2/c	1111	P42 ₁ m			71Br

	GdF ₃	Pnma	1348	P3c1			73So
	GdGe ₂	Imma	?	I4,/amd			81Ke
*	Gd ₂ (MoO ₄) ₃	Pba2	432	P42 ₁ m			
	and:	C2/c	1130	P42 ₁ m			71Br
	GdNbO ₄	C2/c	1093	tetr.			84Ku
	Gd ₃ NbO ₇	Cmm2	330	Cmmm			85Ast
	Gd ₂ O ₃	Ia3	1573	C2/m	2443	P3m1	
			2473	hex.	2633	cubic	LB. 7b1
*	GdOF	RЭm	877	Fm3m			73Ko
	GdP5014	P2 ₁ /c	<440	Pncm			90Ca
	Gd ₂ S ₃	ortho.	1485	cubic			90An
	GdSi ₂	Imma	?	I4 ₁ /amd			81Ke
	Gd ₂ Si ₂ O ₇	P1/P1	1700	Pnam/Pna	²² 1		70Fe
	Gd ₃ TaO ₇	C222 ₁	1280	cubic	-		79A1
	GdT1	tetr.	300	cubic			85Kur
	GdVO ₄	?	230	I4 ₁ md	300	I4 ₁ /amd	90Hu
	GeF ₂	P2 ₁ 2 ₁ 2 ₁	335	tetr.		•	89De
	GeMn ₃ C	I4/mcm	?	cubic			70Bar
*	GeO ₂	P4 ₂ /mnm	1320	P3 ₁ 21			LB. 7b1
*	GeS ₂	Pc	?	P2 ₁ /a			87Z1
	GeSe	Pcmn	930	Fm3m			87Z1
*	GeSe ₂	P2 ₁ /c	?	Pmmn			87Z1
*	GeTe	R3m	670	Fm3m			LB. 16b
	HUAs - see: HUO2AsO						
	HUP - see: HUO2PO4	4H ₂ O					
						_	
	hexachlorocyclopro		CP)	monocl.		?	
_		and:		monocl.	301	?	90Su
*	9-hydroxyphenaleno					70 /	• • •
		P2 ₁	255	P2 ₁ /c	385	I2/c	84hpl
*	HBr	Bb2 ₁ m	90		114	Pa3	
		_	117	Fm3m			88Coc
	$H_2C_4O_4$ - see: $C_4H_2C_4$	-		5 0			ID 15
*	HC1	Bb2 ₁ m	98	Fm3m			LB. 16
	HI	7	10	?		Cmc2 ₁	
		•	70	Cmca	126	Fm3m	89Ts
	H ₂ NCONHNH ₂ . HC1	?	43	?	292	?	

			294	P2 ₁ 2 ₁ 2 ₁			LB. 16b				
*	н ₂ о	Fm3m		hex.			88Si				
	HOOC (CH ₂) ₄ COOH	?	136	P2 ₁ /a			880h				
	H ₃ 0UO ₂ AsO ₄ .3H ₂ O - s	ee: HUAs		•							
	H ₃ OUO ₂ PO ₄ .3H ₂ O - see: HUP										
		P4 ₂	104	Pa3	126	Fm3m	t.9.4				
	H ₂ Se	?	82	cubic	173	cubic	t.9.4				
	H(UO2AsO4).4H2O	?	253	Pccn?	301	P4/ncc	83Ha1				
	H(UO_PO_4).4H_0	?	110	?	180	Pccn?					
	2 4 6		274	P4/ncc			89Col				
*	Hf	hex.	2223	Im3m			61Ta				
	HfAl ₃	I4/mmm	?	I4/mmm			TA. 3				
	HfMo ₂	Fd3m	873	P6 ₃ /mmc			61Ta				
*	HfO ₂	P2 ₁ /c	<470	P4 ₂ /nmc	2970	Fm3m	LB.7b1				
	HfV ₂ - see: V ₂ Hf	•		-							
	Hg ₂ Br ₂	Cmcm	143	I4/mmm			81Bo				
	Hg ₂ Cl ₂	Cmcm	185	I4/mmm			81Bo				
•	HgI ₂	P4 ₂ /nmc	399	Cmc2,			LB.7a				
	HgS	cubic	?	P3 ₁ 21							
*	Но	P6 ₃ /mmc	1239	_			61Sp				
	HoAl ₂	ortho.	20	ortho.	31	cubic	88Ib				
	HoCl ₃	Cmcm	433	C2/m			82Gar				
	HoF ₃	Pnma	1343	P31c			73So				
	HoMnO ₃	P6 ₃ mc	873	?			LB. 16a				
	Ho ₂ (MoO ₄) ₃	Pba2		P42 ₁ m							
	and:	P42 ₁ m	1126	Pnca			73Br				
	HoNbO _A	C2/c	1093	tetr.			84Ku				
*	Ho ₂ O ₃	Ia3	2190	C2/m	2220	P3m1					
	2 3		?	hex.			LB. 7b1				
	Ho2Si2O7	P1/P1	1270	C2/m	1540	P2 ₁ /a					
	2 2 1		1793	Pnam		•	70Fe				
	Ho3TaO7	C222 ₁	1770	Fm3m			79Al				
	•	•									
	IF ₇	Aba2	153	Im3m			LB. 7a				
	InCl ₂	monocl.	?	Pnna			LB. 7a				
	InI	?	>300	?							

	and:	?	100	?			91Be
InMo ₆ S ₈		tricl.	140	кā	410	?	PH. 1
In ₃ Sb ₅ O ₁₂		Bm	170	R3m	413	Rām	
3 3 12			800	Im3m			89G1
In ₂ Se ₃		tetr.	148	trig.	213	?	
2 3			473	trig.	923		77Po
	or:	hex.	468	hex.	923	cubic	
			1023	monocl.			TA. 2
In ₂ Te ₃		F 4 3m	795	F43m			89Ga
InTl		tetr.	?	Pm3n			64Ba
IrF ₆		Pnma	272	Im3m			LB.7a
0							
KAg ₄ I ₅		?	51	hex.?	<139	trig.?	
4.5			?	cubic?			90Ak
KA1F ₄		P2 ₁ /m	250	P4/mbm			85LaB
K3AlF6		I4/mmm	575	Fm3m			81Zai
K3AlH4F2		ortho.	?	cubic			87BaC
KAISIO4		P6 ₃	1159	P2 ₁ 2 ₁ 2 ₁			90PaC
KAISI206		tetr.	878	cubic			84To1
KAsF		RЗ	363	Fm3m			75He
KBF ₄		Pnma	558	F43m			LB.7a
KBH ₄		F43m	77	Fm3m			t.7.11
K ₂ BaCo(NO ₂) ₆	ortho.	?	Fm3m			75Ta
K ₂ Ba(NO ₂) ₄		?	203	Pbam	420	P6 ₃ /mmm	78Iv;90Pl
K ₂ Ba ₄ Nb ₁₀ O		P4bn	665	?		J	89Bun
K2BeF4		Pn2 ₁ a	968	Pnma			65Mu
KBiF ₄		hex.	588	cubic			83Mat
KBiF ₆		Ia3	?	P4c2			LB.7a
KBi(MoO ₄) ₂	<u>.</u>	P2 ₁ /c	650	I4 ₁ /a			77Kl
K ₂ Bi ₃ (PO ₄)		P2 ₁ ca	745	Pnma			86De
$K_3Bi_2(VO_4)$?	788	?			86Dr
$\text{KBi}(\text{WO}_4)_2$		I2/c	?	?	?	?	77Kl
KCN		Pmmn	83	Immm	168	Fm3m	85E1
KCaCl ₃		Pnma	808	P4/mbm	908	Pm3m	79Mi
KCaF ₃		Pnma	551	Bbmm	565	Pm3m	84HiY;91Ri
K2Ca2(SO4)	2	tetr.	457	P2 ₁ 3			8801

	KCdF ₃		Pnma	471	Bmmb	485	Pm3m	89ChV
	K ₂ Cd ₂ (SO ₄)	2	P2 ₁ 2 ₁ 2 ₁	432	P2 ₁ 3			89V1
	KCeF ₄	3	Pnma	1028	Fm3m			LB. 7a
	KCe(MoO ₄) ₂		monocl.	?	I4 ₁ /a			77K1
	KCe(WO ₄) ₂		I2/m		I4 ₁ /a			77K1
*	KC10 ₃		P2 ₁ /m		Pnma			76Pi
	3	or:	Pcmm		?			89BrS
*	KC104		Pnma	574	Fm3m			t.7.11
	K ₂ CoBr ₄	[a]	P2 ₁	143	P2 ₁ /m	473	Pmcn	91Sh
	2 4	[β]	?		P2 _i cn	300	Pmcn	
				555	Pnma			90Suz; 91Sh
*	K ₃ Co(CN) ₆	[1M]	?	63	P2 ₁ /c			
	3 6	[20r]	P2 ₁ /n	81	Pnca			87Sa
	K ₂ CoCl ₄	[A]	P2 ₁ /c	903	Pna2 ₁			80Ar
	2 4	[B]	?	142	P2 ₁ cn	454	inc.	
				558	?			89Suz
	KCoF ₃		tetr.	135	Pm3m			81Zai
	K4Co (MoO4)	2	PĪ	770	ortho.			89K1
	KCoPO,	,	ortho.	?	P63			80Ar
	K2Co2(SO4)	2	P2 ₁ 2 ₁ 2 ₁		P2 ₁ 3			84Br
	K ₃ Cr(CN) ₆	3	P2 ₁ /c				»	87De
	KCrF ₃		I4/mcn	643	Pm3m	•	<i>9</i> .55.	LB. 7a
	KCrF ₄		hex.	1069	P6 ₃ /m			LB. 7a
	K ₂ CrF ₆		?	446	?	495	Fm3m	LB. 7a
*	K ₂ CrO ₄		Pnam	960	P6 ₃ /mmc			86Ru
	K ₂ Cr ₂ O ₇		ΡĪ	526	P2 ₁ /c			89Hes
	K ₄ Cu(MoO ₄)	3	monocl.	593	-	713	hex.	89K1k
*	K ₃ Cu ₈ S ₆		inc.	153	monocl.			89Rag
	K4Cu(WO4)3		tricl.	803	monocl.			89K1k
	KD2AsO4		Fdd2	161	142d			t.7.14
	KD3(SeO3)2		P2 ₁ /b	296	Pbcn			LB. 16b
	$KDy(WO_4)_2$		C2/c	1298	?			68Sp
		or:	I2/c	?	Pcan			77K1
	KEr ₂ F ₇		monocl.	?	P2 ₁ cn			80A1
	K ₃ ErF ₆		P2 ₁ /n	548	?	668	?	
			-	723	?			79Re
	$KEr(WO_4)_2$		C2/c	1213	?			68Sp
		or:	I2/c	?	Pcan			77K1

	"" (v a)	_=					
	KEu(MoO ₄) ₂	ΡĪ	1133	1	1250	Pcan	•
•			>1250		?	?	77K1
	KEu(WO ₄) ₂	C2/c	1283	?			68Sp
	or:	I2/c	?	Pcan	?	14 ₁ /a	77K1
	K ₃ Fe(CN) ₆	P2 ₁ /c	134	Pnca			84SaM
*	K_3 Fe(CN) ₆ .3 H_2 O	Cc	249	C2/c			LB. 16. b
	or:	tetr.	218	C2/c			90KrS
	KFeCl ₃	ortho.	?	hex.			80Vi
	KFeF ₃	trig.	121	Pm3m			LB. 7a
	KFeF ₄	Pm2 ₁ n	368	Amma	563	Ammm	89S c2;89Hid
	K ₃ FeF ₆	P4/mnc	413	Fm3m			LB. 7a
	K3Fe5F15	Pba2	490	4/mmm			89RaA
	KFe(MoO ₄) ₂	1	139	C2/m	311	P3c1	83Du
	KGaF ₄	Pnma	465	?			89CoR
	KGaF ₆	?	445	?	512	Fm3m	
			1283	?			LB.7a
	K3GdF6	?	768	?			73Ko
	KGd(MoO ₄) ₂	P1	?	P2 ₁ /c	?	Pcan	
			?	Pnnn	?	?	77K1
	KGd(WO ₄) ₂	C2/c	1278	?			68Sp
	or:	I2/c	?	Pcan	?	I4 ₁ /a	77K1
*	KHAsO ₄	Fdd2	96	142d		•	t.7.14
	KHCO3	P2 ₁ /a	318	C2/m			90KaY
*	KHF ₂	I4/mcm	469	Fm3m			LB. 7a
*	KH ₂ PO ₄	Fdd2	123	I 42d	450	P2 ₁ ?	
			506	?		•	LB. 16b
	KHS	trig.	453	Fm3m			70A1
	KHSO ₄	Pbca	448	?			76Pay
	KHSe	trig.	>300	Fm3m			70A1
	KH ₃ (SeO ₃) ₂	P2 ₁ /b	211	Pcan			LB. 16. b
	K ₃ H(SeO ₄) ₂	?	20	A2/a	390	RЗm	85Ko
	K ₃ HfF ₇	ortho.	275	tetr.	?	cubic	89Dov
	K2HfW5018	?	503	?	973	P6 ₃ 22	90St
*	K ₂ Hg(CN) ₄	R3c	110	Fd3m		3	89Pow
	KHo(WO ₄) ₂	C2/c	1298	?			68Sp
	or:	12/c	?	Pcan			77K1
	KIO ³	?	83	?	255	P1	
			343	Cm	485	R3m	LB. 16b

ŧ	KIO3. HIO3	P2 ₁	223	P2 ₁ /c			83PeV
	K3InCl6		670	-			LB. 7a
	KIn(WO ₄) ₂	I2/c	354	Pcmn	1123	P3m1	77K1
	KLa(MoO ₄) ₂	monocl.	?	tetr.			90MaP
	KLa(WO ₄) ₂	I2/m	1020	I4 ₁ /a			77K1
	K2LiAlF6 - see: Lil	2AlF		-			
	KLiCrO ₄	P2 ₁ nb	668	P2 ₁ /n	700	P63	
	•	-		?		•	88Kl
	$K_4LiH_3(SO_4)_4$?	114	P4 ₁	472	?	89PiB
	$K_4LiH_3(SeO_4)_4$	P4 ₁	469	?			91Pi
	KLiMoO ₄	P2 ₁ /n	643	P6 ₃	689	P1	
	-	-		F43m			88K1M
	K3Li2Nb5015	P4bm	703	?			LB. 16a
	KLiSO ₄ - see: LiKS	04					
	K3 ^{Li} 2 ^{Ta} 5 ⁰ 15	ortho.	7	tetr.			72Ya
	KLiWO4	P2 ₁ /n	633	P1	688	F43m	88K1M
	KLu(MoO ₄) ₂	Pcan	1098	?			68K1
	K ₃ Lu(PO ₄) ₂	P3 ?	44	P2 ₁ /m	159	Сс	
			241	P3 T			88Ro
	K_3 Lu(WO ₄) ₂	I2/c	?	Pcan	1330	P3m1	77Kl
	KMgCl ₃	monocl.	415	Pnma	485	Cmcm	
			497	P4/mbm	569	Pm3m	79Mi
	KMgH ₂ F	tetr.?	328	?	450	?	90Bou
	$K_2Mg_2(SO_4)_3$?	51	?	55	?	
			64	?			90Boe
	KMnCl ₃	cubic	100	tetr.	731	cubic	78Fe
	KMnF ₃	monocl.	?	Pnmb	88	tetr.	
			186	cubic			89Le
Ħ	K ₂ Mn ₂ (SO ₄) ₃	P2 ₁ 2 ₁ 2 ₁	201	P2 ₁ 3			LB. 16b
	K ₂ MoO ₄	C2/m		_	733	hex.?	83Tu, 70Ak
	K ₃ MoO ₃ F ₃	?	453	3	528	m3m	91Ye
4	KNO ₂	monocl.	223	P2 ₁ /c	264	RŌm	
			315	Fm3m			89ScR
4	* KNO ₃	Pnma	401	RЗm			LB. 16b
	(on cooling):	Pnma	388	R3m	398	Rām	LB. 16b
	$K_3^{Na(CrO_4)}_2$	2/m	239	3			90Kra
	K ₂ NaDyF ₆	tetr.	480	cubic			85Go

	KNbC1 ₆	cubic	429	hex.	572	Fm3m	
	-		607	?			87Po,78Sa
	KNbO ₃	R3m	263	Bmm2	498	P4mm	
	-		708	Pm3m			LB. 16a
	KNbW2O9	?	523	?	545	?	
	593	?	655	P6 ₃	835	P6 ₃ 22	77Ya
	$KNd(MoO_4)_2$	P2 ₁ /c	?	I4 ₁ /a			77K1
	KNd(WO ₄) ₂	C2/m	1090	14 ₁ /a			75K1
	KNiCl ₃	P63mc	560	hex.	753	hex.	1708
*	KO ₂	P1	?	C2/c	?	inc.	
			?	I4/mmm	>273	Fm3m	81Ke
	$K_2^{0. A1} 2_3^{0. 4Si0}$	I4 ₁ /a	897	cubic			85KoN
	КОН	P2 ₁ /a	233	P2 ₁ /m	493	FmЗm	84Haa; 87BaE
	^K 2 ^{0sC1} 6	tetr.	43	cubic			85Ra
*	KPF ₆	?	259	trig.	274	Fm3m	74He
	KPO ₃	P2 ₁ /a	524	P2 ₁ /a	722	Pbnm	
			923	Bbmm			85Sch
	K2PbC16	P2 ₁ /n	333	Fm3m			LB. 7a
	K2PbCu(NO2)6	P1	273	Fmmm	.281	Fm3m	81Pa
	^K 2 ^{Pb} 4 ^{Nb} 10 ^O 30	ortho.	735	tetr.			84Mo
	K ₃ PdH ₃	P4 ₂ /mnm	5000	Pm3m			90BrA
	KPr(MoO ₄) ₂	monocl.	?	I4 ₁ /a			77K1
	KPr(WO ₄) ₂	12/m	1070	I4 ₁ /a			75K1
	K2PtBr6	?	<195	Fm3m			81Ab
	K2PtD4	P4 ₂ /mnm	195	Fm3m			90BrJ
	K2 ^{ReBr} 6	?	269	Fm3m			89Ku
	K2 ^{ReCl} 6	Pn3	76	monocl.	103	tetr.	
			111	Fm3m			81Ab
	K2 ^{ReI} 6	P.cn	474	Fm3m			79Ku
	$K_4^{Ru(CN)}_6$. $3H_2^{O}$?	259	C2/c			76Mi
	KSCN	Pbcm	412	I4/mcm			87Ya
	KSH - see: KHS						
	K ₂ SO ₄	?	56	Pmcn	855	P6 ₃ /mmc	81Ar; 82GeT
	KSbF ₆	123	289	P4 ₂ /mcm			76Не
	KSbO ₃	?	?	I2/m			90Sc
	KSbOSiO ₄	ortho.	625				91Ra
	KSc(MoO ₄) ₂	C2/c	181	C2/m	258	P3m1	85Za

	Ker(no)		P1	200	C2 /-	006	ກລັ	
	KSc(WO ₄) ₂				C2/c	306	P3m1	90Za
	K ₅ Se ₃		C2/m		I4/m			88Sc; 91Sch
	K ₂ SeBr ₆		P2 ₁ /n	162	C2/c	221	P4/mnc	
				235	Fm3m			80No
	K ₂ SeO ₄		?	56	Pna2 ₁	93	P(Pnam)/(iss)
			_	130	Pnam	745	P6 ₃ /mmc	LB. 16b; 89PeM
	K ₄ Si ₈ O ₁₈		PĪ	869	B2/m11			74Sc
	$KSm(MoO_4)_2$		P2 ₁ /c	?	Pcan	?	I4 ₁ /a	77K1
	$KSm(WO_4)_2$		C2/c	?	Pbcn	?	I4/a	75K1
	K ₂ SnBr ₆		P42 ₁ 2	126	Fm3m			LB.7a
	K ₂ SnCl ₆		P2 ₁ /n	255	C2/c	261	P4/mnc	
				262	Fm3m			84IhA
	KSnI ₃		?	342	?			90Ya
	KTaCl ₆		hex.	138	?	311	?	
	_			373	?			78Sa
*	KTaO ₃		trig.	280?	Pm3m			71Ab
	K ₃ TbF ₆		ortho.	588	tetr.	698	cubic	81Zai
	KTb(MoO ₄) ₂		P1	?	Pcan			77K1
	KTb(WO ₄) ₂		I2/c	1025	Pcan	?	I4 ₁ /a	77K1
	K ₂ TeBr ₆		P2 ₁ /n	410	P4/mnc	445	Fm3m	84Zai
	KTiF ₄		ortho.					89Sc2
	KTiOAsO,		Pna2 ₁	1153	?			91MoK
*	KT10PO		Pna2	1205	Pnam			89MaB
	KTm(MoO ₄) ₂		Pcan	788	?	913	?	68K1
	KTm(WO ₄) ₂		I2/c	1030	Pcan			77K1
	KUO2PO4.3H2	0	?	>100	?	230	P4/ncc	85Ph
	KVF ₄		ortho.	530	Amma ?			89Sc2
	K ₂ VF ₆		P3m1	?	P6 ₃ mc			LB. 7a
	K ₂ WO ₄		C2/m	643	9 Pnma	707	hex.?	70Ak; 83Tu
	K ₃ WO ₃ F ₃		trig.	?	cubic			
	KY(WO ₄) ₂		I2/c	?	Pcan			77K1
	KYb(MoO ₄) ₂		Pcan	1148				68K1
	KYb(WO ₄) ₂			1030		?	P3m1	77K1
		[α]	P2 ₁		P2 ₁ /m		Pmcn	90Sh; 91Sh
		[β]	?	190	-		Pmcn	
				560	Pmcn			91Sh
*	K ₂ ZnCl ₄		?	90		145	Pna2 ₁	
	2 4				•		1	

	403	P(Pnam)/	(Īss))	553	Pnam	89Ty; 90Sh
$K_4^{Zn(MoO_4)}_2$		monocl.	?	P2 ₁ 2 ₁ 2 ₁	638	hex.	89K1K
KZnPO ₄		ortho.	?	P63			80Sa
* $K_2 Zn_2 (SO_4)_3$		P2 ₁ 2 ₁ 2 ₁	87	P1 ?	?	P2, ?	
			137	P2 ₁ 3		•	80Hi
K ₃ ZrF ₇	•	ortho.	300?	tetr.	?	cubic ?	89Dov
$K_2ZrSi_2O_7$		P2 ₁ /b	?	C2/m	?	RЗm	73Vo
K ₂ ZrW ₅ O ₁₈		?	498	?	1053	P6 ₃ 22	90St

LAT - see: LiNH4C4H4O6.H2O

*	La	Fm3m	583	P6 ₃ /mmc	609	Fm3m	•
			1138	Im3m			8601;89Lu
	LaAlO ₃	Rām	795	Pm3m			72Fe; 91BeV2
	LaAs ₂	P2 ₁ /c	1023	(Cc)B2/1	b		81Ke; PH. 3
	LaC ₂	I4/mmm	1333	Fm3m			68Bo
*	LaCd	tetr.	50	cubic			81Pe
	LaCrO ₃	ortho.	553	trig.	1303	cubic	72Fe
	LaCu ₆	P2 ₁ /c	480	Pnma			89Vr
	La ₂ CuO ₄	ortho.	>450	4/mmm			90ScC
	LaF ₃	?	210	?	>260	P3c1	
	. •		380	?			89A1A
	LaFeO ₃	monocl.	1253	cubic			72Fe
	LaGaO ₃	Pbnm	418	trig.			72Fe
	LaIr ₂ Si ₂	I4/mmm	2003	P4/nmm			83Br
	LaMn ₃ Mn ₄ O ₁₂	monocl.	690	cubic			90Tr
	La ₂ (MoO ₄) ₂	C2/c	1121	14 ₁ /a			73Br
	LaNbO ₄	C2/c	793	I4/a			89KoF
	La2NiO4	P4 ₂ /ncm	80	ortho.	240	I4/mmm	89Sae
	or:	P4 ₂ /ncm	80	Bmab	770	I4/mmm	90KrM; 91Fe
	La ₂ 0 ₃	Ia3	770	P3m1	2313	hex.	
			2383	cubic			LB. 7b1
*	LaOF	RĪm	>670	Fm3m			76Pi
*	LaP ₅ 0 ₁₄	P2 ₁ /c	399	Pncm			90Ca
	LaS ₂	tricl.?	>300	Pnma			81Ke
	La ₃ S ₄	cubic?	100	tetr.?			81Ei

La,	3 ^{Sb} 5 ^O 12	inc.	400	1 4 3m			89G1
	Se ₄	cubic ?	65	tetr.?			81Ei
_	•	P4 ₁	1623	P2 ₁ /c			900B
	TaO ₄	P2 ₁ /c	448	A2 ₁ am			81Cav
	TaO ₇	•	1270	_			79Al
La	Ti ₂ O ₇	P2 ₁	1770	?			LB. 16a
La	љо ₃	ortho.	?	cubic			LB. 4a
* Li		hex.	80	Im3m			86Be
Li	AgSO ₄	?	690	I43m	847	?	tab. 6. 1
Li	3 ^{A1F} 6	Pna2 ₁	483	C2/c	788	P2 ₁ 3	
			877	Ia3d	978	cubic	LB. 7a; 68Bu
* Li	A10 ₂	tetr.	?	P3 ₂ 21			82Pr
Li	AlSiO ₄	P6 ₂ 22	650	inc.	720	P6 ₂ 22	84Hau
* Lil	BH ₄	Prima	382	141 ?			t.7.11
Li	2 ^B 4 ^O 7	?	95	?	118	?	
			?	I4 ₁ cd			89Zar
Li	BaPO ₄	?	903	?	1243	?	
			1323	?			88Amm
Li	2 ^{BeF} 4	RŜ	449	?	563	trig.	
			635	cubic			LB.7a
Li	CdBO3	ΙĨ	1030	P3/m			85Bu
	or:	monocl.	960	P 6			90WeL
Li	2 ^{CdCl} 4	Fd3m	620	Fm3m			88KaT
Li	CdPO ₄	Pna2	1129	?	1163	?	88Amm
Li	Ce(WO ₄) ₂	Pī	988	14 ₁ /a			79K1
Li	2 ^{CoC1} 4	Imma	581	Fd3m			87Ka
	6 ^{CoC1} 8	Fm3m	623	cubic?			87Ka
	2 ^{CrCl} 4	C2/c	495	Imma ?	673	Fm3m	88KaT
	2 ^{CrO} 4	หรื	713	?			67Pi
	CsBeF ₄	P2 ₁ /n	346	Pc2 ₁ n			72ChT
Li	CsCr0 ₄	?	170	P2 ₁ /b	427	Pnma	
			573	cubic			87K1;87Mou
	.CsSO ₄	P112 ₁ /n		Pmcn			81Pi
	.CsSe0 ₄	?		ortho.?			87Mou
	.Dy(WO ₄) ₂	P2/c		P2/n		14 ₁ /a	74Tr
	Er (WO ₄) ₂	P2/c		P2/n	1230	14 ₁ /a	74Tr
Li	.Eu(WO ₄) ₂	P2/c	1000	14 ₁ /a			74Tr

	Li ₂ FeCl ₄		Imma	399	cubic			88Kan
	LiFeGe ₂ O ₆		P2 ₁ /n	20	P2 ₁ /c	?	C2/c	90Be
	LiFeO ₂		I4 ₁ amd	?	14_{1} amd	?	Fm3m	80Ha
	Li ₃ Fe ₂ (PO ₄) ₃		P2 ₁ /n	508	P2 ₁ /n	533	Pcan	90By
	LiFeSi ₂ 0 ₆		P2 ₁ /c	228	C2/c			90Be
	Li ₃ GaF ₆		Pna2 ₁	798	C2/c			LB.7a
	$LiGd(WO_4)_2$		P2/c	1020	14 ₁ /a			74Tr
	Li ₂ Ge ₇ O ₁₅		?	135	Pbc2 ₁	280	Pbcn	89SaT
	LiHS		?	228	P4 ₂ /mmc			89Ja1
*	LiH ₃ (SeO ₃) ₂		?	353	amor pho	ous		89It
	LiHo(WO ₄) ₂		P2/c	1123	P2/n	1143	I4 ₁ /a	74Tr
	Li IO ₃		P6 ₃	520	Pna2 ₁	560	P4 ₂ /n	86Bou
	Li ₃ InF ₆		?	688	?	778	?	70Gr
	LiIn(MoO ₄) ₂		C2/c	?	?			77K1
	$\text{Li}_{3}\text{In}_{2}(\text{PO}_{4})_{3}$		monocl.	380	R3 ?	420	?	87Ge; 90PrS
	LiK ₂ AlF ₆		RЗm	743	P3m1			LB. 7a
	LiKCrO ₄ - see:	KLi	CrO ₄					
	Li4 ^K 6 ^{Nb} 10 ^O 30		tetr.	743	tetr. ?			73Iz
*	$LiKSO_4$ $slow$	cool	ing:		?	38	?	
				56	P2 ₁	140	Сс	
	1	190	P31c	245	P6 ₃	711	ortho.	85BhT; 85CaT;
	9	948	P6 ₃ /mmc					86BhT; 91BhT
	LiKSeO ₄		monocl.	498	P6 ₃	565	P6 ₃	78G1
	$LiLa(MoO_4)_2$		Pcab	1003	14 ₁ /a			73K1
*	$LiLa(WO_4)_2$		P1	993	14 ₁ /a			79K1
	LiLu(WO ₄) ₂		P2/c	1113	P2/n	1270	14 ₁ /a	74Tr
	Li ₂ MgCl ₄		Fd3m	791	Fm3m			88KaT
	Li ₂ MnBr ₄		ortho.	545	Fd3m	758	Fm3m	90Lu1
	Li ₂ MnCl ₄		Fd3m	900	Fm3m			88KaT
	LiMnFeF ₆		P321	833	P321			81Co
	Li ₂ MoO ₃		monocl.	?	cubic			88St
	Li(NH ₃) ₄		?	82	?			84Hs
	Linh4C4H4O6.H2C	(L)	IT)		P12 ₁ 1	106	P2 ₁ 2 ₁ 2	LB. 16b
	$Linh_4SO_4$ [α]		?	255	Pmc2 ₁	350	β(P2 ₁ cn)	91HIP
*	[β]		Сс	27	P2 ₁ /c	284	P2 ₁ cn	
				460	Pmcn			88To
	$Linh_4SeO_4$ [α]		?	200	Pca2 ₁	350	β	91Hi

		[ß]	?	>375	?			91Hi
	LiNaGe ₄ O ₉		?	113	Pcca			90Vok
	Li ₂ NaK(SO ₄)	3	ortho.	542	?	674	ortho.	88LiX
	LiNaSO	2	P31c	794	Im3m			86Lu
	Linbo3		R3c	1480	R3c			LB. 16a
*	ring(MO ^V) ⁵		ΡĪ	998	14 ₁ /a			79K1
	Li ₂ NiO ₄		P4 ₂ /ncm	70	Abma			90Ri
	Li ₂ 0 ₂		P63/mmc		tetr. ?			81Ke
	Li ₃ PO ₄		?	670	?	1440	?	86To
	LiPbPO4		Pna2	733	?	1179	?	88Amm
*	LiPr(WO ₄) ₂		ΡĪ	970	14 ₁ /a			79K1
	LiRbBeF ₄		P6 ₃		Pc2 ₁ n			70Ro; 72Ch
	LiRbCrO ₄		P31c	550	P63	606	Pcmn	
	•			843	P63/mmc			91MaV; 91Kr
	LiRb ₄ H(SO ₄)	.H.SO.	- see: Rb	LiH	-			
	LiRbSO	2 4	P112 ₁ /n			458	P2 ₁ /c11	
	4	475	P2 ₁ cn		inc.	477	Pmcn	89Gan
	LiRbSeO ₄		?		?	520	?	91Pi
*	Li ₂ SO ₄		P2 ₁ /c	848	cubic			67Pi
	Li ₃ Sc ₂ (PO ₄)	3			P2 ₁ /n	518	Pcan	90By
•	Li ₂ SeO ₄	J	R3 Î	926	?			67Pi
	LiSm(WO ₄) ₂		P1	943	I4 ₁ /a			79K1
	Li ₂ SnF ₆		P31m	783	P2 ₁ /c			LB.7a
	Li ₂ SnO ₃		monocl.	?	hex.			88St
	LiSrPO ₄		?	773	?	923	?	
	•	1063	?	1203	?	1288	?	88Amm
	LiTaO ₃		R3	895	หวิ			87Vo
	Li3TaO4		C2/c	?	P2			83Zo
	Li ₄ TaO ₄ F		?	933	?			88KaA
	LiTbF ₄		I4 ₁ /a	3	?			85Do
	LITb(WO4)2		P2/c	?	P2/n	1047	I4 ₁ /a	74Tr
	LiTiCl ₃		Fd3m	848	Fm3m			87MeS
*	LITIC4H406.	н ₂ о	monocl.					LB. 16b
	LiTlO ₂		Pnnm	?	I4 ₁ /amd	?	Fm3m	76Pi
	$LiTm(WO_4)_2$		P2/c	1133	P2/n	1270	14 ₁ /a	74Tr
	Li ₆ VCl ₈		cubic		cubic			87Ka
	Li ₃ VF ₆		Pna2 ₁	583	C2/c	838	?	LB. 7a

*	Li ₂ WO ₄	I4 ₁ /amd	573	ห ว ี			76Pi
	LiY(WO ₄) ₂	1 P2/c	988	P2/n	1177	14 ₁ /a	74Tr
	LiYb(WO ₄) ₂	P2/c	1120	P2/n	1270	14 ₁ /a	74Tr
	Li ₂ ZnCl ₄	Fd3m		Pbnm		1 1	88Lu
	LiZnPO _A	monocl.			995	?	88Amm
	Li ₄ Zn(PO ₄) ₂	C222 ₁	718	ortho.	1357	?	86To
	LiZr ₂ (PO ₄) ₃ (1170K)	_		P2 ₁ /n	573	Pcan	30.0
	(1470K)			Cc	303	R3c	89Su
*	LnP ₅ 0 ₁₄	C2/c	?	ortho.			78Sc
	5 14 Lu	hex.	1680	?			61Sp
	LuC ₂	I4/mmm	1773	_			PH. 2
	LuF ₃	Pnma	1118	_			73So
	LuMnO ₃	P6 ₃ cm	573				LB. 16a
	LuNbO ₄	3 C2/c	1088	tetr.			84Ku
	LuZrF ₆	P2 ₁	1023	cubic			73Pou
*	<u>-</u>	-					
•	MEM-(TCNQ) ₂	tricl.?		tricl.			85B1V
	Mg ₃ B ₇ O ₁₃ Br	ortho.		cubic			LB. 16a
	Mg ₃ B ₇ O ₁₃ C1	Pca2 ₁ P3m1		F43c			LB. 16a
	Mg ₃ Bi ₂		976				TA. 3
	Mg7 ^{Cl} 2 ^B 16 ^O 30	ortho.	538	cubic			
	MgCrO ₄	C2/m	?	Cmcm			69Mu
*	MgGa ₂ O ₄	?	770	cubic			85Ta
	Mg ₂ GeO ₄	Fd3m	1080	Pbnm			87Ros
-	Mg ₂ NiH ₄	ortho.	507	cubic			84Se
	Mg ₂ P ₂ O ₇	B2 ₁ /c	341	C2/m			65Ca
	MgSO ₄	Cmcm	?	Pnma			58Re; 62Co
	Mg ₃ Sb ₂	P3m1	1023			_ =	TA. 2
	MgS1F ₆ .6H ₂ O	P2 ₁ /c		RĪm	336	R3	89Hr
	MgSiO ₃	P2 ₁ /c	?	Pbca	1270	Pbcn	85Sc
	Mg ₂ TiO ₄	Fd3m		P4 ₁ 22			84We
	Mn	143m	1000	_	1367	Fm3m	
_		/	1408	Im3m			59Ro
*	MnAs	P6 ₃ /mmc	318	ortho.	398	P6 ₃ /mmc	82Su
	Mn ₃ B ₇ O ₁₃ Br	Pca2	548	F43c			84Ca
	Mn ₃ B ₇ O ₁₃ C1	Pca2		F43c			84Ca
	Mn ₃ B ₇ O ₁₃ I	Pca2	404	F43c			84Ca
	MnF ₂	P4 ₂ /mnm	970	cubic			79Ve

	MnNi	P4/mmm	973	Pm3m			89Vin
*	MnO	trig.	118	Fm3m			88ShF
	Mn ₂ 0 ₃	Pbca	302	Ia3			LB.7b1
	Mn ₃ O ₄	I4 ₁ /amd	1443	Fd3m			LB.7b1
	MnOOH	Pbnm	?	_			68G1
	MnPd	P4/mmm	?				78Pe
	MnRh	P4/mmm	?	Pm3m			78Pe
	MnS	trig.	162	Fm3m			90Ma
	MnSb ₂ O ₄	ortho.?	115	P4 ₂ /mbc			83Ga
	MnSiF ₆ . 6D ₂ 0	P2 ₁ /c	244	P3 2			91Che
	MnTiF ₆ .6H ₂ 0	tricl.	250	R3			88Ch
	Mo ₂ C	ortho.	1493	ortho.	1713	P3 ₁ 21	TA.3
	MoF ₆	Pnma	264	Im3m		•	LB.7a
	MoGe ₂	?	?	tetr.			81Ke
*	Mo ₄ 0 ₁₁ (γ)	?	100	ortho.			85Gu
	(η)	inc.	30	monocl.	109	monocl.	85Gu
	MoOPO ₄	P4/n	?	P2 ₁ /c			90Bar
	MoTe ₂	Pn2 ₁ m	253	P2 ₁ /m	?	6/mmm	
			?	hex.			79Ma
*	N_2	Pa3	36	P6 ₃ /mmc			t.9.1
	NC(CH ₂) ₂ CN	?	233	Im3m			90De
*	$[N(CD_3)_4]_2$ CuBr $_4$?	237	?	242	inc.	
			271	Pmcn			83Ges
	$[N(CD_3)_4]_2$ ZnCl ₄	?	275	inc.	284	inc.	
			298	Pmcn			83
	N(CH ₂ CH ₂) ₃ N	P6 ₃ /m	351	Fm3m			76Ni
	N(CH ₃) ₃ CH ₂ COO. (CH ₂		•	?	194	Pnma	90Sch
	N(CH ₃) ₃ CH ₂ COO. 1, 4-		-	?	140	P2 ₁ /c	90Sch
*	N(CH ₃) ₃ CH ₂ COO. CaC1	~ -	(BCCL				88Pe
		Piia	43	Pn2 ₁ a		1	. =.
	51	P2 ₁ 2 ₁ 2 ₁	75	P2 ₁ ca	116	P(Pnma)/(1	
		_	127	P(Pnma),	/(1S1)	164 Pnma	90Sch
	N(CH ₃) ₃ CH ₂ COO. D ₃ As	4	170	2	44.4	•	000-1
	אורט) רט רסס ה פס	f (DDD		?			90Sch
	N(CH ₃) ₃ CH ₂ COO. D ₃ PO	4					anesh
	א(רא) רא רחם א אם	O (D4)		Pc		? P12 /n1	90Sch
	N(CH ₃) ₃ CH ₂ COO. H ₃ As	4 (<i>BA</i>)	,	ru	119	P12 ₁ /n1	85Fr

	N(CH ₃) ₃ CH ₂ COO. H	,BO,			P2 ₁ /c	143	Pmcn	89Zo
	N(CH ₃) ₃ CH ₂ COO. H.	, ,			?	177	?	
	3'3 2	3 3	,,	216	P2 ₁ /c	355		90Sch
	и(сн ₃) ₃ сн ₂ соо. н	PO.	(BP)		?	81	?	
	3'3 2 3	34		86	P2 ₁ /c	365	P2 ₁ /m	85Fr;90Sch
	N(CH ₃) ₃ CH ₂ COO. H,	SO,			?	233	1 Pbca	90Sch
*	N(CH ₃) ₃ CH ₂ COO. H ₃	, ,	. H ₂ O		?	254	P2 ₁ /a	90Sch
	N(CH ₃) ₃ CH ₂ COO. KE	-	_		Pbmn	335	1 ?	90Sch
	$N(CH_3)_{A}Ca(N_3)_{3}$		z tetr.	296	tetr.			91Ma
	N(CH ₃) _A CdBr ₃		trig.	163	P6 ₃ /m	183	?	
	34 3		J	390	3 ?			90Ge; 90Va
	[N(CH ₃) ₄] ₂ CdBr ₄		P112 ₁ /a	273	Pnma			91Va
*	N(CH ₃) ₄ CdCl ₃		P2 ₁ /b	104	P2 ₁ /m	118	P6 ₃ /m	
	3'4 3		1	400	P6 ₃ /mmc		3	89Br
	[N(CH ₃) ₄] ₂ CdCl ₄		?	105	?	120	?	89Kah
	$[N(CH_3)_A]_2CdI_A$		Pbc2 ₁	240	Pmcn			88We
	$N(CH_3)_2Cd(N_3)_3$		monocl.	255	ortho.	313	cubic	91Ma
*	N(CH ₃) _A Cl		?	76	tetr.	185	P4/nmm	
	3 4			413	R3m	536	Fm3m	t.7.9
	N(CH ₃)4C104		?	232	?	256	P4/nmm	
	344			613	?			77Ts;91My
	$[N(CH_3)_4]_2^{COBr_4}$		P2 ₁ /c11	288	Pemn			84Has
*	[N(CH ₃) ₄] ₂ CoCl ₄	1	P2 ₁ 2 ₁ 2 ₁	122	P12,/c1	192	P112 ₁ /n	
	J . L 7		P(Pmcn)/		1	278	P2 ₁ cn	
	28	30	P(Pmcn)/	(sŧł)		293	Pmcn	85Fj; 91PrB
*	[N(CH ₃) ₄] ₂ CuBr ₄]	P12 ₁ /c1	238	Pbc2	242	P(Pmcn)/(s	1 1)
			-	272	Pmcn			89Lo; 89Mad
	N(CH ₃) ₄ CuCl ₃	•	?	195	P2 ₁	319	?	
				373	?			89V11
*	[N(CH ₃) ₄] ₂ CuCl ₄	•	?	127	P112 ₁ /n	263	P12 ₁ /c1	
	25	92	P(Pmcn)/	(ssī)		298	Pnam	85Re; 91PrB
	[N(CH ₃) ₄] ₂ FeBr ₄		Pmc2 ₁	340	?	414	tetr.?	89CzC
*	[N(CH ₃) ₄] ₂ FeCl ₄		P2 ₁ /c11	240	P112 ₁ /n	266	Pc2 _f n	
	- - -		•	267	P2 ₁ 2 ₁ 2 ₁	271	P(Pmcn)/(s	11)
				282	Pmcn			82Mat;89Kas
	$N(CH_3)_4(HCTMCP)$		tricl.	364	tricl.			84Ab
	N(CH ₃)4HSO4		P12 ₁ 1	202	Pn2 ₁ a(00 ₂	000(

			232	Pna2 ₁	396	?	90Sp
	[N(CH ₃) ₄] ₂ HgCl ₄	monocl.	280	Pmcn			89Ge
	N(CH ₃) ₄ MnBr ₃	monocl.	144	hex.			89Vi1
•	[N(CH ₃) ₄] ₂ MnBr ₄	P12 ₁ /c1	277	Pmcn			83Ge2; 91PrB
*	N(CH ₃) ₄ MnCl ₃	P2 ₁ /b	40	P2 ₁ /m	126	P6 ₃ /m	
		-	389	P6 ₃ /mmc		-	90Bra
*	[N(CH ₃) ₄] ₂ MnCl ₄	P2 ₁ 2 ₁ 2 ₁	90	P12 ₁ /c1	171	P112 ₁ /n	
	268	P2 ₁ /c11	291	P(Pmcn)/	((.)	292 Pmcn	89Mas; 90MaR
	$N(CH_3)_4NO_3$?	292	?	300	P4/nmm	88My
	$[N(CH_3)_4]_2$ NiCl ₄	P12 ₁ /c1	221	P2 ₁ /c11	275	P(Pmcn)/(s	s1Ī)
			284	Pmcn			90KaM; 91PrB
	N(CH ₃) ₄ SCN	?	240	?	455	?	89Tan
	[N(CH ₃) ₄] ₃ Sb ₂ Cl ₉	?	156	?	223	?	88JaS
	[N(CH ₃) ₄] ₂ SnCl ₆	tetr.	158	cubic			83Ta
	$[N(CH_3)_4]_2$ ZnBr ₄	P12 ₁ /c1	288	Pmcn			88As
*	[N(CH ₃) ₄] ₂ ZnCl ₄	P2 ₁ 2 ₁ 2 ₁	159	P12 ₁ /c1	171	P112 ₁ /n	
	277	P2 ₁ cn	281	P(Pmcn)	/(siī)	-	
	297	Pmcn					87Ma
*	$[N(CH_3)_4]_2$ ZnI ₄	Pbc2	210	P12 ₁ /c1	254	Pmcn	90PiL
	[N(CH ₃) ₄] ₂ ZrCl ₆	?	163	Fm3m			91Mo
	[N(C2H5)4]3Bi2Br9	?	245	?	265	P6 ₃ 22 ?	89Zal
	$[N(C_2H_5)_4]_2CdBr_4$?	150	?	185	?	
			196	?	230	?	89Kah
	$[N(C_2H_5)_4]_2CdC1_4$?	160	?	200	?	
			220	?	240	?	
	[N(C 11)] C D	•	250	?	264	?	89Kah
	[N(C ₂ H ₅) ₄] ₂ CoBr ₄	?	235	P4 ₂ /nmc			91Koh
	[N(C ₂ H ₅) ₄] ₂ CoCl ₄	?	227	Pnma ?			90KaS
	[N(C ₂ H ₅) ₄] ₂ CuBr ₄	?	260	P4 ₂ /nmc	2.50		91Koh
	[N(C ₂ H ₅) ₄] ₂ CuCl ₄	P2 ₁ /c	257	P4 ₂ /nmc	263	Pnma?	90KaS; 90Wi
	[N(C ₂ H ₅) ₄] ₂ FeI ₄	Pnnm I4	?	I4m2 F43m			86Sa
	N(C ₂ H ₅) ₄ LiHg(CN) ₄		242		205	D4 /	86Th
	[N(C ₂ H ₅) ₄] ₂ MnBr ₄ on cool.:	on heat.:		?	235	P4 ₂ /nmc	04%-1-
		?	257	?	261	2	91Koh
	[N(C ₂ H ₅) ₄] ₂ MnCl ₄	?	218	?	226	Pnma?	90KaS
	N(C ₂ H ₅) ₄ NaHg(CN) ₄	trig.	259	F43m			86Th
	[N(C ₂ H ₅) ₄] ₃ Sb ₂ Br ₉	?	256	P6 ₃ 22			89Zal;91MiJ

	N(C ₂ H ₅) ₄ SbF ₆	monocl.	272	Fm3m			81Be
	$[N(C_2H_5)_4]_2$ ZnBr $_4$?	230	P4 ₂ /nmc			91Koh
	[N(C ₂ H ₅) ₄] ₂ ZnCl ₄	?	229	?	258	?	
			265	Pnma?			90KaS
	$N(C_3H_7)_4KHg(CN)_4$	14	440	F43m			86Th
	$N(C_3H_7)_4$ NaHg(CN)_4	14	438	F43m			86Th
	[N(C4H9)4]3Mo(CN)8	tetr.	260	tetr.	294	P4/nnc	88Cz
	$[N(C_4^{H_9})_4]_3^{W(CN)}_8$?	280	?	340	tetr.	88Cz
	N(C ₅ H ₁₁) ₄ SCN	?	315	?			t.7.9
	NC9H13SO3	Pnc2	335	Pbma	385	P4/nmm	90ShD
	ND ₄ Br	P43m	167	P4/nmm	215	Pm3m	
			391	Fm3m			LB. 7a
*	(ND ₃ CD ₃) ₂ MnC1 ₄	P12 ₁ /a1	?	P4 ₂ /ncm	?	Bmab	
	·	_	>300	I4/mmn			90Co
	(ND ₃ CD ₃) ₂ SnC1 ₆	кā	155	RЗm			89Da
	ND ₃ CH ₃ NO ₃	?	245	Pmcn	355	?	87My
	ND ₄ C1	P43m	250	Pm3m	422	Fm3m	LB. 7a
	ND ₄ D ₂ AsO ₄	P2 ₁ 2 ₁ 2 ₁	299	1 4 2d			t.7.14
	ND ₄ I	P4/nmm	224	Pm3m	254	Fm3m	t.7.3
	ND ₄ PF ₆	?	133	?	194	?	t.7.13
	(ND ₄) ₂ TeCl ₆	?	28	?	50	R3	
			85	Fm3m			91Bo
*	(NHCH3CH2COOH)3CaC	TSCC)	Pn2 ₁ a	131	Pnma	85RoS
	NH(CH ₃) ₃ CdCl ₃	P2 ₁ /m	335	P6 ₃ /m			83Fu
	or:	Pbnm	340	Pbnm	372	P6 ₃ /m	
			413	?		J	85KaS
	NH(CH ₃) ₃ C1	monocl.	308	P2 ₁ /m			t.7.9
	NH(CH ₃) ₃ NO ₃	P2 ₁ /c	359	?	407	?	88My2
	[NH(CH ₃) ₃] ₃ Sb ₂ Cl ₉	?	203	Pc	364	?	
			367	P2/c			87To
	[NH(CH ₃) ₃] ₄ ZnCl ₄	Pna2 ₁	353	?			90Wi
	(NHC ₅ H ₅)Ag ₅ I ₆	?	180	?	230	P6 ₃ /mcc	t.6.1;
			320	?		J	77Hi;79Co
	NHC5H5BF4	monocl.	202	?	229	Rām	89Wa
	NHC5H5Br	monocl.	270	R3m			89Wa
	NHC5H5I	monocl.	247	RĪm			89Wa
	(NHC ₅ H ₅)ICl ₂	?	282	R3m	373	?	89WaA

	(NHC ₅ H ₅) ₂ PbCl ₆	P1	320	B2/m			87BaW
	(NHC ₅ H ₅) ₂ PtCl ₆	Pī	291	B2/m			87BaW
	(NHC ₅ H ₅) ₂ SnBr ₆	P1	285	B2/m			89Ta
	(NHC ₅ H ₅) ₂ SnCl ₆	?	287	P1	320	B2/m	87BaW
	(NHC_H ₅) ₂ TeCl ₆	Pī ?	272	B2/m			87BaW
*	NH2CH2COOH. AgNO3	?	218	P2 ₁ /a			LB. 16b
*	(NH2CH2COOH)3.H2Bel	F ₄		P2 ₁	348	P2 ₁ /m	LB. 16b
	(NH2CH2COOH)2. HNO3	_		Pa	206	P2 ₁ /a	LB. 16b
*	(NH2CH2COOH)3.H2SO	4		?	40	?	
			80	P2 ₁	332	P2 ₁ /m	LB. 16b
*	(NH2CH2COOH)3.H2Set	O ₄		P2 ₁	295	P2 ₁ /m	LB. 16b
	NH2(CH3)2A1(SO4)2.	6H ₂ O		m	150	P2 ₁ /b	89Ki
	[NH ₂ (CH ₃) ₂] ₃ Bi ₂ I ₉	?	173	ortho.	303	hex.?	90ToW
	[NH ₂ (CH ₃) ₂] ₂ CdCl ₄	?	131	Pmna			86Bob
	[NH ₂ (CH ₃) ₂] ₅ Cd ₃ Cl ₁	1		?	127	?	
			180	?	260	Cmcm	89CzD
	NH ₂ (CH ₃) ₂ C1	?	260	ortho.	313	hex.?	t.7.9
	[NH ₂ (CH ₃) ₂] ₂ CoCl ₄	P2 ₁ /n	235	P2 ₁ /n	310	?	90Wi
	[NH ₂ (CH ₃) ₂] ₂ CuCl ₄	?	253	?	279	?	86Bob
	[NH ₂ (CH ₃) ₂] ₂ HgBr ₄	P2 ₁ /n	274	?	333	?	90PaB
	NH ₂ (CH ₃) ₂ NO ₃	P2 ₁ /m	297	?			88My1
	[NH ₂ (CH ₃) ₂] ₃ Sb ₂ Br ₉	?	164	?	228	P2 ₁ /a	89EcM
	[NH ₂ (CH ₃) ₂] ₃ Sb ₂ Cl ₉	?	242	P2 ₁ /a			86Ja1
	[NH ₂ (CH ₃) ₂] ₂ SnBr ₆	?	253	Pnnm			83Di
	[NH ₂ (CH ₃) ₂] ₂ SnCl ₆	?	100	Pnnm			85HoI
	[NH ₂ (CH ₃) ₂] ₂ TeCl ₆	?	98	?	169	Pnnm	85HoI
	[NH ₂ (CH ₃) ₂] ₂ ZnCl ₄	?	201	?	250	?	
			272	P2 ₁ /n	310	?	8901e
	[NH ₂ (C ₂ H ₅) ₂] ₂ CuCl ₂	1		monocl.	329	monocl.	81Bl
	[NH ₂ (C ₂ H ₅) ₂] ₂ ZnCl	1		Pn	333	P2 ₁ nm	81Bl
	NH3(CH2)5NH3CdCl4	Pnma	337	Imma	407	monocl.	87Ne
	NH3CH3A1C14			?	100	14	89PaV
	NH3CH3A1(SO4)2.12	_		Pca2	177	Pa3	87G1
	* NH ₃ CH ₃ Al(SeO ₄) ₂ .1			?	217		78Kr
1	(NH3CH3)3Bi2Br9	?	102		140	?	
			188				89Koz
	(NH ₃ CH ₃) ₅ Bi ₂ Br ₁₁	Piic	77	Pca2	312	Pemn	89Mr

	(NH ₃ CH ₃) ₃ Bi ₂ Cl ₉	Pmcn	385	?			88JaT
	(NH ₃ CH ₃) ₅ Bi ₂ Cl ₁₁	?	170	Pca2	308	Pcab	89JaL; 91LeC
	NH ₃ CH ₃ Br	?	282	•	387	?	80Is;81Ra
	after rap	id cooling	r:				•
		?	196	?	282	etc.	
	NH3CH3CdBr3	C222 ₁	171	P6 ₃ mc ?			81Ba
	$(NH_3CH_3)_2CdBr_4$?	167	?	400	?	81Ra
*	$(NH_3CH_3)_2CdC1_4$	P2 ₁ /a	173	P4 ₂ /ncm	283	Cmca	
			484	I4/mmm			89Pr
	NH3CH3C1	?	220	?	264	P4/nmm	81Ra
	$NH_3CH_3Cr(SO_4)_2.12H$	20		Pca2			LB.16b
	(NH3CH3)2CuCl4	monocl.	>200	P2 ₁ /c	348	tetr.	89Jah
	(NH ₃ CH ₃) ₂ FeCl ₄	P2 ₁ /a	96	P4 ₂ /ncm	233	Cmca	
			334	I 4/mmm			85Yo
	$NH_3CH_3Fe(SO_4)_2$. 12H	20		?	169	cubic	LB. 16b
	$\mathrm{NH_{3}CH_{3}Ga(SO_{4})_{2}}$. 12H	20		?	171	cubic	LB. 16b
	NH3CH3HgBr3	?	127	?	184	?	
			243	Cmcm	338		90Te0
	NH3CH3HgCl3	?	28	ΡĪ	120	P3 ₂	
			333	C2			90PaF
	NH3CH3HgI3	P2 ₁ /n	328	?			90Te0
	NH3CH3I	?	167	P4/nmm	414	Pm3m	82Is
	$\mathrm{NH_3CH_3In(SO_4)_2}$. 12H	20		?	164	cubic	LB. 16b
	$(NH_3CH_3)_2MnBr_4$?	263	?	385	?	
			428	?			81Ra
*	$(NH_3CH_3)_2MnC1_4$	P2 ₁ /a	92	P4 ₂ ncm	257	Abma	
			398	I4/mmm			77Co
	NH3(CH3)3NH3SnCl6			?	287	Pnma	90BoW
	$NH_3CH_3Na(SO_4)_2.6H_2$	0		?	139	6mm	89Mi1
	$\mathrm{NH_{3}CH_{3}Na(SeO_{4})_{2}}$. 6H	20		?	137	6mm	89Mi2
	NH3CH3PbBr3	Pna2 ₁	149	P4/mmm	154	I4/mcm	
			236	cubic			89Fur;900n
	NH3CH3bc13	P222 ₁	171	P4/mmm	177	Pm3m	89Fur
	(NH ₃ CH ₃) ₂ PbCl ₆	trig.?	163	R3m			79Ku
	NH3CH3PbI3	Pna2 ₁	162	I4/mcm	327	Pm3m	900n
	(NH ₃ CH ₃) ₂ PdBr ₆	trig.?	108	Rām			79Ku
	(NH ₃ CH ₃) ₂ PdC1 ₆	trig.?	112	RĪm			79Ku
	3 3 2 0						

	(NH3CH3)2PtBr6	trig.?	118	R3m			79Ku
	(NH3CH3)2PtC16	trig.?	125	R 3m			79Ku
	(NH ₃ CH ₃) ₂ PtI ₆	trig.?	132	Rām			79Ku
*	(NH3CH3)3Sb2Br9	?	131	?	168	P3m1	88Ja1
	(NH3CH3)3Sb2Cl9	?	208	Pmcn ?			86Ja2
	(NH ₃ CH ₃) ₃ Sb ₂ I ₉	?	111	?	147	P6 ₃ /mmc	90ZaJ
	(NH ₃ CH ₃) ₂ SeBr ₆	trig.?	111	Rām			79Ku
	(NH ₃ CH ₃) ₂ SeC1 ₆	trig.?	103	R3m			79Ku
	(NH3CH3)2SnBr6	trig.?	149	R3m			79Ku
	(NH ₃ CH ₃) ₂ SnCl ₆	trig.?	156	R3m			79Ku
	NH3CH3SnI3	cubic	425	?			90Ya
	NH3CH3TeBr6	?	129	?	164	?	
			289	cubic			860n
	NH ₃ CH ₃ TeCl ₆	R3m	137	?	235	P3m1	
			439	cubic			81Fu; 860n
	NH3CH3TeI6	?	66	?	116	cubic	860n
	NH3CH3V(SO4)2.12H2	0		?	157	cubic	LB. 16b
	(NH ₃ CH ₃) ₂ ZnCl ₄	P2 ₁ /a	426	Pnma	484	?	81PeM
	NH ₃ C ₂ H ₅ Br	?	236	P2 ₁ /m	363	?	81Ra
	(NH ₃ C ₂ H ₅) ₂ CdC1 ₄	monocl.	113	Pcab	216	Bmab	81Ra
	NH3C2H5C1	?	221	P2 ₁ /m	345	?	81Ra
*	(NH ₃ C ₂ H ₅) ₂ CuCl ₄	Pbca	356	P2 ₁ /c	364	Bbcm	89Jah
	$(NH_3C_2H_5)_2FeCl_4$	P2 ₁ /a	134	Pbca	204	Cmca	
			379	I4/mmm			85Yo
	NH3C2H5I	monocl.	328	?			58Je
	(NH ₃ C ₂ H ₅) ₂ MnBr ₄	?	364	?			81Ra
	(NH ₃ C ₂ H ₅) ₂ MnCl ₄	Pbca	225	Abma	424	I4/mmm	81Ra
	(NH ₃ C ₂ H ₅) ₂ SnCl ₆	monocl.	128	P3m1			83Ta
	(NH ₃ C ₂ H ₅) ₂ TeCl ₆	?	204	P3m1			90BoW
	(NH ₃ C ₃ H ₇) ₂ CdCl ₄	monocl.	110	Pbca	158	P(Abma)/(s	(i) 91RiK;
			180	Abma	535	tetr.	88Do; 89Kus
	NH ₃ C ₃ H ₇ C1	B2/m	188	P4/nmm			90PrB
	$(NH_3C_3H_7)_2CuCl_4$?	132	?	180	Pbca	
			378	Pbca(ss0)(a 00)	
			423	Pbca	436	Bbcm	88Et;89Jah
*	$(NH_3C_3H_7)_2MnC1_4$	Pbca ?	110	P(Abma),	/(s11)	1	
			165	Abma	340	Abma	70D 00T
			388	Abma	441	I 4/mmm	79De;88Et

(NH ₃ C ₃ H ₇) ₂ PbCl ₄	Pnma	339	P2 ₁ /c			89Zan
(NH ₃ C ₃ H ₇) ₂ ZnC1 ₄	P2 ₁ /m	310	Pmna.			82Zn
(NH ₃ C ₄ H ₉) ₂ MnCl ₄	Abma	382	?			79De
 (NH ₃ C ₄ H ₉) ₂ PbI ₄	Pbc2 ₁ ?	250	Pbca			901sT
NH3C5H11C1	?	221	?	246	?	t.7.9
(NH ₃ C ₅ H ₁₁) ₂ MnCl ₄	Abma	382	?			79De
(NH ₃ C ₅ H ₁₁) ₂ ZnCl ₄	?	141	?	148	P2 ₁ 2 ₁ 2 ₁	
		250	Pnma	349	?	84Go2
NH3C6H5Br	P2 ₁ /a	300	Pnaa			81Fe
(NH ₃ C ₆ H ₁₃) ₂ MnCl ₄	Abma ?	375	?			79De
(NH ₃ C ₇ H ₁₅) ₂ CdCl ₄	?	250	?	317	?	84Wh
(NH ₃ C ₇ H ₁₅) ₂ MnCl ₄	?	248	?	314	?	83Wh
(NH ₃ C ₈ H ₁₇) ₂ CdCl ₄	?	268	?	307	?	84Wh
(NH ₃ C ₈ H ₁₇) ₂ MnCl ₄	Abma ?	360	?			79De
(NH ₃ C ₈ H ₁₇) ₂ PbI ₄	Pbc2 ₁ ?	235	Pbca			90IsT
(NH ₃ C ₉ H ₁₉) ₂ MnCl ₄	Abma ?	356	?			79De
(NH ₃ C ₉ H ₁₉) ₂ PbI ₄	Pbc2 ₁	240	Pbca			90IsT
(NH ₃ C ₁₀ H ₂₁) ₂ CdCl ₄	P2 ₁ /n	303	Pmnn	313	Amaa	79Ki
NH ₃ C ₁₀ H ₂₁ C1	P2 ₁	312	ortho.	314	?	
0 10 21	-	316	P4/nmm			
and:	tricl.	302	ortho.			89Sch
(NH ₃ C ₁₀ H ₂₁) ₂ MnCl ₄	P2 ₁ /a	308	?			84Wh
(NH ₃ C ₁₀ H ₂₁) ₂ PbI ₄	Pbc2 ₁ ?	261	?	275	Pbca	91Xu
0 10 21 2	•	338	?			891s; 901sT
(NH ₃ C ₁₂ H ₂₅) ₂ CdCl ₄	P2 ₁ /n	326	ortho.	330	Amca	
	-	345	tetr.			85Cha
(NH ₃ C ₁₂ H ₂₅) ₂ CuCl ₄	?	330	?	338	?	76Sal
(NH ₃ C ₁₂ H ₂₅) ₂ MnCl ₄	?	332	?	336	?	76Sal
(NH ₃ C ₁₂ H ₂₅) ₂ PbI ₄	Pbc2 ₁	310	Pbca			90IsT
(NH ₃ C ₁₄ H ₂₉) ₂ CdCl ₄	?	345	?	351	?	84Wh
(NH ₃ C ₁₄ H ₂₉) ₂ CuCl ₄	?	334	?	356	?	76Sal
(NH ₃ C ₁₄ H ₂₉) ₂ MnCl ₄		345	?	357	?	76Sal
(NH ₃ C ₁₆ H ₃₃) ₂ CdCl ₄		345	ortho.	352	ortho.	
0 10 00 2 4	-	356	tetr.			89Cha
(NH ₃ C ₁₈ H ₃₇) ₂ CdCl ₄	monocl.	350	?	356	?	
		360	?	366	ortho.?	84Wh
NH4Ag4I5	?	>110	?			87Ak

	NH _A A1F _A	P4 ₂ /mbc	150	I4/mcm			89Bu
	(NH ₄) ₃ AlF ₆	P2 ₁ /n	224	Fm3m			LB. 7a
	or:	tricl.	224	Fm3m			86Tr
	NH ₄ AuCl ₄	?	29	?			90Is
*	NH _A BF _A	Pnma	83	Pnma	462	Fm3m	
	• •		>733	cubic?			LB. 7a
	NH ₄ BeF ₃	P1 ?	>245	Pn	344	P2 ₁ 2 ₁ 2 ₁	
			347	Pmnb	536	ortho.	83Łu
*	(NH ₄) ₂ BeF ₄	P2 ₁ cn	177	P(P112 ₁)/	(HI)		
			183	Pcmn			LB. 16b
*	NH ₄ Br	P43m	107	P4/nmm	235	Pm3m	
			411	Fm3m			t.7.3
	NH4CH3A1C14	?	100	14			85Cz
	$(NH_4)_2C_4H_4O_6.H_2O$	P2 ₁	335	?	365	?	91
	NH ₄ CN	P4/mmm	?	Pm3m	Pm3m		79Sa
	NH ₄ CdF ₃	Pnma	331	Pm3m			90Ba1
	$(NH_4)_2Cd_2(SO_4)_3$	P2 ₁	90	P2 ₁ 3			LB. 16b
	$^{\rm NH_4Ce}({\rm SO_4})_2.4{\rm H_2O}$?	149	?	163	?	
			251	P2 ₁ /c			80Ma;90Mi
*	NH ₄ C1	P43m	242	Pm3m	458	Fm3m	t.7.3
*	NH ₄ C1O ₄	Pna2 ₁ ?	511	Fm3m			t.7.3
*	(NH ₄) ₂ CoCl ₄	Pc2 ₁ n	150	P2 ₁ cn	323	Pcnn	84Bro
	NH ₄ CoF ₃	P4bm ?	?	Pm3m			89PaB
	(NH ₄) ₃ CrF ₆	?	140	tricl.	270	Fm3m	86Tr
	$NH_4Cr(SO_4)_2$. 12 H_2O	?	85	Pa3			91Su
	(NH ₄) ₂ CuCl ₄ . 2H ₂ O	P42 ₁ m	?	P4 ₂ /mnm			89Hem
	NH ₄ D ₂ PO ₄	P2 ₁ 2 ₁ 2 ₁	238	I 42d			LB. 16b
	(NH ₄) ₃ FeF ₆	?	267	P4/mnc	54 0	Fm3m	LB. 7a
	or:			tricl.	540	Fm3m	86Tr
	$NH_4Fe(SO_4)_2$. $12H_2O$?	88	cubic			LB. 16b
	(NH ₄) ₃ GaF ₆	tricl.	246	Fm3m			86Tr
	NH4H2AsO4	P2 ₁ 2 ₁ 2 ₁	216	142d			LB. 16b
		P2 ₁ /n	145				89Fu
	NH ₄ H(C1CH ₂ COO) ₂	Cc	120				91BaI
,	(NH ₄) ₂ H ₃ IO ₆	R3 ?	>246				t.7.14
*	NH ₄ H ₂ PO ₄	P2 ₁ 2 ₁ 2 ₁	148				LB. 16b
	NH ₄ HSO ₄	P1	154	Pc	270	P2 ₁ /c	LB. 16b

*	(NH _A) ₃ H(SO _A) ₂	?	23	?	78	?	
	43 42		133	?	136	monocl.	
			265	A2/a	413	RĪm	80Ge
	$NH_{\Delta}HSeO_{\Delta}$?	110	P1	250	P2 ₁ 2 ₁ 2 ₁ (inc	.)
			262	B2	416	P2 ₁ /b	89A1
*	(NH ₄) ₃ H(SeO ₄) ₂	monocl.	181	monocl.	275	A2/a	
	40 42		302	RЗm	328	trig.	840s;91
	or:		279	?	305	A2/a	
			332	R3m			90Ze
*	NH ₄ I	P4/nmm	231	Pm3m	257	Fm3m	LB.7a
	N2H7I	?	143	ortho.	203	P4/mmm	
			230	Pm3m			90Lu2
	N ₂ D ₇ I	?	147	ortho.	237	Pm3m	90Lu2
	NH ₄ IO ₃	?	103	Pc2 ₁ n	355	ortho.	
			388	cubic			LB. 16b
*	NH ₄ 10 ₃ . 2H10 ₃	ΡĪ	213	P1			90BaB
	(NH ₄) ₃ InF ₆	P4/mnc	355	Fm3m			LB.7a
	$(NH_4)_3In(SO_4)_3$	2/m	?	3	?	3m	
			?	Зm			86Dr
	$NH_4In(SO_4)_2.12H_2O$?	127	cubic			LB.16b
	$(NH_4)_4L1H_3(SO_4)_4$	P2 ₁	232	P4 ₁	?	?	91Pi
	$(NH_4)_4LiH_3(SeO_4)_4$	P2 ₁	267	P4 ₁	?	?	91Pi
	NH ₄ MgF ₃	P4bm ?	108	Pm3m			89PaB
	NH ₄ MnCl ₃	Pbnm	110	P4bm	258	Pm3m	LB. 7a
	NH ₄ MnF ₃	P4bm	182	Pm3m			90Fa
*	NH ₄ NO ₃	P4 ₂	256	Pmmn	305	Pbmn	
			357	P4bm	399	cubic	
	and:	P4 ₂	315	?	318	P4bm	
	and:	Pmmn	324	P4bm	• • •		t.7.8
	$NH_4Nd(SO_4)_2.4H_2O$	P2 ₁ /c	?	tetr.			90Mi
	NH ₄ PF ₆	?		?	192	cubic	t.7.6
	NH ₄ PF ₆ . NH ₄ F	ortho.	172	ortho.	228	C4/nmm	LB. 16b
	(NH ₄) ₂ PbCl ₆	R3	80	Fm3m			89Di;91Bo
	(NH ₄) ₂ PdCl ₄	P42m		P4/mmm			91VaH
	NH ₄ Pr(SO ₄) ₂ . 4H ₂ O	?	266		296	P2 ₁ /c	90Mi
	(NH ₄) ₂ PtI ₆	P2 ₁ /n ?			172		84IhA
	NH ₄ SCN	P2 ₁ /c	359	Pbcm	390	I4/mcm	90Ham

	NH ₄ SO ₄	?	154	?	270	P2 ₁ /c	t.7.6
*	(NH ₄) ₂ SO ₄	Pna2 ₁	223	Pnam		•	LB.16.b
	(NH ₄) ₂ S ₂ O ₃	C1	80	C2	402	ortho.	84TeF
	(NH ₄) ₂ SbBr ₆	?	212	?	236	I4 ₁ amd	t.7.13
	(NH ₄) ₂ SbF ₅	P1(P1)	138	monocl.	165	monocl.	
			257	Cc ?	294	Cmcm	89WaC
	$(NH_4)_6Sb_4(SO_4)_3F_{12}$?	95	Р3			88Wa
	(NH ₄) ₃ ScF ₆	P4/mnc	320	Fm3m			91Ch
	or:	P2 ₁ /n	291	tetr.	330	cubic	86Tr
	(NH ₄) ₂ Se ₂ O ₅	P2 ₁ 2 ₁ 2 ₁	312	P2 ₁ 2 ₁ 2 ₁			90MaM
	(NH ₄) ₂ SeO ₄	C2/m	?	hex.			62Ga
	(NH ₄) ₂ SiF ₆	?	39	P3m1	278	Fm3m	LB.7a; t.7.6
	$NH_4Sm(SO_4)_2.4H_2O$?	?	P2 ₁ /c			90Mi
	(NH ₄) ₂ SnBr ₆	?	145	?			t.7.6
	NH ₄ SnI ₃	?	416	?			90Ya
	(NH ₄) ₂ TeBr ₆	P4/mnc	221	Fm3m			84AbI
	(NH ₄) ₂ TeCl ₆	R3	85	Fm3m			89Di;91Bo
	(NH ₄) ₂ VF ₆	tricl.	280	Fm3m			86Tr
	$NH_4V(SO_4)_2.12H_2O$?	116	cubic			LB. 16b
	(NH ₄) ₂ ZnBr ₄	Pc2 ₁ n	216	P2 ₁ cn	395	inc.	
			432	Pcmn			83Sa
	$(NH_4)_2$ ZnCl ₄ [A]	P2 ₁ an	266	inc.	271	Pman	
			406	Pman			90KoP
	[B]	Pc2 _i n	266	?	269	?	
			271	Pici	319	P2 ₁ cn	
			364	ortho.	406	Pcmn	84Man
*	NH ₄ ZnF ₃	P4bn ?	115	Pm3m			89PaB
	(NH ₄) ₂ ZrF ₆	ortho.	318	hex.			90Pu
	N2H5A1(SO4)2.12H2O	?	163	Pa3			900s
	N2H6SO4	?	233	P2 ₁ 2 ₁ 2 ₁			89Su
	NOASF ₆	?	275	cubic			82Gr
	(NO) ₂ TiCl ₆	Pn	203	P4/mnc			90He
*	Na	P6 ₃ /mmc		cubic			89Va
	NaAgMoO ₄	Fd3m	728	Pbn2	796	?	
			807	?			88Ru
*	Na ₃ AlF ₆	P2 ₁ /n	834	Fm3m			75Pi

	Na ₅ Al ₃ F ₁₄	P2 ₁ /n	150	P4/mnc			88Go
	Na3AlH6	?	453	P2 ₁ /n	525	cubic	89Bur
	$NaAl(MoO_4)_2$	Pĩ	703	C2/c			780t
	NaAlO ₂	RЭm	?	Pn2 ₁ a	?	P4 ₁ 2 ₁ 2	74We; 78Zv
	Na8(A16Si6024)(OH)	2.6H ₂ 0		?	153	P43n	731v
	Nag(AISIO4)6(NO3)2	_		?	?	?	90Bul
	NaAsF ₆	R3	328	?			t.7.13
	Na ₃ AsO ₄	Pmn2 ₁	625	Pmna	683	cubic	
	on cooling:	Pmn2	570	cubic			71Pa
*	$NaBF_4$	Cmcm	525	trig.			80Am
	NaBH ₄	I4m2	190	Fm3m			t.7.11
	Na ₂ BeF ₄	Pnma	448		599	P3m1	
	and:	Pnma	326	P2 ₁ /n	366	Pnma	LB. 7a
	Na ₃ BeF ₅	C1	397	?	509	?	22.74
	3 5		534	?	?	R3m	LB.7a
	Na ₃ Bi(PO ₄) ₂	Cm2a	848	Pna2 ₁	1093	P3m1	
	3 42		1178	P3m1			88Di
*	NaCN	Pmmn	180		280	Fmcm	85E1
	Na ₂ CO ₃	P2/c	120	P(C2/m))/(<u>Ī</u> s)		
	2 3	-	620	C2/m	763	P6 ₃ /mmc	79Pa;84Me
	NaCaAsO _A	Cmcm	?	?		3	PDF
	NaCa ₂ Cu ₂ V ₃ O ₁₂	I4 ₁ /acd	?	Ia3d			79Sa
	NaCaPO _A	Pnam	530	?			PDF
	Na ₂ Cd(SO ₄) ₂	?	739	?	833	?	PDF
*	NaClO _A	Cmcm	581	Fm3m			t.7.11
	Na ₃ CrF ₆	monocl.	923	?			69Ko
*	Na ₂ CrO ₄	Cmcm	694	P6 ₃ mc /	P3m1 ?.	/	81Ni
	Na ₃ Cr ₂ (PO ₄) ₃	P2 ₁ /n	348	monocl.	411	trig.	
	3 2 4 3	1	439	?			85Va
	NaD ₃ (SeO ₃) ₂	Pm	270	P2 ₁ /n			t.7.14
	NaDyF ₄	P6	?	Fm3m			LB. 7a
	Na ₃ Eu(C ₄ H ₄ O ₅) ₃ . 2Na(C10 ₄ . 6H ₂ C)	P3 ₁ 21	?	R32	81Ban
	NaEuF ₄	P6		Fm3m			LB. 7a
	•	P2 ₁ /n					LB. 7a
	Na ₅ Fe ₃ F ₁₄	A2/m		P4 ₂ 2 ₁ 2			LB. 7a
	NaFe(MoO ₄) ₂	C2/c					86Fo
	NaFeO ₂	R3m		Pn2 ₁ a	1273	P4 2 2	90GrH
	2		-000	1"1"	2210	1111	2001 II

	NaFeP ₂ O ₇	monocl.	1023	P2 /c			82Gab
	$Na_3Fe_2(PO_4)_3$	monocl.		trig.	418	?	84Tk
	Na ₃ GaF ₆		878	?	410	•	LB. 7a
		P2 ₁ /n R3					
	Na ₃ GdCl ₆	к5 Рб		P2 ₁ /n			86Me
	NaGdF ₄		?	Fm3m	500		LB.7a
	NaHCOO on hea		_	monocl.	500	?	
	on cooling:	monocl.	?	?	?	?	91He
	$(Na_2.4H_2O)B_{12}H_{12}$	P4 ₂ 2 ₁ 2		_			89Pon
	NaHS	?	113	trig.	358	Fm3m	39Te; 70A1
	NaHSe	trig.	>290	cubic			70A1
	$NaH_3(SeO_3)_2$	1	111	P1	195	P2 ₁ /n	84So
	Na5Ho9F32	Cmmm	1040	Fm3m			LB.7a
	NagInF6	P2/m	978	Fm3n			75Pi
	NH ₃ In ₂ (PO ₄) ₃	C2	328	?	503	?	91Si
*	~ ~ ~			P2 ₁		P2 ₁ 2 ₁ 2	LB. 16b
*	${}^{\text{NaKC}_4\text{H}_2\text{D}_2\text{O}_6.4\text{D}_2\text{O}}$ ${}^{\text{NaKC}_4\text{H}_4\text{O}_6.4\text{H}_2\text{O}}$	P2 ₁ 2 ₁ 2	255	P2 ₁		P2 ₁ 2 ₁ 2	LB. 16b
	NaK ₃ (CrO ₄) ₂	2/m	239	₁ 3m	251	1-1-	89Kr
	Na ₂ LiAlF ₆	monocl.		cubic			LB. 7a
	-				(120	R32	81ScB
	Na ₃ Ln(C ₄ H ₄ O ₅) ₃ . 2Na			=			
*	NaMgF ₃	Pbnm	1033	tetr.		Pm3m	LB. 7a
-	Na ₂ MoO ₄	Fd3m	734	Pbn2 ₁	866	Fddd	75D.
	No Moo F	D0	915	P6 ₃ /mmc		5 0	75Bo
	Na ₃ MoO ₃ F ₃	P2 ₁	403	P2 ₁	803	Fm3m	86Ch
	NaN ₃	C2/m	293	R3m			84Ag
	NaNH ₄ C ₄ H ₄ O ₆ . 4H ₂ O	P2 ₁	109	P2 ₁ 2 ₁ 2			LB. 16b
	$NaNH_4SO_4.2H_2O$	P2 ₁		P2 ₁ 2 ₁ 2 ₁			LB. 16b
	NaNH ₄ SeO ₄ . 2H ₂ O	P2 ₁		P2 ₁ 2 ₁ 2 ₁			LB. 16b
*	NaN ₃ I	monocl.	<300	trig.?			76Pi
	NaNO ₂	?	178	Im2m	437	P(12mm)/(ss1)
			438	Immm			LB. 16b; 85Kuc
*	NaNO ₃	R3c	548	R3m			t.7.2
	Na3NO3	P42 ₁ m	150	I4cm	220	Pm3m	86Kr
	NaNbCl ₆	tetr.	518	?	572	?	78Sa
	NaNbO3	R3c	73	Pbma	638	Pmnm	
			753	Primm	793	Cemm	
			845	P4/mbm	916	Pm3m	LB. 16a
	Na ₁₃ Nb ₃₅ 0 ₉₄	Pba2	320	?			89Ab

	NaNdF ₄	P - 6	?	Fm3m			LB. 7a
	NaO ₂	?	?		?	Pa3	20.14
	2			Pa3	•		81Ke
	Na ₂ 0 ₂	P - 62m		tetr.?			81Ke
*	NaOH	Bmmb		P2 ₁ /m			LB. 7b1
	NaPF ₆	?	228	_*	286	Fm3m	t.7.13
	Na ₃ PO ₄	P42 ₁ c		cubic			88Di
	NaPmF ₄	P6 1	?	Fm3m			LB. 7a
	Na ₃ Pr(C ₄ H ₄ O ₅) ₃ . 2Na	C10,.6H20	1	P3 ₁ 21	<300	R32	80ScB
	NaPrF _A	P6 2	1083	-			LB. 7a
	Na ₂ PtO ₃	ortho.?	?	monocl.?			88St
	NaS	P62m	>300	P6 ₃ /mmc			81Ke
	NaSH - see: NaHS			3			
*	Na ₂ SO ₄	Fddd	480	Cmcm	521	hex.	
			843	?			77Am
	NaSbF ₆	?	233	Fm3m			56Te
	Na ₃ ScF ₆	P2 ₁ /n	953	Fm3m			75Pi;91Ch
	NaSc(MoO ₄) ₂	?	763				70Bal
	Na ₃ Sc ₂ (PO ₄) ₃ -alpha	Bb	323		420	R3c	88Co1
*	Na ₂ SeO ₄	Fddd	579	hex.			67Pi1
	NaSmF ₄	P6 ₃ /m	?	Fm3m			LB. 7a
	NaSn ₂ (PO ₄) ₂	trig.	848	trig.			91Ro
	NaTaCl ₆	?	498	?			78Sa
	NaTaO ₃	Pc2 ₁ n	753	ortho.	823	tetr.	
			903	cubic			LB. 16a
	NaTbF ₄	P - 6	?	Fm3m			LB. 7a
	Na ₃ TiF ₆	P2 ₁ /n	884	Fm3m			75Pi
	$^{\text{Na}}5^{\text{Ti}}3^{\text{O}}3^{\text{F}}11$?	120	?	260	monocl.	
			770	tetr.			87Gr
	Na ₄ TiP ₂ O ₉	P2/c	538	Ibam			90K1
	$NaTlF_4$	P3 ₁ 12	?	Fm3m			LB.7a
	Na ₃ T1F ₆	P2 ₁ /n	893	Fm3m			75Pi
	Na ₄ UO ₂ (SO ₄) ₃	?	598	?			88Gu
	Na ₃ VF ₆	P2 ₁ /n	912	Fm3m			75Pi
	NaVO ₃	Cc	653	C2/c			90Sha
	Na ₂ WO ₄	Fd3m	861	Pbn2	863		75Bo
	Na ₅ W ₃ O ₉ F ₁₅	?	190	monocl.	530	ortho.	

		800	cubic			79Ra
Na ₅ WTi ₂ O ₅ F ₉	monocl.	562	tetr.			87Gr
Na3Y(C4H4O5)3. 2NaC	10 ₄ . 6H ₂ 0		P3 ₁ 21	?	R32	83Ban
NaYF _A	?	943	?	964	P6 ₃ /m	
•		978	Fm3m		3	LB.7a
NaZnF ₃	Pnma	953	?			90Wal
Nb ₃ A1	P4 ₂ /mmc	?	Pm3n			79Sa
NbO ₂	I4 ₁ /a	1068	P4 ₂ /mnm			LB. 7b1
Nb ₂ 0 ₅	?	?	_	1073	I4/mmm	
2 3		1373	P2			LB. 7b1
Nbopo ₄	P4/nbm	?	P2 ₁ /c			90Bar
NbSe ₂ - 2H	P6 ₃ /mmc	1	inc.	32	P6 ₃ /mmc	81Pet
NbSe ₃	inc.	60	inc.	150	monocl.	90Mo; PH. 3
(NbSe ₄) ₃ I	P 42 1c	274	P4/mnc			85GrG
Nb ₅ Si ₃	?	?	I4/mcm			81Ke
Nb ₃ Sn	P4 ₂ /mmc	45	Pm3n			73Vi
NbTe ₂	C2/m	300	6/mmm			84Bou
NbTe ₄	tetr.?	50	tetr.			
, -		200	W(P4/m	cc)/(i	<u> </u>	81Ke; 90Pro
▶ Nd	hex.	1141	Im3m			61Sp
NdAl3(BO3)4	R32	1150	C2/c			88Be
NdA103	trig.	1823	cubic			84Co
NdCu ₆	P2 ₁ /c	155	Pnma			90Vr
Nd ₂ Fe ₁₄ B	P4 ₂ /mnm	600	?			85An1
NdGaO3	ortho.		trig.			91BeV1
Nd ₂ (MoO ₄) ₃	Pba2	498	P42 ₁ m			
and:	C2/e	1234	P42 ₁ m			73Br
$NdNbO_{4}$	C2/c	1013	I4/a			89KoF
Nd2N1O4	?	70	P4 ₂ /ncm	130	Bmab	90Ro
Nd ₂ O ₃	2/m	873	3m			84Bo
or:	Ia3	873	P6 ₃ /mmc	2373	hex.	
		2473	cubic			LB. 7b1
* NdP ₅ 0 ₁₄	P2 ₁ /c	413	Pncm			80As
Nd ₂ Si ₂ O ₇	P4 ₁ 22	1750	P2 ₁ /n			70Fe
NdTaO4	12/a	1601	tetr.			83Der
Nd ₃ TaO ₇	C222 ₁	1280	cubic			79A1
$Nd_2Ti_2O_7$	P2 ₁	1770	?			LB. 16a

	NiAl ₂ O ₄	?	400	Fd3m ?			85Ta
	NiAs ₂	Pbca	?	Pnnm			81Ke
	$^{\text{Ni}}2^{\text{As}}2^{0}7$	P1	691	C2/m			90Bu
	Ni ₃ B ₇ O ₁₃ Br	Pca2	398	cubic			81Wo
	Ni ₃ B ₇ O ₁₃ C1	ortho.	610	cubic			LB. 16a
	Ni ₃ B ₇ O ₁₃ I	Pca2	64	F43c			LB. 16a
	Ni(C ₅ H ₅) ₂	P2,/a	>170	P2 ₁ /a			t. 10. 6
	Ni(C3H10)2N3C104	P2 ₁	285	Pn2n			90So1
	NI(C3H10)2NO2C104	P2 ₁	?	Pbn2 ₁	327	Pnma	90501;91
	Ni(ClO ₄) ₂ .6H ₂ O	?	126	?	180	?	
	225	ortho.	305	?	324	?	89No
*	NiF ₂	ortho.	73	P4 ₂ /mrnm			LB.7a
*	Ni ₂ MnGa	tetr.	202	Fm3m			89FuI
*	NiMnGe	Pnma	470	P6 ₃ /mmc			78An; PH. 3
*	$Ni(ND_3)_6(NO_3)_2$	monocl.		P2,2,2,	?	Pa3	•
	00 02		?				86An
*	NI(NH ₃) ₆ (BF ₄) ₂	?	80	P2 ₁ /n	115	P2,/n	
	3 3 4 2		140	Fm3m		*	86Jan
	Ni(NH ₃) ₆ Br ₂	?	?	Fm3m			90Ho
*	Ni(NH ₃) ₆ (ClO ₄) ₂	monocl.	143	P2 ₁ /n	173	Fm3m	77Ho
	Ni(NH ₃)6 ¹ 2	trig.	20	Fm3m			80Fc
*	Ni(NH ₃) ₆ (NO ₃) ₂	Pmm2	80	Pmmn	197	Pa3	
	3,6,,3,2		247	Fm3m		. 40	86Ga
	NIO	trig.	473	Fm3m			LB. 7b1
	Ni ₈ P ₃	R3c	1298	hex.			8711
*	NIS	R3m	200	P6 ₃ /mmc			76Pi
	NiSb ₂	Pbca	?	Pnnm			81Ke
	Ni ₅ Sb ₂	?	813	hex.			90A1; PH. 3
	NiSe	R3m	?	P6 ₃ /mmc			81Ke
	NITIO ₃	R3	1530	R3c			91La
	NiZn	P4/mmm	?				78Pe
*	Np	Pnma		P42 ₁ 2	850	Im3m	79Ve
	•			1-1-			
*	o ₂	C2/m	24	R3m	44	Pm3n	t.9.1
	O ₂ AsF ₆	tricl.?		monocl.	270	Fm3m	82Gr
	OH ₃ AsF ₆	?	271	Fm3m			84Ch
	36	-					04011

OH ₃ SbF ₆	12 ₁ 3	293	?	322	?	
	_	361	I a 3d			84Ch
OsCl ₄	P4 ₁ 32	?	ortho.			LB. 7a
OsF ₆	Pnma	274	Im3m			LB.7a
OsTe ₂	Pnnm	<300	Pa3			81Ke

Phenathrene - see: $C_{14}^{H}_{10}$ Phenothiazine - see: $C_{12}^{H}_{10}^{SN}$

[P(CH ₃) ₄] ₂ CoBr ₄	P12 ₁ /c1	367	Pmcn				90Pre;91PrB
[P(CH ₃) ₄] ₂ CoI ₄	P12 ₁ /c1	376	Pmen				90Pre;91PrB
[P(CH ₃) ₄] ₂ CuBr ₄	P2 ₁ /n11	102	P12 ₁ /c1	406	inc.		
	•	409	Pnma				90Pre;91Al
[P(CH ₃) ₄] ₂ CuCl ₄	P12 ₁ /c1	346	P(Pmcn)/	(ss1)	381	Pmcn	90Pre
[P(CH ₃) ₄ l ₂ ZnI ₄	P12 ₁ /c1	378	Pmen				90Pre; 91PrB
P ₄ S ₃	Pnmb	314	tetr.				t.10.6; PH.3
P ₄ S ₄	P2 ₁ /c	?	?				81Ke
P ₄ S ₅	P2 ₁	?	P2 ₁ /m				81Ke
P4S7	P2 ₁ /c	?	Pbcn				81Ke
PSe	ortho.	573	ortho.				81Ke; PH. 3
P ₄ Se ₃	Pmnb	355	cubic	465	cubic		81Ke; PH. 3
Pb5 ^{Al} 3 ^F 19	tetr.	290	tetr.				91Au; 91Co
Pb3(AsO4)2	P2 ₁	100	P2,/c	327	C2/c		
3 4 2	1	601	_*				89Ab
PbAs ₂ S ₄	P2 ₁ /n	?	P2 ₁ 2 ₁ 2 ₁	?	I43m		
6 4	•	?	P31c?				74Mu
Pb ₂ BiNbO ₆	monocl.	748	cubic				65Vi
PbBi ₂ Nb ₂ O ₉	ortho.	800	tetr.				LB. 16a
Pb5Bi8O17	monocl.	868	tetr.				85Br
Pb ₂ BiTaO ₆	tetr.	693	cubic				65Vi
PbBi ₂ Ta ₂ O ₉	ortho.	703	tetr.				LB. 16a
PbBi ₃ Ti ₂ NbO ₁₂	ortho.?	563	tetr.				LB. 16a
PbBi ₄ Ti ₄ O ₁₅	ortho.?	843	tetr.				LB. 16a
Pb2Bi4Ti5O18	ortho.?	583	tetr.				LB. 16a
PbCa ₂ (C ₂ H ₅ COO) ₆	?	190	P4 _i	332	P42212	2	LB. 16b
Pb ₂ CaTeO ₆	tricl.	568	cubic				73Pol

	Pb ₂ CdTeO ₆	tricl.	570	cubic			73Po1
	Pb ₂ CoTeO ₆	?	213	?	363	cubic	73Po1
	Pb2CoWO6	ortho.	235	P(C2/m)/(11)	298 Fm3m	89Sc1
	Pb ₅ Cr ₃ F ₁₉	I4cm	555	4/m			89AlR; 91Co
	PbCrO ₄	P2 ₁ /n	964	?	1056	?	62Pi
	Pb ₂ CrO ₅	C2/m	453	monocl.			78Ti
*	PbF ₂	Pnma	648	Fm3m			LB. 7a
	Pb ₃ (FeF ₆) ₂ - see:	Pb5Fe3F1	9				
	Pb5Fe3F19	I4cm		4/m			90A1; 91Co
	Pb ₃ (GaF ₆) ₂ (?)	tetr.	645	tetr.?			84Ab1;91Co
*	Pb_Ge3011	Р3	450	P - 6	571	?	77Ma
	PbHAsO ₄	Pc	313	monocl.			LB. 16b
*	РЪНРО _Д	Pc	310	P2/c			LB. 16b
*	PbHfO3	Pba2	380	P222 ₁	?	Pm3m	85Ba
*	PbI ₂	P3m1	423	hex.?			89SoT
	Pb2KNb5O15	Cm2m	723	P4/mbm			LB. 16a; 91Ga
	Pb2LiNb5015	Pn2 ₁ m	770	Pnam	1010	P4/mbn	91Ga
	Pb ₂ LuNbO ₆	ortho.	553	cubic			LB. 4a
	Pb ₂ LuTaO ₃	ortho.	>550	cubic			LB. 4a
	Pb ₂ MgTeO ₆	?	193	cubic			73Pou
	Pb2MnTeO6	?	443	cubic			73Pou
	Pb2MnWO6	monocl.	423	cubic			71Ve
	PbMo ₆ S ₈	tricl.	14	trig.			89Ku1
	Pb2NaNb5015	Cm2m	795	P4/mbm			91Ga
	PbNb ₂ O ₆	Bb2 ₁ m	833	P4/mbm			LB. 16a
	PbNb ₄ O ₁₁	Bm2m	813	?			LB. 16a
	Pb2NiTeO6	?	243	cubic			73Pou
	2 6 Pb0	P(C2mb)			208	P4/nmm	.0.04
		. ()	765	Pbma	1023	?	89Mo; 90Ge
	Pb304	Pbam		P4 ₂ /mbc			82Gav
	Pb ₂ P ₂ O ₇	P1		P2 ₁ /n			90Br
*	Pb ₃ (PO ₄) ₂	C2/c	453	R3m			84Bou
	Pb ₅ S ₂ I ₆	monocl.	563	?			89Pop
	Pb ₂ Sb ₂ O ₇	I2cm	510	Imcm			90Iv
	Pb ₂ ScNbO ₆	?	1483	?			84Bok
	Pb ₂ ScTaO ₆	Fm3m	1773	?			84Bok
	PbSeO ₄	P2 ₁ /n	918	Pnma			LB. 7b
	4	1					

	Pb4S106	?	428	?			76Mi
	PbSnF ₄	P2/c	353	P4/nmm	623	Fm3m	89Ca; 91Ca
	PbSnO ₃	monocl.	400	cubic			LB. 4a
	PbTa ₂ O ₆	ortho.	538	ortho.			LB. 16a
	Pb ₃ (TiF ₆) ₂ (?)	tetr.	695	tetr.?			84Ab1;91Co
*	PbTiO ₃	P4mm	763	Pm3m			LB. 16a
	Pb ₃ (VF ₆) ₂ (?)	tetr.	635	tetr.?			84Ab1;91Co
	Pb ₃ (VO ₄) ₂	Im3m	283	monocl.	371	hex.	
	3 42		377	R3m			
	or:	P2 ₁	283	hex.			88Am
	Pb ₈ V ₂ O ₁₃	monocl.	426	P222,	>523	C222,	84Ba
	Pb ₅ W ₃ O ₉ F ₁₀	14	785	•		1	87Ab
	Pb2YbNbO6	ortho.	>553	cubic			LB. 4a
	Pb ₂ ZnTeO ₆	?	328	cubic			73Pou
*	PbZr0 ₃	Pba2 ?	503	Pm3m			LB. 16a
	PbBi	P2 ₁	470	P2 ₁	485	P2 ₁	
		1		P2 ₁ ?		1	89Io
	PbBi ₂	C2/m	?	?			81Ke
	PdAl	cubic	?	trig.	?	Pn3m	TA. 1
	PdCl ₂	ortho.					TA. 1
	PdDySn	tetr.	50	Fm3m			85Um
	PdI	P2 ₁ /c	833	Pnmn			LB. 7a
	Pd ₃ Mn	tetr.	800				TA. 2
	Pd(en)2Pt(en)2Cl2(0	010,), (en=NH,	CH_CH_N	H_]		
	2 2 2	monocl.	_	ortho.	2		91Sa
	Pd(NH ₃) ₂ Cl ₂	monocl.	211	Pbca			89Ki2
	Pd ₃ Y ₂	?	1318				TA. 2
	Pm ₂ O ₃	Ia3	1073	C2/m	2013	Pām1	
	2 3		2408		2498	cubic	LB. 7b1
	Ро	Pm3m	⟨70				PH. 3
*	Pr	P6 ₃ /mmc			1069	Im3m	90Kh
	PrAl ₃ (BO ₃) ₄	R32	1150				88Be
	PrA10 ₃	ΙĪ	151		205	cubic?	
	3		1603				70Bu
	PrC ₂	I4/mmn	1408	?			PH. 2
		Imma	7	hex.			85Gr
	PrCu ₂ PrCu ₆	P2 ₁ /c	212	Pnma			90Vr
	0	1					

	PrGaO ₃	ortho.	1093				91BeV1
	Pr ₂ (MoO ₄) ₃		508				
	and:			-			71Br
	PrNbO ₄	C2/c					84Ku
	PrNiO ₃	Pbnm	773	R3c			91Hu
	Pr ₂ NiO ₄	P4 ₂ /ncm	115	Bmab	1500	I4/mmm	91Fe
	Pr ₂ 0 ₃	Ia3	?	C2/m	?	P3m1	
			2223	hex	2423	cubic	LB. 7b1
*	PrP ₅ 0 ₁₄	P2 ₁ /c	411	Pncm			89ReK
	Pr ₃ Sb ₅ O ₁₂	inc.	415	1 4 3m			89G1
	Pr ₂ Si ₂ O ₇	P4 ₁ 22 ?	1600	P2 ₁ /n			70Fe
	PrTaO ₄	monocl.	1573	ortho.			81Ca
	Pt(en)2Pt(en)2Br2(0	C10 ₄) ₄ [en=NH	CH2CH2NI	H ₂]		
		monocl.	_		-		91Sa; 91Bu
	Pt(en)2Pt(en)2Cl2(0	(210,),	en=NH,	CH_CH_N	H ₂]		
	2 2 2	monocl.	-		2		91Sa; 91Bu
	Pt(en)2Pt(en)2I2(CI	10 ₄), [e	n=NH ₂ C	CH_CH_NH,	,]		
	2 22	monocl.	-	ortho.	۷		91Sa; 91Bu
	PtBi ₂	Pbca	?	Pa3			81Ke
	PtF ₆	Pnma	276	Im3m			LB. 7a
	PtO ₂	hex.	800	ortho.			89ChH
*	Pu	Pmnm	60	P2 ₁ /m	393	I2/m	a.
				Fddd		Fm3m	
			723	I4/mmm	753	Im3m	79Ve; 89Sa
	PuBr ₃	?	373				65Ha
	PuC ₂	P2 ₁ /n	?	Fm3m			81Ke
	Z	1					
	Quartz - see: SiO ₂						
	Quaterphenyl	P1	<270	P2 ₁ /a			78Ba
		?	43	. *	122	tria	
	RbAg ₄ ^I 5	•	209	hex.	122	trig.	974b. 00Dr
	RbA1F ₄	Pmmn	282	P4 ₁ 32 P4/mbm	553	P4/mmm	87Ak; 88Br 82Bo
	-	tetr.	680	Fm3m	333	* .4\ mmiii	LB. 7a
	Rb ₃ A1F ₆	Fm3m	970	Pnma			62Qu
*	Rb ₂ As .	Pnma	515	Fm3m			LB. 7a
	NOOF 4		44				t.7.11
	RbBH ₄	?	44	Fm3m			U. 1. 11

	RbBaPO ₄	Pnma	1333	?			88Amm
	Rb ₂ BeF ₄	Pn2 ₁ a	?	Pnma	801	?	
	2 4	*	965	?			80Ar
	RbBe ₂ F ₅	ortho.	353	P1	574	?	LB.7a
	Rb ₃ BiBr ₆	?	706	?			80Cy
	Rb ₃ BiCl ₆	?	714	?			80Cy
	RbBi(MoO ₄) ₂	P2 ₁ /c	?	P2 ₁ /c	?	Pcan	
		-	?	I4 ₁ /a			77Kl
	RbC ₆ H ₂ O ₇	P2 ₁ /a	308	P2 ₁ /n			87Ho
*	RbCN	Bb	110	Fm3m			83St
	RbCaCl ₃	Pnma	?	P4/mbm	?	Pm3m	79Mi
	RbCaF ₃	Pmmn	41	I4/mcm	193	Pm3m	85Hi
	RbCdCl ₃	Pnma	341	Cmcm	363	P4/mbm	
			388	Pm3m			LB. 7a
	Rb ₂ CdCl ₄	C2/a	133	I4/mmm			85A1
	Rb ₃ Cd ₂ Cl ₇	P4 ₂ /mnm	172	Bbmm	214	I4/mmm	88Alk
	Rb ₄ Cd ₃ Cl ₁₀	B12 ₁ /c1	136	P4 ₂ /ncm	194	Bcmb	
			237	I4/mmm			90Bo
	RbCdF ₃	I4/mcm	124	Pm3m			75Ro
	$Rb_2Cd_2(MoO_4)_3$	P2 ₁ 2 ₁ 2 ₁	463	P2 ₁ 3			86Mu
	RbCdPO ₄	Pna2 ₁	633	?	1023		88Amm
*	$Rb_2Cd_2(SO_4)_3$	P2 ₁ 2 ₁ 2 ₁	68	P1	103	P2 ₁	
			129	P2 ₁ 3			LB.16b;88Hi
	$RbCe(MoO_4)_2$	P2 ₁ /c	?	?	?	?	77K1
	RbCe(WO ₄) ₂	I2/c	?	Pcan	?	Pnnn	
			?	?			77K1
	RbC10 ₄	Pnma	548	Fm3m			t.7.11
*	Rb ₂ CoBr ₄	?	65	?	95	ortho.	
			193	ortho.	333	?	85Ge
	Rb ₂ CoCl ₄	A11a	66	Pn2 ₁ a	192	ortho.	
			295	Pnma			89To
	RbCoF ₃	tetr.	101	Pm3m			LB.7a
	RbCrCl ₃	C2	201	C2/m	470	P6 ₃ /mmc	79Cr
	Rb ₂ CrCl ₄	?	52	ortho.?			85Ts
	Rb ₃ CrF ₆	tetr.	683	Fm3m			LB.7a
	RbCrI ₃	C2 ₁	?	C2 ₁ /m	?	P6 ₃ /mmc	88Za
	Rb ₂ CrO ₄	Pmcn	975	hex.			77Du; 85Lo

RbCuCl ₃	C2	260	P6cn	339	P6 ₃ /mmc	90Gr
RbCu ₄ Cl ₃ I ₂	ortho.	350	P4 ₁ 32		J	83Ge1
Rb _A Cu(MoO _A) ₃	monocl.	433	ortho.	573	P6 ₃ /mmc	89K1
RbD ₂ AsO ₄	?	173	tetr.		3	LB. 16b
Rb ₃ D(SeO ₄) ₂	monocl.	92	monocl.			901ch
RbDy(MoO ₄) ₂	Pccm	?	Pcan			77K1
RbDy(WO ₄) ₂	I2/c	?	P2 ₁ /c	?	Pcan	77K1
Rb ₃ ErF ₆	I4 ₁ /amd	818	Fm3m			75AlG
RbEr (MoO ₄) ₂	Pccm	773	Pcan	1173	P3m1	77K1
RbEr(WO ₄) ₂	I2/c	?	P2 ₁ /c	?	Pcan	77K1
Rb ₅ Eu(CrO ₄) ₄	?	533	?			89Po1
RbEu ₂ F ₇	P6 ₃ 22	991	?			78Ar
Rb ₃ EuF ₆	?	433	I4/mmm	1143	Fm3m	81Zai
RbEu(MoO ₄) ₂	Pcan	?773	Pnnn	1170	?	77K1
RbEu(WO ₄) ₂	I2/c	1090	Pcan			77Kl
RbFeF ₃	monocl.	45	ortho.	86	tetr.	
J		101	Pm3m			LB.7a
RbFeF _⊿	Pca2 ₁	923	P4/mmm			LB. 7a
or:	P2 ₁ 2 ₁ 2 ₁	?	Pmma	923	P4/mmm	79Hi
Rb ₃ FeF ₆	P4/mnc	633	Fm3m			LB. 7a
RbFeS ₂	C2/c	770	Immm			89SmS
Rb ₃ GaF ₆	?	365	?	379	?	
J J		658	Fm3m			LB. 7a
Rb ₃ GdF ₆	I4 ₁ /amd	?	I4/mmm	1153	Fm3m	81Zai
RbGd (MoO ₄) ₂	Pccm	?	Pcan	?	Pnnn	
4 2		?	?			77K1
RbGd(WO ₄) ₂	I2/c	1090	Pcan			77K1
RbGeBr ₃	Pn2 ₁ a	366	R3m	503	Pm3m	88Th
RbGeI ₃	P2 ₁ 2 ₁ 2 ₁	454	Pn2 ₁ a	494	R3m	
3	1 1 1	517	Pm3m			89ThR
RbH ₂ AsO ₄	Fdd2	110	1 4 2d			t. 7. 14
RbHF ₂	I4/mcm	449	Fm3m			LB. 7a
RbH ₂ PO ₄	Fdd2	147	I 42d	359	P2,	
2 4		553	?		1	LB. 16b
RbHS	?	123	trig.	403	Fm3m	70A1
RbHSO ₄	Pc	266	P2 ₁ /c			LB. 16b
Rb3H(SO4)2	A2/a	339	R3m	>400	?	87Bar; 89Fc
3 4 Z						,

	RbHSe	trig.	>300	Fm3m			70A1
ŧ	RbHSeO ₄	Ií	371	12,	446	?	78Wa
	or:	P1	370	12 ₁ B2	440	•	90Mak
	RbH ₃ (SeO ₃) ₂	P2 ₁	153				LB. 16b
	Rb ₃ H(SeO ₄) ₂	C2/c	337	P2 ₁ 2 ₁ 2 ₁ A2/a	449	Rām	LD. 100
	3"(5664/2	02/0	606	?	442	1.Jii	87Bar; 90Ze
	Rh HfW O	?	493	?	953	D6 22	
	Rb ₂ HfW ₅ O ₁₈	r R3c	398	r Fd3m	933	P6 ₃ 22	90St
	Rb ₂ Hg(CN) ₄	I4/mmm	1203				81W1; PH. 2
	Rb3HoF6			Fm3m	•	•	81Zai
	RbHo (MoO ₄) ₂	Pccm	?	Pcan	?	?	77K1
	RbHo(SO ₄) ₂	C2/c	?	Pnna		_	84Sa
	RbHo(WO ₄) ₂	12/c	1073	P2 ₁ /c	?	Pcan	77K1
	Rb3InF6	?	438	P4/mnc	493	Fm3m	81Zai
	$RbIn(MoO_4)_2$	tricl.	98	inc.	163	Pnam	
	•	_	1073	P3m1			89Zap
	$RbIn(WO_4)_2$	<u>ī</u>	90	Fd3	723	Pnam	
			1098	P3m1			71Ef
	Rb ₂ KBiF ₆	P2 ₁ /n	340	cubic			88Kh; 91F1
	Rb ₂ KCrF ₆	tetr.	153	Fm3m			88Kh; 91Fl
	Rb ₂ KDyF ₆	P2 ₁ /n	381	Fm3m			84Mi;91Fl
	Rb ₂ KFeF ₆	tetr.	170	Fm3m			88Kh; 91F1
	Rb ₂ KGaF ₆	tetr.	129	cubic			91F1
	Rb ₂ KHoF ₆	P2 ₁ /n	392	Fm3n			91F1
	Rb2KMoO3F3	R3	328	Fm3m			84IhA
	Rb ₂ KScF ₆	P2 ₁ /n	223	I 4/m	252	Fm3m	91F1
	Rb ₂ KTbF ₆	P12 ₁ /n1	410	Fm3m			91F1
	Rb ₂ KYF ₆	P2 ₁ /n	398	Fm3m			88Kh; 91F1
	Rb ₅ La(CrO ₄) ₄	?	570	?			89Pol
	RbLa(MoO _A) ₂	P2 ₁ /c	1003	tetr.	?	?	77K1
	RbLa(WO ₄) ₂ [A]	C2/c	1088	Pnnn			
	4 Z [B]	C2/m	953	C2/c	1063	Pnnn	
	[C]	Pbcn	853			C2/c	
			1053	Pnnn			76K1K
	RbLiCrO ₄ - see: Li	RbCrO,					
	Rb ₄ LiH ₃ (SO ₄) ₄	P2, 4	131	P4 ₁	455	?	90Pi
	Rb ₄ LiH ₃ (SeO ₄) ₄	P2 ₁	101	P4 ₁	465		90Pi
	RbLiMoO _A	m 1	393	_	406		
	4	199		F43m			88K1M
							CONTIN

	RbLiWO ₄	m	378	mm2	403	cubic	
	-		418	F43m			89Me
	RbLu(MoO ₄) ₂	Pccm	773	Pcan	983	P3m1	77K1
	RbLu(WO ₄) ₂	P2 ₁ /c	1140	Pcan	1180	P3m1	77K1
	Rb ₂ MgCl ₄	I4/mmm	?	Pnma			80Ar
	RbMgF ₃	Pm3m	?	P6 ₃ /mmc			LB.7a
	Rb2MgGe5012	cubic	733	143d			84To2
	RbMnCl ₃	C2/m	274	P6 ₃ /mmc			84Go1
	Rb2MnF6	P6 ₃ mc	?	Fm3m			LB.7a
	Rb ₂ MnI ₄	P2 ₁ /m	?	Pnma			80Ar
	Rb ₂ Mn ₂ (MoO ₄)	P2 ₁ 2 ₁ 2 ₁	285	P2 ₁ 3			86Mu
	Rb ₂ MoO ₄	C2/m	503	Pmcn	593	ortho.	89K; 85Lo; 70Ak
	Rb ₃ MoO ₃ F ₃	tetr.	423	tetr.	538	cubic	LB. 16b
*	RbN ₃	tetr.	?	Pm3m			76Pi
	RbNO ₂	monocl.	⟨273	Fm3m		•	t.7.2
	RbNO ₃	trig.	437	cubic	492	trig.	
	•		558	cubic			85Ka
	or:	Р3	437	Pa3	492	R3m ?	88ShL
			558	Fm3m			LB. 16b
	Rb2NaDyF6	I4/m	173	Fm3m			84Mi
	Rb2NaHoF6	I4/m	173	Fm3m			81 I h
	Rb2NaNiF6	tetr.	152	cubic			88Kh
	Rb2NaPdF6	tetr.	388	cubic			88Kh
	Rb2NaTmF6	I4/mmm	?	Fm3m			84IhA
	RbNbCl ₆	?	578	?			89Shf
	Rb3Nb2OF11	?	563	?			88KaA
	RbNbWO ₆	tetr.	370	Fd3m			87Vy
	RbNbW ₂ O ₉	?	573	?	593	Cmm2	
	623	ortho.	653	P6 ₃ 22	>750	hex.	80K1
	Rb3NdF6	?	463	tetr.	1103	Fm3m	81Zai
	$RbNd(MoO_4)_2$	Pcan	773	Pnnn	993	tetr.?	77K1
	RbNd(WO ₄) ₂	I2/c	1123	Pcan			77K1
	RbO ₂	monocl.	179?	inc.	?	I4/mmm	
			404	Fm3m			73Du; 81Ke
	$Rb_2^{0. Al}_2^{0}_3. 4Si0_4$	14 ₁ /a	673	cubic			85KoN
	RbOH	Cmc2	?	P2 ₁ /n	?	monocl.	
			508	Fm3m			87Ja
	RbPF ₆	?	207	Fm3m			t.7.13

	Rb2PbCu(NO2)6	P1	275	Fmmm	312	Fm3m	81Pet
	Rb2Pb4Nb10O30	ortho.	685	tetr.			84Mo
	Rb3PrF6	?	503	I 4/mmm	1093	Fm3m	81Zai
	RbPr(MoO ₄) ₂	ΡĪ	723	Pcan	953	Pnnn	
			?	?			77K1
	RbPr(WO ₄) ₂	I2/c	1020	Pcan	1230	Pnnn	77K1
	Rb ₂ S ₅	P2 ₁ 2 ₁ 2 ₁	>300	?			81Ke
*	RBSCN	Pbcm		tetr.			91Sa
	RbSH - see: RbHS						
	Rb ₂ SO ₄	Pnam	922	P3m1			74No
	Rb ₂ SbBr ₆	?	220	?	230	?	t.7.13
	Rb ₃ ScF ₆	I4/mmm	230	P4/nmc	475	Fm3m	91Ch
	Rb ₂ SeO ₄	ortho.	825	hex.?			62Ga
	$Rb_{5}Sm(CrO_{4})_{4}$?	573	?			89Pol
	Rb ₃ SmF ₆	?	463	I 4/mmm	1133	Fm3m	81Zai
	RbSm(MoO ₄) ₂	Pcan	⟨770	Pnnn	1120	?	77K1
	RbSm(WO ₄) ₂	I2/c	1098	Pcan			77K1
	RbSrPO ₄	?	883	?	1123	?	
			1613	?			88Amm
	RbTaCl ₆	hex.	586	?			89ShF
	RbTaO ₃	?	520	?			76Mi
	RbTb(MoO ₄) ₂	Pccm	?	Pcan			77K1
	RbTb(WO ₄) ₂	I2/c	1080	Pcan			77K1
	Rb ₂ TeBr ₆	I4/m	45	Fm3m			84IhA
	Rb ₂ TeI ₆	P4/mnc	340	Fm3m			84IhA
	RbTiOPO ₄	Pna2	1068	Pnam			89MaB
	$RbTm(MoO_4)_2$	Pccm	<770	Pcan	1070	P3m1	77K1
	$RbTm(WO_4)_2$	I2/c	?	P2 ₁ /c	<770	Pcan	
			1070	P3m1			77K1
	RbVF ₄	P2 ₁ 2 ₁ 2	184	P2 ₁ 2 ₁ 2 ₁	413	Pmmn	
		_	483	P4/mbm	?	P4/mmm	84Hi
	Rb ₃ VF ₆	?	403	?	531	?	
			618	Fm3m			LB.7a
	${ m Rb}_2{ m WO}_4$	C2/m	543	Pcmm	651	Ccmm	
			740	P6 ₃ /mmc	950	?	83Tu; 70Ak; 69Be
	${ m Rb_3WO_3F_3}$	trig.	?	cubic			69Be
	$RbY(MoO_4)_2$	Pccm	?	Pcan	?	P3m1	77K1

	RbY(WO ₄) ₂	[A]	monocl.	?	?			
		[B]	I2/c	?	?	?	Pcan	77K1
	RbYb (MoO ₄) ₂	2	Pccm	770	Pcan	1000	P3m1	77Kl
	RbYb(WO ₄) ₂		I2/c	1150	P2 ₁ /c	?	Pcan	
					P3m1			77K1
*	Rb ₂ ZnBr ₄		Pc	50	P2cm	80	P2 ₁ cn	
		108	P2 ₁ cn	200	P(Pmcn)	/(ssī)	•	
		374	Pmcn					82Ue;86Ho
*	Rb ₂ ZnCl ₄		Pna2	74	Pna2 ₁	189	P(Pcmn)/(s	sī)
				302	Pnma	?	(P6 ₃ /mma)?	83Qu
	RbZnF ₃		tetr.	?	P6 ₃ /mmc	770	Pm3m	81Zai
	Rb ₂ ZnGe ₅ O ₁₂	2	tetr.	?	143d			84To2
	Rb ₂ ZnI ₄		?	33	inc.?	62	monocl.	89Zag
	RbZnPO ₄		P2 ₁	753	?	1143	?	88Amm
	ReF ₆		Pnma	270	Im3m			LB.7a
	ReO ₂		P2 ₁ /c	573	P4 ₂ /mnm	?		81Ke; 89ChH
	Re ₂ 0 ₇		ortho.	413	?			89ChH
	ReSe ₂		2/m	?	6/mmm			84Bou
	RhBi ₂		P2 ₁ /c	?	monocl.			81Ke
	RhF ₆		Pnma	?	Im3m			LB.7a
	RhSe ₂		Pbnm	?	Pa3			81Ke
	RhTi		Cmmm	?	P4/mmm	?	Pm3m	88Yi
	RuF ₆		Pnma	275	Im3m			LB.7a
	Ru ₂ Ge ₃	•	Pbcn	?	P4c2			81Ke
	Ru ₂ Si ₃		Pbcn	?	P4c2			81Ke

Squaric acid - see: C4H2O4

* S		Fddd	368	P2 ₁ /a			76Pi
* SC(NH ₂) ₂		Pb2 ₁ m	169	inc.	176	P(P2 ₄ ma)/(<i>īīi)</i> 89Zu
	180	P(Pnma)/	(sī1)		202	Pbnm	LB. 16b; 87Co
SF ₆		?	?	Im3m			t. 10. 6
SbF ₆ (H ₃ O)		12,3	?	?	373	Ia3d	91Car
SbMn ₃ N		tetr.	?	Pm3m			70Bar
SbNbO ₄		Pna2	678	?	878	?	LB. 16b
Sb ₂ 03		Fd3m	846	Pccn			LB. 7b1

	Sb ₂ 0 ₄		monocl.	?	ortho.			73Ke
	Sb ₅ 0 ₇ I	[A]	P2 ₁ /c	481	P6 ₃ /m			79Fr
	•	[B]	Pc	438	Pē			79Fr
	Sb ₂ S ₃		?	300	Pbn2	450	Pbnm	LB. 16b
	SbSBr		?	21	Pnam			LB. 16b
*	SbSI		Pna2 ₁	293	Pnam			LB. 16b
	SbTaO ₄		Pna2	668	?	873	?	LB. 16b
	SbTiTaO ₆		mm2	553	?			90Po
*	Sc		P6 ₃ /mma	1282	?	1608	Fm3m	59Ro
	Sc ₃ Sb ₅ 0 ₁₂		R3m	392	I43m ?			84Po
	SiC		cubic	2270	P6 ₃ mc			
	Si ₂ (CH ₃) ₆		?	222	Im3m			t. 10. 6
*	SiO ₂		quartz (P3 ₂ 1)	1143	tridym. (P6 ₃ /mm		cristobalit (Fd3m)	e
	quart.	z:	P3 ₂ 21	848	inc.	849.4	inc.	
				846	P6 ₂ 22			84Bou; 91Do
	tridyr	nite:	Сс	378	P2 ₁ 2 ₁ 2 ₁	453	ortho.	
				653	P6 ₃ /mmc			78Ki
		obalite:	P4 ₁ 2 ₁ 2	500	Fd3m			
*	SIP ₂		Pbam	?	Pa3			81Ke
*	Sm		R3m	1190	Im3m			61Sp
	SmAl ₃ (BO ₃)4	trig.	1100	C2/c			88Be
	SmAlO ₃		ortho.	1043	trig.	2223	cubic	84Co
	SmBO3		?	1123	?		_	89LyS
*	Sm ₄ Bi ₃		?	94	?	234	143d	85Ts; PH. 3
	SmC ₂		I4/mmm		?			PH. 2
	SmCu ₆		monocl.		ortho.			87En
	SmF ₃		Pnma		P31c			73So
	Sm ₂ Fe ₁₄ B		P4 ₂ /mrnm		? _			85An1
	SmGd (MoO		Pba2	453	P42 ₁ m			
	a	and:	C2/c	1158	P42 ₁ m		_	71Br
	SmMn ₂ Ge ₂	•	?	153	I4/mmm	341	?	89Bu1; PH. 3
	Sm ₂ (MoO ₄)		Pba2	470	P42 ₁ m			345
	C-MbO	and:	C2/c		P42 ₁ m			71Br
	SmNbO ₄		C2/c	1113				84Ku
*	Sm ₃ NbO ₇ Sm ₂ O ₃		Cmm2	160	Cmmm C2 /m	2203	Pām1	85Ast
•	2 3		Ia3	1123				ID 764
				2433	hex.	2553	cubic	LB.7b1

*	SmOF	R3m	>770	Fm3m			76Pi
		P2 ₁ /c	482	Pncm			90Ca
	SmP ₅ O ₁₄	?	200	P6/mmm			90Ab
	SmRh ₃ B ₂ Sm ₂ S ₃	ortho.	1380				89An
	2 0	Prima	850				90SaS; PH. 3
	Sm ₃ Sb ₄ S ₉				1960	D1	
*	Sm ₂ Si ₂ O ₇ Sn	cubic		P2 ₁ /n I4/amd	?	P1 ?	70Fe 8901
•					•	•	
	SnCl ₂ . 2H ₂ O	P2 ₁ /c					LB. 16b
	SnF ₂	C2/c					900-
		P2 ₁ ² 1 ² 1					89De
	SnF ₆	?	475	cubic			86Fou
	Sn ₃ F ₈		' 619	cubic			86Fou
*	SnMn ₃ N	tetr.		P2 ₁ /c			70Bar
	Sn ₂ P ₂ S ₆	Pc ?	176	-	192	inc.	LB. 16b
	Sn ₂ P ₂ Se ₆	f		P2 ₁ /c	132	inc.	904-
	C.C	Dh		_			88Vo
	SnS	Pbnm	878 964				81ScW
	Sn ₂ S	P3 ₁ 21			988	antha	TA. 2
	Sn ₂ S ₃	ortho.		ortho. ortho.	300	ortho.	T
	C=Co	Dham					TA. 2
*	SnSe SnTo	Pbnm		Cmcm cubic			81ScW
•	SnTe	trig.			00	***	79Wi
	or:	ortho.		trig.	90	tetr.	0.40
		41-		cubic	160	t -	840r
*	or:	ortho.		trig.		cubic	840r
	Sr S-AIF	Fm3m	695	P6 ₃ /mmc	7830	Im3m	56Me
	SrAlF ₅			ortho.	2	T	67Ra; 89Rav
	Sr ₈ ^{Al} ₁₂ O ₂₄ (CrO ₄) ₂ [B]	mm2		4/mmm		Im3m Im3m	99D-4 - 90V0
		mmz	203	tetr.		1 11 3 m	88De1;89Ku2
	Sr ₈ Al ₁₂ O ₂₄ (MoO ₄) ₂			tetr.?			88De; 88De1
	Sr ₈ ^{Al} ₁₂ ^O ₂₄ (SO ₄) ₂						88De1
	Sr ₈ Al ₁₂ O ₂₄ (WO ₄) ₂	42	693	I4 ₁ /acd	609	cubic	88De1
SrBi ₂ Nb ₂ O ₉ SrBi ₂ Ta ₂ O ₉		A2 ₁ am		tetr.			LB. 16a; 90Rae
		A2 ₁ am	583	tetr.			LB. 16a; 90Rae
	SrBi ₄ Ti ₄ O ₁₅	ortho.	803 558	tetr.			LB. 16a
	Sr ₂ Bi ₄ Ti ₅ O ₁₈	ortho.	643	tetr.			LB. 16a
	SrC ₂	I4/mmm	043	Fm3m			81Ke; PH. 2

*	srco ₃	Pbnm	1170	RЗm			76Pi
	SrCa2(CH3CH2CO2)6 -	- <i>see</i> : Ca	: Ca ₂ Sr(C ₂ H ₅ COO) ₆				
	SrCl ₂	cubic	1000	?			TA. 1
	Sr ₂ Co ₂ O ₅	?	>800	?	1020	inc.	
			1155	cubic			87Rod
	Sr ₂ CoTeO ₆	tetr.	670	cubic			75Po
	Sr ₂ CoWO ₆	tetr.	>670	cubic			LB. 4a
	SrCrF ₅	?	495	?			89Rav
	Sr ₅ Cr ₃ F ₁₉	tetr.	953	tetr.?			91Co
	Sr ₂ Cu(BO ₃) ₂	P2 ₁ /c	1073	Pnma			89SmK
	Sr ₃ CuNb ₂ O ₉	tetr.	663	cubic			71Ve
	Sr ₃ CuTa ₂ O ₉	tetr.	1523	cubic			71Ve
	Sr ₂ CuWO ₆	tetr.	1193	cubic			71Ve
	Sr ₅ Fe ₃ F ₁₉	14,	720	tetr.?			84Ab1;91Co
	Sr ₂ FeNbO ₆	tetr.	523	cubic			LB. 4a
	Sr ₅ Ga ₃ F ₁₉	tetr.	893	tetr.?			91Co
	SrHf03	ortho.	?	tetr.	?	tetr.	
			?	cubic			88Re
	Sr ₂ KNb ₅ 0 ₁₅	P4bm	429	4/mmm			LB. 16a
	Sr ₂ MnNbO ₆	trig.	473	cubic			LB. 4a
	SrMo ₆ S ₈	Ρī	125	RЭ			90KuY
	Sr ₂ NaNb ₅ O ₁₅	?	173	?	457	ortho.	
			547	4/mmm			84bnn
	$\mathrm{Sr_2^{Nb}_2^{O}_7}$	Pbn2 ₁	117	inc.	488	Cmc2 ₁	
			1615	Cmcm		-	81Ak
	Sr ₂ NiWO ₆	tetr.	>570	cubic			LB. 4a
	SrOOH	Pbnm	?	Cmcm			82Pr
	Sr ₂ P ₂ O ₇	Pnma	1531	?			91Be
	SrPbO ₃	monocl.	1120	cubic			70Sh
	Sr ₂ RbNb ₅ O ₁₅	tetr.	412	?			LB. 16a
	Sr ₂ SiO ₄	P112 ₁ /n	358	Pcmn	773	Pmnb	83Ca; 91PhK
	Sr ₂ Ta ₂ 0 ₇	?	117	Cmc2	161	Cmcm	
			443	2/m			81Ak
	SrTeO ₃ [A]	Сс	585	C2	1260	?	
	[B]	tricl.	648	monocl.	733	monocl.	84Bu
	SrTe ₂ 0 ₅	2/m	890	6/mmm			89Sad
	SrThNb ₂ 0 ₈	I2/c	808	14 ₁ /a			77Fo

	Sr ₅ Ti ₃ F ₁₉	tetr.	755	tetr.?			91Co
*	SrTiO ₃	I4/mcm	105	Pm3m			85Sat
	Sr ₅ V ₃ F ₁₉	tetr.	735	tetr.?			91Co
	Sr ₂ YNbO ₆	trig.	903	cubic			LB. 4a
	Sr ₂ YbNbO ₆	?	813	cubic			LB. 4a
	Sr ₂ ZnWO ₆	tetr.	>703	cubic			LB. 4a
	SrZr0 ₃	ortho.	1003	tetr.	1133	tetr.	
	_		1443	cubic			67Ca

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{\tt TAAP - see: [Te(OH)_6].2(NH_4H_2PO_4).[(NH_4)_2HPO_4]}
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TANANE - see: C9H18NO

TANO-n-heptane - see: C9H16NO2

TCAA - see: CH3NH20 p-TERPHENYL see: C18H14

TGFB - see: (NH2CH2COOH)3.H2BeF4

 ${\rm TGS-see:} \ ({\rm NH_2CH_2COOH})_3. {\rm H_2SO_4}$ TGSe - see: (NH2CH2COOH)3.H2SeO4

Thiourea - see: SC(NH₂)₂ s-triazine - see: C3H3N3

 ${\tt TSCC - see: (NHCH_3CH_2COOH)_3CaCl_2}$

(TMTSF) ₂ BF ₄	F1	38	?				84Le
(TMTSF)2C104	Pī	24	ΡĪ				85Mor
(TMTSF) ₂ FSO ₃	Fī	88	?				84Le
(TMTSF)2NO3	ΡĪ	41	?				84Le
(TMTSF)2ReO4	ΡĪ	177	ΡĪ				82Ri
(TMTTF) ₂ BF ₄	tricl.	200	tricl.				84Mu
(TMTTF)2SCN	ΡĪ	160	Pī				85Mor
TTF(Au)BDT	ΡĪ	200	ΡĪ				85Er
TTF(Cu)BDT	P1	240	ΡĨ				85Er
TTF-chloranil	Pn ?	80	P2 ₁ /n				89ToB
TTF-TCNQ (C6H4S-C	2 ^H 4 ^N 4 ⁾	P(P2 ₁ /	c)/(Cmm)	38	inc.		
	(TMTSF) ₂ C10 ₄ (TMTSF) ₂ FS0 ₃ (TMTSF) ₂ NO ₃ (TMTSF) ₂ ReO ₄ (TMTTF) ₂ BF ₄ (TMTTF) ₂ SCN TTF(Au)BDT TTF(Cu)BDT TTF-chloranil	(TMTSF)2C104 PĪ (TMTSF)2FS03 FĪ (TMTSF)2NO3 PĪ (TMTSF)2ReO4 PĪ (TMTTF)2BF4 tricl. (TMTTF)2SCN PĪ TTF(Au)BDT PĪ TTF(Cu)BDT PĪ TTF-chloranil Pn ?	(TMTSF)2C104 PĪ 24 (TMTSF)2FS03 FĪ 88 (TMTSF)2NO3 PĪ 41 (TMTSF)2ReO4 PĪ 177 (TMTTF)2BF4 tricl. 200 (TMTTF)2SCN PĪ 160 TTF(Au)BDT PĪ 200 TTF(Cu)BDT PĪ 240 TTF-chloranil Pn ? 80	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(TMTSF)2C104 PĪ 24 PĪ (TMTSF)2FS03 FĪ 88 ? (TMTSF)2N03 PĪ 41 ? (TMTSF)2Re04 PĪ 177 PĪ (TMTTF)2BF4 triel. 200 triel. (TMTTF)2SCN PĪ 160 PĪ TTF(Au)BDT PĪ 200 PĪ TTF(Cu)BDT PĪ 240 PĪ TTF-chloranil Pn 7 80 P21/n	(TMTSF)2C104 PĪ 24 PĪ (TMTSF)2FS03 FĪ 88 ? (TMTSF)2NO3 PĪ 41 ? (TMTSF)2ReO4 PĪ 177 PĪ (TMTTF)2BF4 tricl. 200 tricl. (TMTTF)2SCN PĪ 160 PĪ TTF(Au)BDT PĪ 200 PĪ TTF(Cu)BDT PĪ 240 PĪ TTF-chloranil Pn 80 P21/n	(TMTSF)2C104 PĪ 24 PĪ (TMTSF)2FS03 FĪ 88 ? (TMTSF)2NO3 PĪ 41 ? (TMTSF)2ReO4 PĪ 177 PĪ (TMTTF)2BF4 triel. 200 triel. (TMTTF)2SCN PĪ 160 PĪ TTF(Au)BDT PĪ 200 PĪ TTF(Cu)BDT PĪ 240 PĪ TTF-chloranil Pn 80 P21/n

49 inc. 150 P2₁/c 81Pet; 90So TaFeO4 P42/mnm 1023 Pbcn 89Pou Ta₃Ge P42/n 81Ke Ta₂0₅ hex. ? hex.? 80Kh

*	TaS ₂ -1T		Pī	190	tricl.	353	inc.	
				448	P3m1			81Pet;89Min
*	TaS ₃	[A]	?	<300	C222 ₁			81Ka
		[B]	?	<300	P2 ₁ /m			
*	TaSe ₂	2H	?	<60	Cmcm	90	inc.	
				112	hex.	120	P6 ₃ /mmc	81Wa
		or:	P6 ₃ /mmc	95	inc.	122	P6 ₃ /mmc	81Pet
		ſT	ΡĪ	473	inc.	>600	P3m1	81Pet
	(TaSe ₄) ₂ I		?	245	inc.	263	1422	85Se
	Ta ₅ Si ₃		?	?	I4/mcm			81Ke
*	TaTe ₄		P(P4/no	c)/(1 <u>1</u>	11)(00y)	450	tetr.	89Bu; 90Pro
		or:	P4/ncc	450	P4/ncc	550	inc.	89ChW; 91BeB
*	Tb		ortho.	220	P6 ₃ /mmc	1300	?	90 V o
	TbC ₂		I4/mmm	1558	Fm3m			PH. 2
	TbCl ₃		Cmcm	808	C2/m			82Gar
	TbF ₃		Pnma	1213	P3c1			72Bac
*	Tb2(MoO4)	3	C2/c	1108	P42 ₁ m			
		and:	Pba2	433	P42 ₁ m			71Br
	TbNi		P2 ₁ /m	?	Pnma			76Par
*	Tb ₂ 0 ₃	[A]	C2/m	2175	P3m1	2175	hex.	
	2 3			2340	cubic			
		[B]	Ia3	1500	C2/m	2160	hex.	LB. 7b1
	TbPO4		monocl.	2	I4 ₁ /amd			80Na
*	TbP ₅ 0 ₁₄		P2 ₁ /c		Pncm			89ReK
	Tb3Sb5012		inc.	385	I43m			89G1
	Tb2Si2O7		P1/P1	1770	Pnam			70Fe
*	TbVO ₄		Fddd	33	I4 ₁ /amd			89Hik
	TcF ₆		Pnma	268	Im3m			LB. 7a
	Te(OH) ₆ .2	NH4H2PO4.	(NH ₄) ₂ HP	o ₄	Pn	321	2/m	84GuG
	TeVO ₄		P2 ₁ /c		P2 ₁ /c			72Me
	ThBr ₄		inc.	95	I41/amd	603	ortho.	
					tetr.			88Ke
	Th		cubic	1673	I m3m			
	ThC ₂		C2/c	?	Fm3m			81Ke
		or:	C2/c	1700	P4 ₂ /mmc	1754	Pa3	PH. 2
	ThCN		P31m	1398	C2/m?			PH. 2
	ThCl ₄		inc.	70	I4 ₁ /amd	593	ortho.	81Hu

Th ₂ Fe ₁₄ B	P4 ₂ /mrnm	450	P4_/mrm			90An
* Ti	P6 ₃ /mmc		_			79Ve
TiCl ₃	?	9	?	220	?	90Sn
TiF ₃	trig.	335	Pm3m			85Mog
TiO			tetr.	1523	Fm3m	LB. 7b1
* Ti ₃ 0 ₅ [A]	C2/m	450	C2/m			
[B]	P2 ₁ /a	236				89AsG
Ti ₄ 0 ₇	A1	125	_	150	ΑĪ	76Pi
Ti ₆ O ₁₁	ΡĪ	147	Ιī			83Pa
TiS ₂	?	50	P3m1			90Las; PH. 3
Z TiSe ₂	?	200	P3m1			84Fr
* T1	P6 ₃ /mmc		Im3m			79Ve
* TIAIF4	12/a	435	I4/mcm	514	P4/mmm	87Bu
* T1BF4	Pnma	475	Fm3m	735	cubic	t.7.11
TlBi(MoO ₄) ₂	P2 ₁ /c	?	P2 ₁ /c	?	I4 ₁ /a	77Kl
TICdF	I4/mcm	191	Pm3m		1	75Ro
* T12Cd2(SO4)3	P2 ₁ 2 ₁ 2 ₁	93	P1	123	P2,	٠
2 2 4 3	1 1 1	128	P2 ₁ 3		1	LB. 16. b
TlCe(MoO ₄) ₂	Pcan	?	Pnnn			77K1
* T1C10 _A	Pnma	541	Fm3m			t.7.11
Tl ₂ CoBr ₄	P2 ₁ /m	?	Pnma			80Ar
Tl ₃ CrF ₆	ortho.	485	Fm3m			LB.7a
TlDy(MoO ₄) ₂	Pcan	?	Pnnn	?	?	77K1
TlEr(MoO ₄) ₂	monocl.	?	Pccm	?	Pcan	77K1
TlEu(MoO ₄) ₂	Pcan	?	Pnnn	?	?	77Kl
* TIF	ortho.	355	I4/mmm			LB. 7a
TlFeTe ₂	?	222	?	691	?	89Ald
TlGaS ₂	?	202	inc.	214	Cc?	90Gr;PH.3
* TlGaSe ₂	monocl.	110	monocl.	120	Сс	90Mc
TlGd(MoO ₄) ₂	Pcan	?	Pnnn	?	?	77Kl
* T1H ₂ PO ₄	monocl.	230	P2 ₁ /a	357	ortho.	90Ar
T1H ₃ (SeO ₃) ₂	P2 ₁	52	inc.	56	P2 ₁ 2 ₁ 2 ₁	85Sh
T1Ho(MoO ₄) ₂	Pcan	?	Pnnn	?	?	77K1
* T1I	Cmcm	448	Pm3m			LB. 7a
TlInCl ₄	monocl.	698	ortho.			LB.7a
$^{ m Tl}{_3}^{ m InF}{_6}$	tetr.	403	Fm3m			81Zai
* TlInS ₂	?	170	inc.	200	monocl.	

(continued)

216 C2/c 788 R3m 78Mu; 84Va TlLa (MoO₄)₂ ? I4,/a 77K1 monocl. TlLu(MoO₄)₂ monocl. ? Pccm ? Pcmn 77K1 TlMnCl₂ monocl. 235 ortho. 276 tetr. 296 Pm3m 75A1 Tl2MoO4 Pna2₁ 311 ? 673 ? 776 ? LB. 16b * T1N3 ? Cccm 240 I4/mcm ? Pm3m 85A1K * T1NO3 Pnma 352 P31m 416 cubic t.7.2 TINEWO6 tetr. 330 Fd3m 87Vy $T1Nd(MoO_4)_2$? ? Pcan Pnnn 77K1 P4₁ P2₁2₁2₁ Tl3PbCl5 428 83Ke $Tl_2PbCu(NO_2)_6$ 249 Fmmm 291 Fm3m 81Pet TlPr(MoO₄)₂ Pcan ? ? 77K1 Pnnn P2₁2₁2₁ ? Pnca 81Ke T1₂S₅ TISCN Pbcm 367 tetr. 91SaB; PH. 2 TlSbSe₂ monocl. ? Cmcm? 653 Cmcm? 89Was ortho. Tl3ScF6 I4/mmm 358 P4/nmc 370 Fm3m 91Ch T1Sc(MoO₄)₂ ? P3m1 Pcmn 77K1 TlSe I4/mmm 460 cubic TA. 2 P2₁2₁2₁ 72 Tl₂SeO₄ Pnma 83Gr TISm(MoO₄)₂ Pcan ? Pnnn ? ? 77K1 T1Tb(MoO₄)₂ Pcan Pnnn ? ? 77K1 TlTiOPO₄ Pna2 852 Pnam 89MaB T12T10H(SO4)2 C2/c Сс 377 83Ab $T1Tm(MoO_4)_2$ Pccm ? Pcmn 77K1 ? monocl. T12W04 310 ? 284 hex. ? 835 LB. 16b T1Y(MoO₄)₂ Pcan ? 77K1 TlYb(MoO₄)₂ monocl. ? Pccm ? Pcmn 77K1 160 P2 Tl2ZnI4 212 P2₁/m 85Ge1 TmAsO₄ ortho. ? tetr. 73Lu Tm2BaNiO5 Pnma 1550 Immm 91 TmCd tetr. 3 Pm3m 73Lu TmF₃ 1303 C3m1 73So Pnma

P. E. TOMASZEWSKI

TmGa ₃	?	4	cubic			89Dou
TmMnO ₃	P6 ₃ cm	573	?			LB. 16a
Tm203	Ia3	2553	hex			LB. 7b1
TmVO ₄	ortho.	2	tetr.			86Ka
TmZrF ₆	P2 ₁	1123	cubic			73Pou
0	1					
υ	inc.	22	monocl.	37	Pmcm(1/2β	y)
		43	Cmca	935	P4 ₂ /mnm	
		1045	Im3m	1405	?	87aa;90Mar
UB ₂ C	Pmma	1950	RЗm			91Ro
UC ₂	I4/mmm	2073	Fm3m			81Ke; PH. 2
U(C ₅ H ₅)Cl	monocl.	78	monocl.	230	P12 ₁ /n1	90Ra
UMn ₂	Imma	220	Fd3d		•	85La
UMn ₂ Ge ₂	?	150	I4/mmm?	390	?	89Bu1; PH. 3
UMn ₂ Si ₂	?	80	I4/mmm?	377	?	89Bu1; PH. 3
UO ₂	?	30	Fm3m			81Sa
$v_4 \bar{o}_9$	trig.	338	1 4 3d			89La
UO ₂ (OH) ₂	Cmca	278	Pbca			72Ta
UPd ₃	?	6	P6 ₃ /mmc			90Si;PH.3
•			J			
	_ =		_			
VF ₃	R3c	773				90Da1
V ₃ Ga	tetr.		cubic			76I <i>z</i>
V ₅ Ge ₃	P6 ₃ /mcm	?	I4/mcm			81Ke
V ₂ Hf	Imm2	120	cubic	520	?	761z; 89Jai
vo ₂	P2 ₁ /c	340				84Bou
¹ ^V 2 ⁰ 3	12/a	398	R3c			84Bou
¹ V ₃ 0 ₅	P2/c	423	I2/c			85As
^V 4 ⁰ 7	?	250	A1			76Pi
^V 5 ⁰ 9	P1	130	B1			81Ke; 91LaP
^V 6 ⁰ 11	?	170				81Ke; PH. 1
^V 6 ⁰ 13	monocl.	173	C2/m			LB. 7b1
^V 8 ⁰ 15	?	70	?			81Ke
VOPO4	P4/n	?	ortho.			90Bar
VRu	tetr.	>110	cubic			76Iz
VS	Pcmn	?	P6 ₃ /mmc			PH. 3
			-			

(continued)

*	v ₃ si	P4 ₂ /mmc	21	Pm3n			880t
	V ₅ Si ₃	? _	?	I4/mcm			81Ke
	V ₃ Te ₄	I2/m	1000	P3m1			890h
	V ₂ Zr - see: ZrV ₂						
	W	Pm3n -	?				PH. 3
	w ₂ c			P6 ₃ /mmc			PH. 2
	WF ₆	Pnma	265				LB.7a
	MO ³	Pc		ΡĪ		_	
					1013	P4/nmm	
					1503	tetr.	LB. 16a
	WP ₂	C2/m	?	Cmc2			81Ke
	XeF ₆	P2 ₁ /b	254	Pnma	292	P2 ₁ /m	LB. 7a
*	Y	P6 ₃ /mmc					61Sp
	YA1 ₃	P6 ₃ /mmc			1223	Pm3m	67Ba; 89Xu
	YC	R3m		Fm3m			PH. 2
	YC ₂	I4/mmm		Fm3m			81Ke
	YF ₃	Pnma	1325	C3m1			73So
	Y2Fe14B	P4 ₂ /mnm	580	tetr.			85An1
	^Y 6 ^{Mn} 23 ^D 23	P4/mmm	175	Fm3m			84
*	YMn0 ₃	P6 ₃ cm	913	P6 ₃ /mcm			LB. 16a
	YNbO ₄	C2/c	1093	4/m			84Ku
	YSi ₂	Imma	?	$I4_1/amd$			81Ke
	YTaO ₄	P2/a	?	14 ₁ /a			67Wo
	Y3 ^{TaO} 7	C222 ₁	1873	cubic			79Al
	Y2W06	P2/c	1753	P2 ₁ 2 ₁ 2 ₁	1870	P42 ₁ m	89TyE
*	Yb on heating:	Fm3m	1071	I m3m			
	on cooling:	Fm3m	533	P6 ₃ /mmc	973	Im3m	61Sp
	YbF ₃	Pnma	1258	C3m1			73So
	YbMnO ₃	P6 ₃ cm	993	?			LB. 16a
	YbNbO ₄	C2/c	1098	4/m			84Ku
	YbZrF ₆	P2 ₁	1073	cubic			73Pou

	 .						
•	Zn ₃ As ₂	I4 ₁ cd	457	P4 ₂ /nbc	945	Fm3m	78Iz
	Zn ₃ B ₇ O ₁₃ Br	ortho.	585	cubic			LB. 16a
	Zn ₃ B ₇ O ₁₃ C1	trig.		monocl.	567	Pca2	
			786	F43c			LB. 16a
	Zn ₃ B ₇ O ₁₃ I	ortho.	690	cubic			LB. 16a
	ZnCl ₂	monocl.	390	tetr.			TA. 1
	ZnGeAs ₂	1 4 2d	?	4 3m			76Pi
	ZnGeP ₂	1 4 2d	?	4 3m			76Pi
	ZnMn ₃ C	P4/mmm	233	Pm3m			72Bar; PH. 2
	Zn(NO ₃) ₂ .6H ₂ 0	tricl.	?	I4 ₁ /and			
		tricl.	>107	monocl.	>123	monocl.	
			292	Pnma			89Но
	ZnP ₂	P4 ₁ 2 ₁ 2	310	P2 ₁ /c	370	monocl.	90Zu
*	Zn ₃ P ₂	P4 ₂ /nmc	1053	Fm3m			781z
	Zn2P2O7	Ic	405	monocl.	428	C2/m	65Ca
	Zn ₃ (PO ₄) ₂	C2/c	1215	?			86To
*	ZnS	F43m	1297	P6 ₃ mc			PDF
	ZnSnAs ₂	1 4 2d	?	F43m			76Pi
	ZnSnP ₂	1 4 2d	?	F43m			76Pi
	ZnTiF ₆ . 6H ₂ O	P2 ₁ /c	186	R3			88Ch
	ZnZrF ₆	R3	300	Fm3m			89Ro
*	Zr	P6 ₃ /mmc	1140	Im3m			56Me
	ZrAl ₃	Pm3m	783	I4/mmm			89Xu
	ZrF ₄	P2 ₁ /m	738	C2/c	958	?	LB. 7a
	Zr(MoO ₄) ₂	C2/c	913	P31c			88K1G
*	ZrO ₂	P2 ₁ /c	1273	P4 ₂ /nmc	2573	Fm3m	89Ne
	Zr (SO ₄) ₂ . H ₂ O	Pī	>320	P2 ₁ /c			70Bae
	ZrSi	?	?	Cmcm			81Ke
*	ZrV ₂	R3	120	Fd3m			85Yar; PH. 3

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