STRUCTURE REPORTS

Volume 58A

METALS AND INORGANIC INDEXES

SUBJECT/FORMULA INDEXES (1913-1990)

General editor

G. Ferguson

with the assistance of

J. Trotter

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ARRANGEMENT

Each entry gives the name, formula (except for metallic structures, where only the formula is given), and *Strukturbericht* and *Structure Reports* references. Only those substances are listed for which the crystal structures (or molecular structures for the gas phase) have been completely determined, including the values of variable positional parameters. In the references the first numeral, and any numeral which follows a semi-colon (;) are volume numbers, and the other numerals are page numbers.

The classifications schemes are:

METALS INDEX , 1913-1990 (Page 1)

The entries are listed under the classifications:

Elements Binary alloys Ternary alloys	Within each of these classifications the entries are sorted alphabetically on formula.
Hydrides Borides Carbides Silicides Nitrides Phosphides Arsenides Sulphides Sulphide minerals Selenides Selenide minerals Tellurides Tellurides minerals	Within each of these classifications the entries are sorted alphabetically on formula for the elements other than that of the classification. Minerals are listed with chemically similar materials, except for separate lists of sulphide, selenide, and telluride minerals. There is a separate alphabetic Mineral Index (page 457).

METALS STRUCTURE-TYPE INDEX, 1913-1990 (Page 73)

The metal structures are listed in order of the Pearson Structure-Type Codes, which give the crystal system, Bravais lattice, and number of atoms per unit cell, e.g. cF8 means cubic, face-centred, 8 atoms per unit cell (rhombohedral structures are classified as hR, with the number of atoms in the primitive rhombohedral cell). Within each code, the arrangement follows that in the main Metals Index (see above).

INORGANIC INDEX (Page 163)

The classification is based on that usually employed in the *Structure Reports* volumes. The main classification is by the anion, with a few miscellaneous types included at the beginning.

The classifications may be summarized:

Elements
H, B, C, BH, CO
N_3, NH_2, B-N, P-N, S-N
Halides, oxyhalides, cyanides
Oxides, double oxides, hydroxides
S, Se, Te
Complex anions of B; C; N, P, As; S, Se, Te; Cl, Br, I; Si

Within each classification the order is based on the groups in the Periodic Table, i.e. alkali metals, alkaline earths etc.

MINERAL INDEX, 1913-1990 (Page 457)

The minerals in the Metals and Inorganic Indexes are listed together in alphabetical order.

See Volume **47A**, pages VII-IX for further details.

TABLE OF CONTENTS

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METALS INDEX (1913-1990)

The entries are listed under the classifications: elements, binary alloys, ternary alloys (sorted alphabetically on formula), hydrides, borides, carbides, silicides, nitrides, phosphides, arsenides, sulphides, sulphide minerals, selenides, selenide minerals, tellurides, telluride minerals (sorted alphabetically on formula of the elements other than that of the classification, and alphabetically by name for the minerals). Multiple entries indicate different crystal structures.

ELEMENTS

BINARY ALLOYS

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