

STN Index Series, No. 1: Element Index

by Dana L. Roth

The **Element Index to Chemistry Reference Works** is designed to provide assistance in locating information on the chemical elements and their inorganic and organometallic compounds.

Rare earth elements, rare gases (except radon) and the transuranium elements (except plutonium) are indexed as a group, while ammonia, ozone, deuterium and tritium are treated as elements. For example, the entry for cobalt is interpreted as follows:

A paragraph on cobalt is found on page 272 of the **Merck Index** (1). The toxic properties of cobalt are described in the **Hygenic Guide Series** (2) and cobalt is assigned system number 58 in the **Gmelin Handbuch** (3). Cobalt and its complex ions are described in volumes 17,2 and 18 of **Pascal** (4) and the analytical chemistry of cobalt is given in volume 2 of **Kolthoff** (5). The properties of cobalt as a metallic industrial material are described in **Landolt-Börnstein** (6) page B279, and the organometallic compounds of cobalt are described in volumes 5 and 6 of the main supplement to **Gmelin** (7). Additional sources which were consulted in compiling this index were the supplements to **Mellor** (8) and the volumes of **Elsevier's Monographs on Toxicology** (9) which deal with specific elements.

LITERATURE CITED

1. MERCK INDEX, 8th ed., Raway, N.J. 1968
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3. GMELIN'S HANDBUCH DER ANORGANISCHEN CHEMIE, 8th ed., Verlag Chemie GMBH, Weinheim, 1922-
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5. Kolthoff, I. M., TREATISE ON ANALYTICAL CHEMISTRY, pt. 2; ANALYTICAL CHEMISTRY OF THE ELEMENTS, Interscience-Wiley, N.Y., 1961-
6. Landolt-Börnstein, ZAHLENWERKE UND FUNKTIONEN AUS PHYSIK, CHEMIE, ASTRONOMIE, GEOPHYSIK UND TECHNIK; v. 4, pt. 2, METALLIC INDUSTRIAL MATERIALS, 6th ed., Springer-Verlag, Berlin, 1963-65
7. GMELIN'S HANDBUCH DER ANORGANISCHEN CHEMIE; MAIN SUPPLEMENT TO THE EIGHTH EDITION, Verlag Chemie GMBH, Weinheim, 1970-
8. Mellor, J. W., COMPREHENSIVE TREATISE ON THEORETICAL AND INORGANIC CHEMISTRY, SUPPLEMENT, J. Wiley, N.Y., 1956-
9. ELSEVIER'S MONOGRAPHS ON TOXIC AGENTS:
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ACTINIUM(18) GM(40) PA(7,2) KO(6)
 ALUMINUM(42) HG GM(35) PA(6) KO(4) LB(C53)
 AMMONIA(64) HG GM(23) PA(10) ME(8,1)
 ANTIMONY(90) HG GM(18) PA(11) LB(B891)
 ARSENIC(101) HG AS GM(17) PA(11)
 ASTATINE(108) PA(16) KO(6) ME(2,1)
 BARIUM(119) HG GM(30) PA(4) KO(4)
 BERYLLIUM(143) HG TB GM(26) PA(4) KO(6) LB(C25)
 BISMUTH(154) GM(19) PA(11) KO(8) LB(B963)
 BORON(161) GM(13) PA(6) KO(12)
 GMS(13) GMS(15)
 BROMINE(165) HG GM(7) PA(16) KO(7,14) ME(2,1)
 CADMIUM(186) HG GM(33) PA(5) KO(3) LB(B926)
 CALCIUM(189) GM(28) PA(4) KO(4)
 CARBON(207) GM(14) PA(8,1) KO(11)
 CESIUM(224) GM(25) PA(3) KO(1)
 LB(C322) ME(2,2)
 CHLORINE(236) GM(6) PA(16) KO(7,14) ME(2,1)
 CHROMIUM(257) GM(52) PA(14) KO(8)
 LB(B260) GMS(3)
 COBALT(272) HG GM(58) PA(17,2/18) KO(2)
 LB(B279) GMS(5,6)
 COPPER(284) GM(60) PA(3) KO(3)
 LB(639) PA(20)
 DEUTERIUM(333) PA(1)
 FLUORINE(463) HG TP GM(5) PA(16) KO(7,12)
 ME(2,1) GMS(9,12)
 FRANCIUM(470) PA(3) KO(1,6) MG(2,2)
 GALLIUM(480) GM(36) PA(6) KO(2)
 GERMANIUM(487) GM(45) PA(8,3) KO(2)
 GOLD(503) GM(62) PA(3) KO(4) LB(B576)
 HAFNIUM(514) GM(43) PA(9) KO(5)
 LB(C569) GMS(11)
 HYDROGEN(543) GM(2) PA(1) KO(1,11)
 INDIUM(564) GM(37) PA(6) KO(2)
 IODINE(569) HG GM(8) PA(16) KO(7,14) ME(2,1)
 IRIDIUM(576) GM(67) PA(19) KO(8)
 IRON(576) GM(59) PA(17,1) KO(2) LB(A121)
 PA(18) GMS(14)
 LEAD(611) HG GM(47) PA(8,3) KO(6) LB(B933)
 LITHIUM(621) GM(20) PA(2,1) KO(1)
 LB(C322) ME(2,2)
 MAGNESIUM(635) GM(27) PA(4) KO(3) LB(C280)
 MANGANESE(642) HG GM(56) PA(16) KO(7) LB(B568)
 MERCURY(662) HG GM(34) PA(5) KO(3) TM
 MOLYBDENUM(698) HG GM(53) PA(14) LB(B181)
 NICKEL(727) HG GM(57) PA(17,2/18) KO(2) LB(B307)
 NIOBIUM(733) GM(49) PA(12) KO(6) LB(B212)
 NITROGEN(738) GM(4) PA(10) KO(5,11) ME(8,1-2)
 OSMIUM(769) HG GM(66) PA(19) KO(8)
 OXYGEN(775) GM(3) PA(13,1) KO(12)
 OZONE(777) HG PA(13)
 PALLADIUM(778) GM(65) PA(19) KO(8)
 PHOSPHORUS(824) GM(16) PA(10) KO(5,11) ME(8,3)
 PLATINUM(842) GM(68) PA(19) KO(8)
 PLUTONIUM(842) PA(15) KO(9) GMS(4) LB(C452)
 POLONIUM(846) HG GM(12) PA(13,2) KO(6)
 POTASSIUM(851) GM(22) PA(2,2) KO(1) ME(2,2)
 PROTACTINIUM(879) GM(51) PA(12) KO(6)
 RADIUM(909) GM(31) PA(4) KO(4)
 RADON(909) HG GM(1) PA(1) KO(1,4) GMS(1)
 RARE EARTHS(A) GM(39) PA(7) KO(8) LB(C607)
 RARE GASES(B) GM(1) PA(1) KO(1) GMS(1)
 RHENIUM(915) GM(70) PA(16) KO(7) LB(B160)
 RHODIUM(917) GM(64) PA(19) KO(8)
 RUBIDIUM(924) GM(24) PA(3) KO(1)
 LB(C322) ME(2,2)
 RUTHENIUM(926) GM(63) PA(19) KO(8)
 SELENIUM(940) HG GM(10) PA(13,2) KO(7)
 SILICON(945) GM(15) PA(8,2) KO(2,12)
 SILVER(947) GM(61) PA(3) KO(4)
 LB(B576) PA(20)
 SODIUM(952) GM(21) PA(2,1) KO(1) ME(2,2)
 STRONTIUM(986) GM(29) PA(4) KO(4)
 SULFUR(1004) GM(9) PA(12) KO(6) LB(B169)
 TANTALUM(1012) GM(50) PA(12) KO(6) LB(B169)
 TECHNETIUM(1016) GM(69) PA(16) KO(6)
 TELLURIUM(1017) HG GM(11) PA(13,2) KO(7)
 THALLIUM(1031) GM(38) PA(6) KO(2) TH
 THORIUM(1047) HG GM(44) PA(9) KO(5) LB(C587)
 TIN(1053) GM(46) PA(8,3) KO(3) LB(B966)
 TITANIUM(1054) HG GM(41) PA(9) KO(5) LB(C1)
 TRANSURANIUM ELEMENTS(C) PA(15) KO(9) GMS(4)
 GMS(7,8)
 TRITIUM(1082) PA(1) KO(1)
 TUNGSTEN(1087) GM(54) PA(14) LB(B145)
 URANIUM(1093) HG GM(55) PA(15) KO(9) LB(C369)
 VANADIUM(1100) VT GM(48) PA(12) KO(8)
 LB(244) GMS(2)
 ZINC(1127) GM(32) PA(5) KO(3) LB(B895)
 ZIRCONIUM(1131) HG GM(42) PA(9) KO(5)
 LB(C459) GMS(10)

104-105(405) PA(15,5)

KEY TO ABBREVIATIONS

A — SCANDIUM, YTTRIUM AND THE ELEMENTS OF
 ATOMIC NUMBER 57-71
 B — HELIUM NEON ARGON KRYPTON XENON
 C — NEPTUNIUM AND THE ELEMENTS OF ATOMIC
 NUMBER GREATER THAN 94
 AS — TOXICITY OF ARSENIC COMPOUNDS
 GM — GMELIN'S HANDBUCH DER ANORGANISCHEN
 CHEMIE, 8TH EDITION
 GMS — GMELIN'S HANDBUCH . . . MAIN SUPPLEMENT
 HG — HYGENIC GUIDE SERIES
 KO — KOLTHOFF'S TREATISE ON ANALYTICAL CHEM-
 ISTRY, PART 2
 LB — LANDOLDT-BORNSTEIN, 6TH EDITION, V.4,PT.2
 ME — MELLOR'S COMPREHENSIVE TREATISE . . .
 SUPPLEMENT
 PA — PASCAL'S NOUVEAU TRAITE DE CHIMIE
 MINERALE
 TB — TOXICITY OF BERYLLIUM COMPOUNDS
 TH — THALLIUM POISONING
 TM — TOXICITY OF MERCURY AND ITS COMPOUNDS
 TP — TOXIC PROPERTIES OF INORGANIC FLUORINE
 COMPOUNDS
 VT — VANADIUM; TOXICOLOGY AND BIOLOGICAL
 SIGNIFICANCE

*DANA L. ROTH is sciences librarian at Cal-
 tech's Millikan Library.*