Survey of Superconductive Materials and Critical Evaluation of Selected Properties

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This publication includes all data on superconductive materials intercepted through March 1975. Data on the bulk elements have been critically evaluated, and values on alloys, compounds, and other forms have been selected and condensed to indicate the probable value and spread of values observed. Proven non-superconductors have been noted. Conflict in data values has been noted. All data have been keyed to the literature in one or more of the tables. Special subdivisions are presented for superconductive materials with organic constituents and for those based on semiconductive materials. The properties presented are superconductive critical temperature, critical magnetic fields, material state and composition including crystal-structure type where noted, a key to thin-film forms, and the presence of thermodynamic data (generally the electronic specific heat, γ, and Debye θ). High-magnetic-field superconductors are noted with listing of H_{c_1}, H_c, H_{c_2}, and H_{c_3} plus the temperature of observation T_{obs}.

Key words: Bibliography; composition; critical fields; critical temperature; crystallographic data; low temperature; superconductive materials; superconductivity.

Contents

1. Introduction

The world knowledge of superconductive materials has become voluminous and complex in the last fifteen years, driven by both scientific curiosity and technological application and anticipation of greater general practical usage. This survey attempts to cover all known superconductive materials, including special forms such as very thin films deposited at very low temperatures and finely subdivided superconductors such as those dispersed in glass. The coverage has been comprehensive and either notes conflicting findings or includes them in the references. The user would be wise to explore the first few references to a material that has been multiply studied. A single reference implies a single measurement.

All data previously compiled and published in General Electric Corporate Research and Development reports MB-36 (August 1959), 61-RL-2744M (June 1961), 63-RL-3252 M (March 1963); Progress in Cryogenics IV, 160–231 (1964) (also published in "New Materials and Methods of Investigating Metals and Alloys," Editor I. I. Kornilov, Baikov Institute of Metallurgy, Moscow, 1966, pp. 1–98); National Bureau of Standards Technical Notes 408 (September 1966), 482 (May 1969), 724 (June 1972), 825 (April 1974), and subsequent additional data collected by the Superconductive Materials Data Center have been included.

Much of the world literature was covered through various translation paths including the author's limited skills. Errors introduced inadvertently through translation and all others are greatly regretted by the author, and hopefully readers will point these out to be corrected in the future.

2. General Properties of Superconductors[1]

The historically first observed and most distinctive property of a superconductive body is the near total loss of resistance at a critical temperature T_c characteristic of each material. Figure 1 illustrates schematically, two types of possible transitions. The sharp vertical discontinuity is indicative of that found for a single crystal of a very pure element or one of a few well annealed alloy compositions. The broad transition, illustrated by broken lines, is typical of the transition shape seen for materials which are inhomogeneous or contain unusual strain distributions. The temperature interval, over which the transition between the normal and superconductive states takes place, may be of the order of as little as 2×10^{-5} K or several K in width, depending upon the material state. The narrow transition width was observed in 99.9999% purity gallium single crystals.

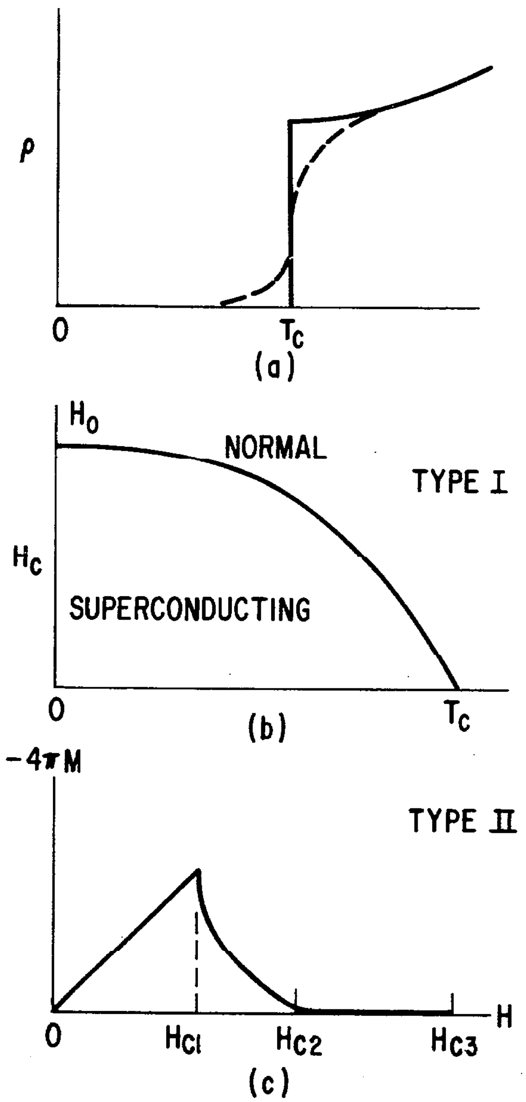

FIGURE 1. Physical properties of superconductors. (a) Resistivity versus temperature for a pure and perfect lattice (solid line). Impure and/or imperfect lattice (dashed line). (b) Magnetic field-temperature dependence for Type I or "soft" superconductor. (c) Schematic magnetization curve for "hard" or Type II superconductor.

Careful testing of the resistivity limit for superconductors has shown that it is less than 4×10^{-25} ohm-m, while the lowest normal state resistivity observed in metals is of the order of 10^{-15} ohm-m. Comparison of the resistivity of a superconductive body to that of copper at room temperature reveals that the superconductive body is at least 10^{17} times less resistive.

A Type I superconductive body, as exemplified by many pure metals, exhibits perfect diamagnetism (the Meissner state) below T_c and excludes a magnetic field up to some critical field H_c, whereupon it reverts to the normal state as shown in the H-T diagram of figure 1.

The discovery of the high-magnetic-field large-current-carrying capability of Nb_3Sn and other compounds and alloys has led to an extensive study of their physical properties. In brief, a high magnetic field superconductor, or Type II superconductor, passes from the perfect diamagnetic state at low magnetic fields to a mixed state and finally to a sheath state before attaining the normal resistive state of the metal. The magnetization of a typical high-field superconductor is shown in figure 1. The magnetic field values separating the four stages are given as H_{c1}, H_{c2}, and H_{c3}. The superconductive state below H_{c1} is perfectly diamagnetic and identical to the state of most pure metals of Type I. Between H_{c1} and H_{c2} a "mixed state" is found in which magnetic flux penetrates the superconductor in a nonuniform manner. Specifically, a lattice array of supercurrent vortices is formed, the magnetic flux contained within each vortex cell being equal to the magnetic flux quantum ($\sim2\times10^{-7}$ gauss cm^2). At H_{c2} the fluxon density has become so great as to drive the interior volume of the material completely normal. Between H_{c2} and H_{c3} the superconductor has a sheath of current-carrying superconductive material at its surface, and above H_{c3} the normal state exists throughout the material. With careful measurement, it is possible to determine H_{c1}, H_{c2}, and H_{c3}. Table 5 contains data on high field superconductive materials.

A more complete representation of the states present in a high field superconductor is given in figure 2 with

[1] The physics, chemistry, and metallurgy of superconductors is a complex and sometimes subtle subject. Therefore, readers are referred to the many texts and review articles listed in section 8 for complete and additional information. "Superconductivity" by E. A. Lynton (Metheun and Co., London; John Wiley and Co., New York) is a brief and useful introduction. For additional general information see "Superconducting Materials" by E. M. Savitskii, V. V. Baron, Yu. V. Efimov, M. I. Bychkova, and L. F. Myzenkova (Plenum Press, New York-London, 1973); an updated translation of "Metallovedenie Sverkhprovodyashchikh Materialov" (Nauka Press, Moscow, 1969); "The Science and Technology of Superconductivity" Vol. 1 and 2, edited by W. D. Gregory, W. N. Mathews, Jr., and E. A. Edelsack (Plenum, New Yrok-London, 1973) and "The Effect of Metallurgical Variables on Superconducting Properties", J. D. Livingston and H. W. Schadler in Progr. Materials Sci. (G.B.), Vol. 12, No. 3, 185–274 (1964). For theoretical aspects start with "Superconductivity", Vols. 1 and 2, edited by R. D. Parks, (Marcel Dekker, New York, 1969).

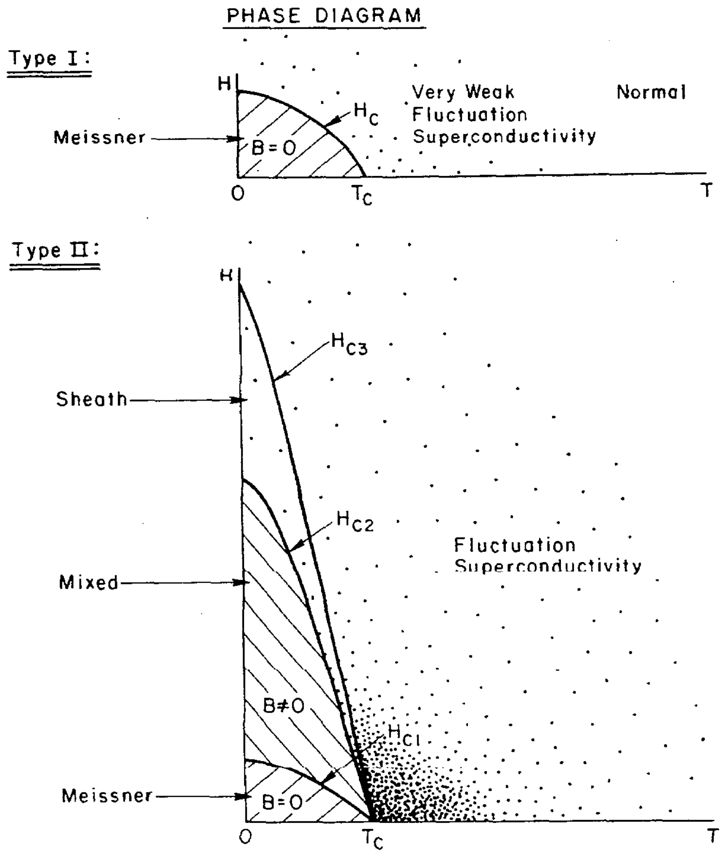

FIGURE 2. *H-T* phase diagram representation of Type I and Type II superconductors with locations for fluctuation superconductivity indicated. (R. R. Hake, personal communication and J. Applied Phys. **40**, 5148 (1969). "The Thermodynamics of Type I and Type II Superconductors.")

the additional phenomenon called fluctuation superconductivity. The latter phenomenon is evidenced in several physical properties above the appropriate critical fields and critical temperatures.

High field superconductive phenomena are also related to specimen dimension and configuration. For instance, the Type I superconductor, Hg, has entirely different magnetization behavior in high magnetic fields when contained in the very fine set of filamentary tunnels in an unprocessed Vycor glass. The great majority of superconductive materials are Type II. Most, but not all, elements in very pure form are Type I.

A further complication exists in the description of superconductive materials. In some instances a transition from Type II behavior to Type I behavior occurs as temperature is increased between absolute zero and T_c.

This survey has included the parameters T_c, H_c, H_{c1}, H_{c2}, H_{c3}, and has noted the crystal structure by code or crystal system. The values of H_c are sometimes noted to be taken at a specific temperature below T_c and denoted T_{obs}. H_0 is H_c extrapolated to 0 K. Methods of extrapolation are critical in the case of high-magnetic-field parameters H_{c1}, H_{c2}, and H_{c3}.

Suggestions have been made to include additional parameters which are beyond the scope of this effort, for instance, $(dH_c/dT)|_{T_c}$, $(2\Delta T/kT_c)$, J_cH, the thermal conductivity, and normal state resistivity. For details, see the section by G. D. Cody on Superconductivity in the Report of Meeting, 28 June 1971, of the Ad Hoc Panel on Electrical Properties of Solids of The Numerical Data Advisory Board, Division of Chemistry and Chemical Technology, National Research Council.

3. Metallurgical and Solid-State Aspects of Superconductive Materials

The sensitivity of superconductive properties to the material state is most pronounced and has been used on occasion in the reverse to study and specify the detailed state of alloys. The mechanical state, the homogeneity, and the presence of impurity atoms and other electron-scattering centers are all capable of controlling the critical temperature, critical field, and the current-carrying capabilities in high magnetic fields. Well-annealed specimens usually show sharper transitions than those that are strained or inhomogeneous. This sensitivity to mechanical state underlies a general problem in the tabulation of properties of superconductive materials. The occasional divergent values of the critical temperature and of the critical fields quoted for a Type II superconductor may lie in the variation in sample preparation. Critical temperatures of materials studied early in the history of superconductivity must be evaluated in light of the probable metallurgical state of the material as well as the availability of less-pure starting elements. It has been noted that recent work has given extended consideration to the metallurgical aspects of sample preparation.

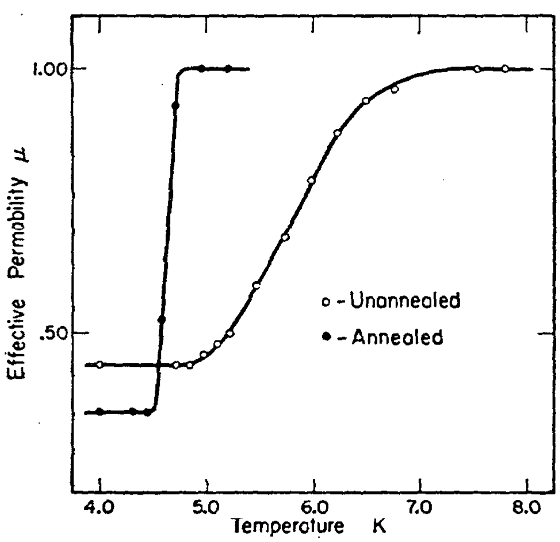

Figure 3(a). Transition curves for $Nb_{0.9}$ $Cr_{0.1}$ alloy specimen before and after annealing. (After Hulm and Blaugher.)

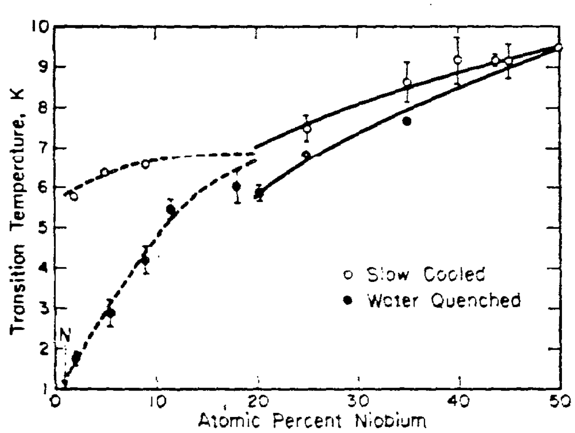

FIGURE 3(b). Transition temperature vs. composition for $Ti_{1-0.5}$-$Nb_{0-0.5}$ alloys prepared by slow cooling or water quench. (After Hulm and Blaugher.)

Figure 3(a) illustrates the effect of preparation history on the shape of the effective permeability curve through T_c of a $Nb_{0.9}Cr_{0.1}$ alloy before and after annealing, while figure 3(b) shows the $Ti_{1-0.5}Nb_{0-0.5}$ alloy series T_c versus composition for slow cooling and for a water quench (after Blaugher and Hulm, Phys. Rev. **123**, 1569 (1961)).

4. How to Use the Data Tables

Properties of the superconductive elements are covered in table 1(a) for bulk values, 1(b) for thin-film preparations, and 1(c) for high-pressure modifications and metastable forms prepared by the application of high pressure.

All metallic and inorganic materials including the elements are listed and referenced in table 2 except that superconductive materials with organic and related constituents and the semiconductive superconductors are cited and the reader is referred to tables 3 or 4 for specialized data.

Tables 1 through 4 contain references to "HF" signifying that magnetic-field data H_{c1}, H_{c2}, or H_{c3} are reported in table 5 with appropriate references to the literature.

Tables 2 through 5 list the bulk material values for alloy systems first, then results of special studies such as pressure or dispersal in porous media, and finally, thin-film data with notations of temperature of deposition and film thickness in Angstroms (Å).

The probable error limits are given for most of the bulk elements in table 1(a) and are derived from all the values collected in the data set as summarized in table 2. All collected references are presented in table 2. The procedure to determine error limits included the assembly of all acquired data on an element. Where possible, a selection was made of data obtained on samples with recorded high purity. If a sufficient number of values were available, the standard deviation was determined and listed. Error limits in a few instances were increased over the standard deviation if the element was known to be difficult of purification. Where a single value has been recorded it is listed without error limits and the significant digits published by the author are given.

In tables 2 through 5, a single reference usually implies a single parameter determination, and this value is quoted with the significant figures presented by the author. Many authors have considered the probable error in their measurements, and it is recommended that the source be consulted when possible. In heavily studied materials such as Nb and Nb_3Sn, ranges of critical temperatures and critical magnetic fields have evolved dependent upon composition, impurities, mechanical state, and other preparation variables. The first entry of a series in the respective table indicates a measured value that is thought to be the most probable value for a pure annealed element or a clean alloy of appropriate stoichiometry with an optimum anneal.

Tables 2–4 contain data on negative experiments in the column headed "T_n", which is the temperature in K down to which the material has been checked specifically for a superconductive transition without success. If a material has been found to be ferrimagnetic, antiferromagnetic, or ferromagnetic it has not been included in this survey.

All compositions are denoted on an atomic basis; i.e., one atomic weight of A and one of B to form the AB composition. Exceptions are carefully noted. Solid solutions or a range of compositions may be denoted as $A_{1-x}B_x$ or $A_xB_yC_{1-x-y}$, or by the actual atomic fraction range such as $A_{1-0.4}B_{0-0.6}$. The critical temperature or magnetic fields may then be denoted either by a range of values or a maximum value (Max.).

A continuing point of difficulty lies in the method of selecting T_c from an experimental transition measurement whether it be the change in effective permeability, resistance, optical reflectivity, electron diffraction signal, specific heat or ultrasonic absorption. Most authors choose the midpoint of the curve (fig. 1(a)), but in the search for very high T_c materials often the "onset" temperature is chosen as the critical temperature. Some authors quote the width of the transition, and where a single alloy and single reference is given a range in T_c denotes the upper and lower limits to the transition.

Table 3 contains those special superconductive materials containing organic constituents. Most of the entries are layered compounds with an intercalated organic substance. These special materials exhibit both two- and three-dimensional superconductivity and have highly anisotropic high magnetic field properties.

In some instances a single line in a table will summarize the discoveries and measurements of two or three full research papers. It is therefore probable and reasonable for the researcher to explore the original references to obtain a full background of the abstracted data.

In section 8 of this survey the reader is directed to references to extensive reviews on, for instance:

Practical superconducting materials
Superconductivity in ultra-thin films
Brillouin zone effects in . . .
The superconductive energy gap
Pressure effects in superconductors

and many other reviews with special emphasis—for instance, a review of the alloy system Nb_3Sn.

For problems in solders for low-temperature research, the paper by W. H. Warren, Jr. and W. G. Bader (Rev. Sci. Instruments **40,** 180 (1969)) is most useful. Their data are included in tables 2 and 5 under ref. [1917].

5. Symbols and Abbreviations (Relating to Tables 1 to 5)

T_n	The lowest temperature to which a material has been tested with negative results for a transition to the superconductive state.
HF	In H_0 column denotes data and/or references given on magnetic properties, H_{c1}, H_{c2}, H_{c3}, in table 5.
∇	Given in front of reference number, it denotes a thin-film study.
#	After a reference number indicates electronic specific heat, Debye theta or related parameter values are given in the reference. See end of table 1(a) for general references to these data.
n	Denotes the number of carriers per cubic centimeter in semiconductors that exhibit a superconductive state at very low temperature.
T_c' (. . .)	Denotes incremental changes in T_c from T_c of the pure metal. For example, T_c' (+0.05) denotes that two or more measurements have been made by adding a small amount of alloying element to a metal to form a dilute alloy (or mixture) and in so doing T_c has been raised by 0.05 K. T_c' (−0.03+0.14) denotes an initial decrease and then an increase to 0.14 K over the pure metal.
P	Denotes pressure (quoted in kbar; may be rounded units of katm or other unit).
ppm	Parts per million.
T_{obs}	Denotes temperature of observation of H_c, H_{c1}, H_{c2}, and H_{c3}.
oersted	Is equivalent to 79.57 amperes/meter.
RRR	Denotes "residual resistivity ratio" and is used only as an indicator of sample purity. In most cases it is the room temperature resistivity divided by the resistivity at 4.2 K. The original reference should be consulted for details.
Å	Denotes 10^{-10} m or 10^{-8} cm or one Angstrom unit.
Max.	Indicates that the value given is the maximum value of 3 or more measured values of a variable.

Crystallographic System Abbreviations

CUB	Cubic
TET	Tetragonal
HEX	Hexagonal
ORTHO	Orthorhombic

MONO Monoclinic
RHOMB Rhombohedral (sometimes described in hexagonal format)
TRI Triclinic

Crystal Structure Types

The "Strukturbericht" types are described in W. B. Pearson, *Handbook of Lattice Spacings and Structures of Metals* (Pergamon, New York, 1958), p. 79, also Vol. II (Pergamon, New York, 1967) p. 3.

"Strukturbericht" Type	Example	Class
A1	Cu	Cubic, face centered
A2	W	Cubic, body centered
A3	Mg	Hexagonal, close packed
A4	Diamond	Cubic, face centered
A5	White Sn	Tetragonal, body centered
A6	In	Tetragonal, body centered (face centered tetragonal cell usually used)
A7	As	Rhombohedral
A8	Se	Trigonal
A10	Hg	Rhombohedral
A12	α-Mn	Cubic, body centered
A13	β-Mn	Cubic
A15	"β-W"	Cubic
B1	NaCl	Cubic, face centered
B2	CsCl	Cubic
B3	ZnS	Cubic
B4	ZnS	Hexagonal
$B8_1$	NiAs	Hexagonal
$B8_2$	Ni_2In	Hexagonal
B10	PbO	Tetragonal
B11	γ-CuTi	Tetragonal
B17	PtS	Tetragonal
B18	CuS	Hexagonal
B20	FeSi	Cubic
B27	FeB	Orthorhombic
B31	MnP	Orthorhombic
B32	NaTl	Cubic, face centered
B34	PdS	Tetragonal
B_f	δ-CrB	Orthorhombic
B_g	MoB	Tetragonal
B_h	WC	Hexagonal
B_i	γ'-MoC	Hexagonal
C1	CaF_2	Cubic, face centered
$C1_b$	MgAgAs	Cubic
C2	FeS_2	Cubic
C6	CdI_2	Trigonal
$C11_b$	$MoSi_2$	Tetragonal, body centered
C12	$CaSi_2$	Rhombohedral
C14	$MgZn_2$	Hexagonal
C15	Cu_2Mg	Cubic, face centered
$C15_b$	$AuBe_5$	Cubic
C16	$CuAl_2$	Tetragonal, body centered
C18	FeS_2	Orthorhombic
C22	Fe_2P	Trigonal
C23	$PbCl_2$	Orthorhombic
C32	AlB_2	Hexagonal
C36	$MgNi_2$	Hexagonal
C37	Co_2Si	Orthorhombic
C49	$ZrSi_2$	Orthorhombic
C54	$TiSi_2$	Orthorhombic
C_c	Si_2Th	Tetragonal, body centered
$D0_3$	BiF_3	Cubic, face centered
$D0_{11}$	Fe_3C	Orthorhombic
$D0_{18}$	Na_3As	Hexagonal
$D0_{19}$	Ni_3Sn	Hexagonal
$D0_{20}$	$NiAl_3$	Orthorhombic
$D0_{22}$	$TiAl_3$	Tetragonal
$D0_e$	NiP_3	Tetragonal, body centered
$D1_3$	Al_4Ba	Tetragonal, body centered
$D1_c$	$PtSn_4$	Orthorhombic
$D2_1$	CaB_6	Cubic
$D2_3$	$NaZn_{13}$	Cubic
$D2_c$	MnU_6	Tetragonal, body centered
$D2_d$	$CaZn_5$	Hexagonal
$D5_2$	La_2O_3	Trigonal
$D5_8$	Sb_2S_3	Orthorhombic
$D5_c$	Pu_2C_3	Cubic
$D7_3$	Th_3P_4	Cubic, body centered
$D7_b$	Ta_3B_4	Orthorhombic
$D8_1$	Fe_3Zn_{10}	Cubic, body centered
$D8_2$	Cu_5Zn_8	Cubic, body centered
$D8_3$	Cu_9Al_4	Cubic
$D8_8$	Mn_5Si_3	Hexagonal
$D8_b$	CrFe	Tetragonal
$D8_f$	Ge_7Ir_3	Cubic
$D8_i$	Mo_2B_5	Rhombohedral
$D8_m$	W_5Si_3	Tetragonal
$D10_2$	Fe_3Th_7	Hexagonal
$E2_1$	$CaTiO_3$	Cubic
$E9_3$	Fe_3W_3C	Cubic, face centered
$H1_1$	Al_2MgO_4	Cubic, face centered
$L1_0$	CuAu	Tetragonal
$L1_2$	Cu_3Au	Cubic
$L2_1$	Cu_2AlMn	Cubic
L'_{2b}	ThH_2	Tetragonal, body centered
L'_3	Fe_2N	Hexagonal

6. Acknowledgments

Extensive helpful collaboration of the scientific community has contributed to the survey as initiated by the request for data by B. T. Matthias and A. B. Pippard (Phys. Chem. Solids **23**, 181 (1962)) following the International Conference on Superconductivity at IBM to the present day via contributions of unpublished data, corrections, reprints, and other information from:

Mrs. Vera B. Compton, B. T. Matthias, S. Geller, N. E. Alekseevskii, E. H. Saur, R. E. Jones, Jr., R. D. Blaugher, J. Muller, B. A. Sherwood, G. V. Samsonov, E. Bucher, J. Volger, Ch. J. Raub, B. R. Coles, K. Yasukochi, F. Galasso, A. C. Rose-Innes, A. F. Rice, R. A. Hein, W. DeSorbo, G. T. Meeden, L. E. Toth, D. C. Hamilton, E. C. van Reuth, A. L. Giorgi, E. G. Szklarz, K. Noto, H. P. R. Frederikse, S. S. Shalyt, R. M. Waterstrat, F. Hulliger, G. L. Buthrie, D. R. O'Boyle, W. J. McDonald, S. Foner, A. S. Cooper, A. G. Shepelev, T. H. Geballe, G. C. Carter, A. Echarri, H. Krebs, J. E. Cox, R. R. Hake, M. H. Van Marren, M. S. Lubell, M. B. Robin, Robert Reich, J. Wittig, R. E. Emstron, F. E. Wang, W. O. Gentry, E. E. Havinga, K. Gschneider, Jr., J. R. Gavaler, S. Methfessel, B. Stritzker, E. M. Savitskii, A. Junod, L. R. Testardi, D. Schneider, C. Rizzuto, J. F. Schooley, R. H. Hammond, M. J. Dienko, J. K. Hulm, G. D. Cody, D. E. Mapother, A. Joshi, J. Mazur, P. Spitzli, C. W. Chu, T. Ohtsuka, J. H. Westbrook, S. Ewert, T. Sambongi, P. Frank, L. Finegold, D. W. Bloom, D. S. Rodbell, J. R. Mole, D. A. Gubser, T. B. Reed, D. J. Erickson, T. H. K. Frederking, R. B. Somoano, G. J. Van Gurp, B. J. Maddock, F. R. Gamble, E. R. Ryba, R. J. Soulen, Jr., D. G. Hamblen, E. Parth'e, Y. Muto, H. Von Philipsborn, O. Rapp, A. Z. Kurmaev, M. Yamamoto and anyone inadvertently omitted.

Interested, enthusiastic, and helpful support has been the norm from the National Bureau of Standards, from E. L. Brady, G. C. Carter, David R. Lide, Jr., and especially patient L. H. Gevantman, all of the Office of Standard Reference Data.

Many helpful and conscientious colleagues of the author's laboratory have participated over the years and are to be commended including:

Ms. Marilyn Brown, Mrs. Jean Slaggie, Mrs. Ethel Fontanella, Mrs. Mary De Orr King, Mrs. Joan Wolfe, Miss Mary Marquis, Miss Claudia Gnoinski, Miss Vera O. Chase, Mrs. June Falcone, Mrs. Marie Lombardi, Mrs. Barbara Fisher, S. L. Decker, Fred Cox, Miss Helen Wilford, W. G. Moffatt, A. J. Peat, N. T. Parascandola, Mrs. Mona Como, Mrs. Betty Byster, and Joseph Pauze and all of his girls.

TABLE 1(a). Properties of the Superconductive Elements (See Table 2 for References, Crystal Structure Data, and Parameters of Non-Superconductive Elements where Tested)

Element	T_c(K)	H_o(oersted)	θ_D(K)[b]	γ(mJmol^{-1}K^{-1})[b]
Al	1.175±0.002	104.9±0.3	420	1.35
Be	0.026			0.21
Cd	0.517±0.002	28±1	209	0.69
Ga	1.083±0.001	59.2±0.3	325	0.60
Ga (β)	5.9, 6.2	560		
Ga (γ)	7	950, HF[a]		
Ga (Δ)	7.85	815, HF		
Hf	0.128			
Hg (α)	4.154±0.001	411±2	87, 71.9	1.81
Hg (β)	3.949	339	93	1.37
In	3.408±0.001	281.5±2	109	1.672
Ir	0.1125±0.001	16±0.05	425	3.19
La (α)	4.88±0.02	800±10	151	9.8
La (β)	6.00±0.1	1096, 1600	139	11.3
Lu	0.1	<400		
Mo	0.915±0.005	96±3	460	1.83
Nb	9.25±0.02	2060±50, HF	276	7.80
Os	0.66±0.03	70	500	2.35
Pa	1.4			
Pb	7.196±0.006	803±1	96	3.1
Re	1.697±0.006	200±5	415	2.35
Ru	0.49±0.015	69±2	580	2.8
Sn	3.722±0.001	305±2	195	1.78
Ta	4.47±0.04	829±6	258	6.15
Tc	7.8±0.1	1410, HF	411	6.28
Th	1.38±0.02	160±3	165	4.32
Ti	0.40±0.04	56	415	3.3
Tl	2.38±0.04	178±5	78.5	1.47
V	5.40±0.05	1408	383	9.82
W	0.0154±0.0005	1.15±0.03	383	0.90
Zn	0.850±0.01	54±0.3	310	0.66
Zr	0.61±0.15	47	290	2.77
Zr (ω)	0.65, 0.95			

[a] HF denotes high field superconductive properties. See Table 5.
[b] For a complete data set, see Phillips, N.E., Critical Reviews in Solid State Sciences 2, 467-554 (1972), "Low Temperature Heat Capacity of Metals." Also Mendelssohn, K., in Cryophysics (Interscience, New York, 1960), p. 178, Gschneidner, K.A. Jr., in Solid State Physics 16, 275-426 (1964), Parkinson, D.H., Rep. Progr. Phys. 21, 226 (1958) and Heiniger, F., Bucher, E., and Muller, J. "Low Temperature Specific Heat of Transition Metals and Alloys" Phys. Kondens. Materie 5, 243-284 (1966).

TABLE 1(b). Range of Critical Temperatures Observed for Superconductive Elements in Thin Films Condensed Usually at Low Temperatures (See Table 2 for Data and References and Table 5 for "HF" High Field Magnetic Property Data)

Element	T_c Range (K)	H_o (oersted)
Al	1.15-~5.7	HF[a]
Ba	3.0	HF
Be	5-9.75	HF
(with KCl)	6.5-10.6	HF
(with zinc etio-porphyrin)	10.2	
Bi	6.17, 6.13-2.3, ~5-~2	
Ca	4.2	HF
Cd		
(Disordered)	0.79-0.91	
(Ordered)	0.53-0.59	
Ga	2.5-8.5	HF
In	3.43-4.65	HF
La	3.55 4.9, 5.0-6.74	
Mg	5.5	HF
Mo	3.3-3.8, 4-6.7	
Nb	6.3-10.1	
Pb	~2-7.5	
Re	1.7-~7	
Sn	3.5-~6	
Sr	3.6	HF
Ta	<1.7-4.51	HF
Tc	4.6-7.70	
Ti	1.3 Max	
Tl	2.33-2.96	
V	1.8-6.02	
W	<1.0-4.1	
Zn	0.77-1.70, ~1.9	

[a]HF denotes high magnetic field superconductive properties in Table 5.

TABLE 1(c). Elements Exhibiting Superconductivity Under or After Application of High Pressure (See Table 2 for References, Table 5 for "HF" High Magnetic Field Properties)

Element	T_c Range(K)	Pressure (kbar)[b]
As	0.31-0.5	220-140
	0.2-0.25	~140-100
Ba II	~1-1.8	~55-85
III	1.8-5	~85-144
IV	4.5-5.4	144-190
Bi II	3.9	25-27
III	6.55, 7.25	~37, 27-28
IV	7.0, 8.7-6.0	43, 43-62
V	6.7, 8.3	68, 81
VI	8.55	90, 92-101
VII(?)	8.2	30
Ce	1.7	50
Cs V	~1.5	>125
Ga II	6.38	≥35
II'	7.5	≥35 then P removed
Ge	5.35	115
La	~5.5-11.93	0-~140
Lu	~0.6-<0.018	145-80
P	5.8	170
Pb II	3.55	160
Re II	2.3 Max.	"Plastic" compression
Sb(Prepared 120 kbar, held below 77K)	2.6-2.7	
Sb III	3.55-3.40	85 -~150
Se II	6.75, 6.95	~130
Si	6.7-7.1	120-130

TABLE 1(c) (Cont'd). Elements Exhibiting Superconductivity Under or After Application of High Pressure

Element	T_c Range (K)	Pressure (kbar)[b]
Sn II	5.2-4.85	125-160
III	5.30	113
Te II	2.05	43
	3.4	50
III	4.28-4.15	68-80
IV	4.3-3.3	80-100
( )	3.3-2.8	100-260
Tl (cubic form)	1.45	35
(hexagonal form)	1.95	35
U	2.4-0.4	10-85
Y	2.3-1.7-2.5	110-125-160
Zr (omega form, metastable)	1-1.7	60-~130

[b] 1 kbar - 10^8 newton/meter^2 = 0.987 katm

TABLE 2. Properties of Superconductive Materials (including proven non-superconductors)

Note: "HF" Signifies high magnetic field data in Table 5.

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
Ag (99.999%)			A1	0.002	1617 1830 270
Ag (proximity effect)					1633
$Ag_{3.3}Al$; Ag_3Al			Like A13	0.34	486 084
$Ag_{0.70-0.60}Al_{0.30-0.40}$	0.11-0.135-0.09		HEX		1617
$Ag_{0.167}Al_{0.833}$	0.88 (Quench) 0.84-0.86(Anneal)	HF			1413 1766
$Ag_{0.002}Al_{0.998}$	1.128				1895
$Ag_{0-0.101}Al_{1-0.9}$	T_c'(-0.25)	HF			1846
$Ag_{0-0.002}Al_y$	T_c'(-0.0543)				319 320 ∇235
$Ag_{1-0}Al_{0-1}Th_2$	2.2-0.1		C16		1377
$Ag_xAl_yZn_{1-x-y}$	0.5-0.845				624
$Ag_{0.91}As_{0.09}$				1.32	084
$Ag_7BF_4O_8$	0.15		CUB		605
Ag_5Ba			$D2_d$	0.34	486
Ag_2Be				1.28	011
$AgBe_2$				1.4	1769
$Ag_{0.01-0.05}Be_{0.99-0.95}$ (arc melt)				0.45	1057
$Ag_{0-1}Be_{13}Re_{1-0}$	<9.9				1769
AgBi				1.32	084
Ag_2Bi				1.28	011
AgBi				1.28	011
$AgBi_2$	3.0-2.78				606
$Ag_{0.15}Bi_{0.85}$ (Deposited at 4K)	5.3, 5.1				∇1867
Ag_5Cd_8				1.28	084
$Ag_{0.6}Cd_{0.4}$			A1	0.014	1617
$Ag_{0.05}Cd_{0.95}$(weight fraction)				1.3	1917
$Ag_{\sim0.4}Cd_{\sim0.21}Cu_{\sim0.18}Ni_{0.0001}Zn_{\sim0.2}$	0.0644	6.2 (at 0.033K)			1864
$Ag_{0.04}Cd_{0.784}Cu_{0.01}Zn_{0.166}$ (weight fraction)				1.3	1917
$Ag_{0.035}Cd_{0.01}Sn_{0.955}$ (weight fraction)	3.65	HF			1917
$Ag_{0.05}Cd_{0.784}Zn_{0.166}$ (weight fraction)				1.3	1917

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Ref
$AgCl_2$				1.9	099
Ag_4Cu_9				1.28	084
$Ag_{0.56}Cu_{0.22}Sn_{0.5}Zn_{0.17}$				~0.033	1864
$Ag_{0-0.4}D_xPd_{1-0.6}$(Implanted)	10-16-3				1401 1985
$Ag_{0.16}D_{0.47}Pd_{0.84}$	15.3 max.				1901
$Ag_{0.2}D_xPd_{0.8}$	~16 max.				1985
Ag_2I	0.066	2.5			651#
$Ag_7F_2HO_8$	1.0-1.5				1146 605
$Ag_7F_{0.25}N_{0.75}O_{10.25}$	1.04				1146 605
$Ag_7F O_8$	0.3		CUB		605
$Ag_{0.95-0.82}Ga_{0.05-0.19}$				1.4	533
$Ag_{0.8-0.3}Ga_{0.2-0.7}$	6.5-8				533
$Ag_{0.29-0.02}Ga_{0.71-0.98}$				1.4	533
$Ag_xGa_yIn_{0.10}$	6.5-8				533
$Ag_xGa_ySn_{0.10}$	4.2				533
$Ag_xGa_yZn_{0.10}$	6.5-8				533
Ag_4Ge	0.85		HEX		487
$Ag_{0.45}Ge_{0.55}$(200-600Å Deposit ~4K)	1.2, 1.5				▽1082 ▽1179 ▽1729
$Ag_{0.5}Ge_{0.5}$				1.5	1729
$Ag_{0-0.4}H_{\approx 0.8}Pd_{1-0.6}$ (H implanted)	8.6-15.6-8				1901
$Ag_{0.3}H_xPd_{0.7}$(H implanted)	~16				1985
$Ag_{0.438}Hg_{0.562}$	0.64		$D8_2$		489 084 258
$Ag_{0.7}Hg_{0.3}$			CUB	0.33	259
$Ag_{0.55}Hg_{0.45}$			HEX	1.08	258
$Ag_{0.85}In_{0.15}$			A1	0.014	1617
Ag_3In				1.4	533
Ag_2In	2.11		C16		1317 229
$Ag_{0.12}In_{0.88}$(1000-240Å)	4.69-4.57				▽1899
Ag_xIn_{1-x}(whiskers)					1780
AgInTe(See Table 4)					
AgLa	0.92-0.96				697
AgLa(9.5 kbar)	1.2		B2		697
AgLu			B2	0.33	658
AgMg			B2	1.02	270 011
AgMnSnTe(See Table 4)					

TABLE 2 (Contd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$AgMo_4S_5$	8.3;(11.5 with Cu plate)				1193#
$AgMo_4S_5$(0-19 kbar)	7.7-6.4				614
$Ag_{1.2}Mo_{4.8}S_6$	8.9		RHOMB		1163
Ag_7NO_{11}	1.04	57	CUB		605
$AgNb_3$	8.28?				181
Ag_2O				128	011
$Ag_{0-0.12}Pb_{1-0.88}$	T_c(-0.4)				▽1386
$Ag_{0.1}Pb_{0.9}$(condensed at 4K)	5.88 6.94 (Annealed)				▽1491
$Ag_{0.9-0}Pb_{0.1-1}$(Weight fraction)	7.2 Max.				088 085 111
$Ag_{0.15}Pb_{0.975}Sn_{0.01}$ (Weight fraction)	7.25	HF			1917
Ag_xPd_{1-x}			A1	1.00	037 572#
Ag_2Pd_3S	1.13		A13		1221
$Ag_{1-0}Pd_{0-1}Th_2$	2.1-2.3-1.1-1.3-0.7		C16		1377
Ag_xPt_{1-x}				1.00	037
$Ag_{0.05}Rh_{0.04}Ti_{0.91}$	1.95				1060
Ag_2S				1.28	011
Ag_3Sb				1.28	084
$Ag_{0.865}Sb_{0.135}$				1.26	084
AgSb				1.90	099
$Ag_{0.88-0.84}Sb_{0.12-0.16}$	0.02-0.06		HEX		1617
Ag_2Se				1.28	011
$AgSi_2$				1.4	533 585
$Ag_{0.84-0.77}Sn_{0.16-0.23}$	0.025-0.107		HEX		1617 630#
$Ag_{0.92}Sn_{0.8}$				1.26	084
Ag_3Sn				1.36	085 381 ▽693
$Ag_?Sn_?$	3.3-3.7				086 088
Ag_5Sn			A3	0.34	486
$Ag_{0.7-0}Sn_{0.3-1}$(Weight fraction)	~1.5-3.71				088
Ag_xSn_{1-x}	2.0-3.8				▽693
AgSnTe (See Table 4)					
Ag_5Sr			$D2_d$	0.34	486
AgTe				1.28	011 427
$AgTe_3$	2.6		CUB		487

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$AgTh_2$	2.19		C16		1377 173
$Ag_{0.98-0.96}Tl_{0.02-0.04}$				1.26	084
$Ag_{0.94}Tl_{0.06}$	2.32				084
AgTl(Eutectic)	2.67				085
$Ag_{0.1}Tl_{0.9}$	3.57 2.40(Annealed)				▽1900 071
AgY			B2	0.33	658 260
Ag_5Zn_8				1.28	084
$AgZn_3$				1.28	084
AgZn			"γ"	1.30	1009
Ag_xZn_{1-x}	0.5-0.845				624
$Ag_{0.005}Zn_{0.995}$	0.763				1506#
$Ag_{0-0.057}Zr_{1-0.943}$			A3		572#
Al(99.999%)	1.175	104.8			762# 1794 1895 1746 1846 435#
Al(plus pressure study)	1.179	104.9			1004# 1571#
Al(RRR=4100±500)	1.176				1895
Al	1.17	104			024# 639
Al(99.999%)	1.187				755 1061# 219 320
Al	1.18	104.8			1507 791 1118# 1507 1357 1267
Al	1.19				856#
Al	1.20	99,106			148 001# 390
Al(>98%)	1.14	94			336# 337
Al(Cold worked)	T_c'(-0.028)				746
Al(Particles 90-160Å)	1.81-1.3				1627
Al(Fe, Cr, Mn added)					436
Al(920-38Å)	1.24-2.47	HF			▽1634 ▽1419
Al(<50Å)	4.6 Max.				▽1648
Al(Various thicknesses)	1.15....3.7				▽1714 ▽888 ▽757 ▽1782 ▽619 ▽ 758 ▽595 ▽ 596 ▽828 ▽1134 ▽1194 ▽1259 ▽1302 ▽1460 ▽1544 ▽1615

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Al(<160Å)	5.7 Max.				∇837 ∇1545
Al(~12-30-60Å)	3.0-4.6-3.8				∇837
Al(Granular, 25-1000Å)	~1.3-3.74	HF			∇937 ∇1294 ∇1573 ∇1502
Al(Deposited 78K, 790Å)	1.904				∇1880
Al(Deposited 4.2K)	1.4-2.2-3.3				∇1739
Al(Pressure 0-14 kbar)	2.1-1.7				∇826
Al(<100Å)	2.45 3.0(oxidized)				∇1062
Al(See Table 3)					
$Al_{0.9}As_{0.05}Ga_{0.05}Nb_3$	19.2 Max.				939
$Al_{1-x}As_xNb_3$	18.52 (Decreases)				939
$Al_{1-x}As_xV_3$	10.6-3.0		A15+CUB		1015
Al_2Au	0.095-0.074		C1		1011 486 037 866#
$AlAu_4$	0.4-0.7		A13		486
$Al_{0.15}Au_{0.85}$			A1	0.014	1617
$Al_{0.1-0.5}Au_{0.9-0.5}V_3$			A15, CUB	1.2	1015
$Al_{0.2}B_5Mo_{1.8}$	5.7, 4.9-2.7		C32		767
$Al_{1-y}B_yNb_3$	18-19.1-18.5(aged) 16.3-17-11(as cast)		A15		1360
$Al_{0.95}B_{0.05}Nb_3$	19.1(aged)		A15		1360
$Al_{0.3}Be_{0.7}$	6.5				∇674
$Al_{0.1}Be_{0.9}$	7.2				∇674
$Al_{0.1-0.5}Be_{0.9-0.5}$	7.2-6.3				∇1903
$AlBe_{13}$				1.4	1769
$Al_{1-y}Be_yNb_3$	17.3-19.6-13(aged) 16.5-18-13(as cast)		A15		1360
$Al_{0.95}Be_{0.05}Nb_3$	19.6		A15		1360
$Al_{0-1}Be_{13}Re_{1-0}$	<9.9				1769
Al_4C_3				1.38	558
$Al_2C\,Cr_3$			HEX, H-phase	4.2	496 497
$Al\,C\,Cr_2$			HEX, H-phase	1.1	632
$Al\,C\,La_3$			CUB	1.02	1564
$Al_2C\,Mo_3$	10.0, 9.2	HF	A13		496 497 571 632 966
$Al_2C\,Nb_3$			HEX, H-phase	4.2	496 497
$Al_2C\,Ta_3$			HEX, H-phase	4.2	496 497

TABLE 2 (Cont'd). Properties of Superconductive Materials

Materials	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Al_2C\ Ti_3$			HEX, H-phase	4.2	496 497
$Al\ C\ Ti_3$				1.15	711
$Al_2C\ V_3$			HEX, H-phase	4.2	496 497
$Al\ C\ V_2$			HEX, H-phase	1.1	632
$Al\ C\ Y_3$				1.15	711
Al_2Ca			C15	1.02	270 427
Al_4Ca			$D1_3$	1.02	270 427
Al_2CaSi	5.8				427
Al_2Ce			C15	0.34	655
$Al_2Ce_{0-0.005}La_{1-0.995}$	3.305-1.745 3.27-1.15	HF			1424# 953 1676#
$AlCe_{0-0.017}La_3$	6.0-1	HF	DO_{19}		1887#
$Al_{0.996}Co_{0.004}$	T_c'(-0.24)				1507
$Al_{0.107-0.119}Co_{0.088-0.61}Fe_{0.81-0.27}$				1.4	514#
$Al_{13}Co_{0-0.16}Os_{4-3.84}$	5.5-1.3		MONO		1431
$Al_{0.3-0.05}Cr_{0.7-0.95}$			CUB	1.4	514#
$Al_{0-0.3}Cr_{1-0.7}$					572#
$AlCr_{0-0.0016}$	T_c'(-0.33)				598 673 1507 1357
$Al_{0.09-0.11}Cr_{0.05-0.85}Fe_{0.05-0.87}$			CUB	1.4	514#
$AlCr_{0.3}Nb_{2.7}$	14.1				1976
$Al_{0.1-0.13}Cr_{0.09-0.84}V_{0.05-0.78}$			CUB	1.4	514#
$Al_{2.06}Cu$	0.65		C16		1377 270 229
Al_4Cu_9				1.28	084
$Al_{0.992}Cu_{0.008}$(Rapid quench) (Ultrarapid quench)	1.48-2.95			 1.48	1640 1640
AlCu(Layers, 750Å)	2.6-3.45				∇1134
AlCuZr			C15	1.02	270
$Al_{0.997}Er_{0.003}$(Deposit N_2 Temp., 260Å)	1.658				∇1651 ∇1621
$AlFe_{0-0.0002}$	T_c'(-0.04)				598 637 572#
$Al_{0.998}Fe_{0.002}$	T_c'(-0.25)				1507
$Al_{1-x}Fe_x$	T_c'(-0.055)				1357
$Al_{0.999}Fe_{0.001}$	1.50				976#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Materials	T_c(K)	H_o(oersted)	Crystal Structure	T_n (K)	Refs.
Al-Fe_3O_4(5000Å)		HF			▽1451
$Al_{13}Fe_{0-0.08}Os_{4-3.92}$	5.5-<1		MONO		1431
$Al_{1-x}Ga_xNb_3$	18.3-18.7-16.1 (Annealed)		A15		1072 311 939
$Al_{1-0.7}Ga_{0-0.3}Nb_3$	18-17.7-17.9 (Annealed) (As cast lower)				1404
$Al_{0.9}Ga_{0.1}Nb_3$	17.7(Annealed)				1976
$Al_{0.85-0.05}Ga_{0.15-0.95}$ Nb_3(20,000Å)	16.3-16.5-14.6		A15		▽1954
$Al_{0.5}Ga_{0.5}Nb_3$	19.0	HF			1339
$Al_{1-0}Ga_{0-1}V_3$	11.5-9-12.0 ($Ga_{0.4-1}$)		Mixed phases		1369
$Al_{1-x}Ga_xV_3$	14.5-5.5		A15		890
$Al_{0.5}Ga_{0.5}V_3$	12.9		A15		1073
$Al_{0.3}Ga_{0.7}V_3$	13.9		A15		1073
$Al_{0.1}Ga_{0.9}V_3$	13.9 14.9(Annealed)		A15		1073
$Al_{0-0.4}Ga_{1-0.6}V_3$	13.9-11.5 (Many anneals)		A15		1832
$Al_{0-0.13}Ga_{0.13-0.32}$ $V_{0.68-0.72}$	>14.5-<6	HF	A15		1720
$Al_{3-2.94}Gd_{0-0.06}La$	2.05-6.16	HF	DO_{19}		918 943
$Al_2Gd_{0-\sim0.006}La_{1-0.994}$	3.237-0.5	HF	C15		953 1111 1425# 1262
$Al_2Gd_{0.002}La_{0.998}$ (0-18 kbar)	2.45-2.1				1924
$AlGd_{0-0.009}La_{3-2.991}$	6.0-<1	HF	DO_{19}		1887 1170 1364
$Al_{0.33}Ge_{0.67}$	1.75				427
$Al_{1-0.998}Ge_{0-0.002}$	T_c' (-0.003+0.002)				319 320 746
$AlGe_{0.026}$	T_c' (+0.005)				746
$Al_{0.964}Ge_{0.036}$(Deposited 77K)	2.74				▽1622
$Al_{0.9}Ge_{0.1}$	6.45				▽1528
AlGe(Deposited 77K)	5.5 2.4(Annealed)				▽1120
$Al_{1-x}Ge_x$	2.6-3.48, 3.6		CUB		▽1622
$Al_{0.65}Ge_{0.35}Hf_{3y}Nb_{3(1-y)}$	18.5-3.8-4.6(as cast) 20.1-4.0-6.2				885
$Al_{0.65}Ge_{0.35}Hf_{3-0}Nb_{0-3}$	~3-6-4-20				1173
$Al_{1-0.65}Ge_{0-0.35}Nb_3$	18.8-20.2-19.9				1749

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Al_{0.825-0.7}Ge_{0.175-0.3}Nb_3$	20-20.75-19.3 (Annealed)				1819
$Al_{0.77}Ge_{\sim 0.23}Nb_3$(Long anneals)	20.75 21.05(Onset)		A15		1819
$Al_{1-0}Ge_{0-1}Nb_3$	16.5-20-5.5				1731 1812 1755 1705 1976 1072 1404
$AlGeNb_3$(Irradiated)	19.5-~19.2		A15		1660
$Al_{0.9}Ge_{0.1}Nb_3$	18.9				1976
$Al_{0.8}Ge_{0.2}Nb_3$	20.05 19.2-17.8	HF	A15		823 1976 704 1821
$Al_{0.75}Ge_{0.25}Nb_3$	20.2, 20.1		A15		885 1823
$Al_{0.66}Ge_{0.22}Nb_{3.10}$	20.29		A15		1446
$Al_{0.75}Ge_{0.25}Nb_3$	20.7-18	HF			876 859 1164 1590 789 1731
$Al_{0.75}Ge_{0.25}Nb_{3.8}$	20.34				1966
$Al_{0.61-0.75}Ge_{0.39-0.25}Nb_{4.03-3.43}$	20.34-19				1966
$Al_{0.70-0.75}Ge_{0.20-0.25}Nb_3$	21.0		A15		1019
$Al_{0.76}Ge_{0.38}Nb_{2.86}$	20.1-19.6	HF			896
$Al_{0.57-0.65}Ge_{0.35-0.23}Nb_{3-3.2}$	20.1	HF	A15		885 787 1483
$Al_{0.72}Ge_{0.24}Nb_{3.04}$	20.0				1821
$Al_{0.64}Ge_{0.2}Nb_{3.16}$	20.7	HF			1339
$Al_{0.5}Ge_{0.5}Nb_3$	12.6		A15		311
$Al_{1-x}Ge_xNb_3$(P study)					1079
$Al_{1-x}Ge_xNb_3$(~1000-30,000Å)	<9->19				▽1471 ▽1276
$Al_{0.15-0.95}Ge_{0.85-0.05}Nb_3$ (~20,000Å)	13-16.7-15.7				▽1954
$Al_xGe_{1-x}Nb_3$(4000Å)	4.2-11.4	HF			▽708 ▽1483
$Al_{0.8}Ge_{0.2}Nb_3$(2000Å;5000Å)	17.4-16.6, 10.7, 16.0	HF			▽1525 ▽708 ▽1174
$Al_{0-1}Ge_{0-1}Nb_3Sn_{1-0}$ (Ternary diagram)	18.1-16.5-7.1				1812
$Al_{0.85-0.7}Ge_{0.15-0.3}Nb_{1-0.96}Ta_{0-0.04}$	18.5-11				1360
$Al_{1-0.6}Ge_{0-0.4}Nb_{2.85}Ta_{0.15}$	16.5-18-15(As cast) 19.5-20.5-18.5(aged)				1360
$Al_{0.85}Ge_{0.15}Nb_{2.85}Ta_{0.15}$	20.5				1360
$Al_{0.65}Ge_{0.35}Nb_{3-0.75}Ti_{0-2.25}$	20.1-4.7-6.2 (annealed) 18.5-1.37-1.8(as cast)				885 1173

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
$Al_{0.65}Ge_{0.35}Nb_{3-0.75}Zr_{0-2.25}$	20.2-5.3-10.3 (annealed) 18.5-5.1-6.1 (as cast)				885 1173
$Al_{1-x}Ge_xTh_2$	0.2-<0.1		C16		1377
$Al_xGe_{1-x}V_3$(Anneals critical)	5.9-13.9		A15		894 792 1808 1015 890
$Al_{0-0.25}Ge_{1-0.75}V_3$	6.5-12		A15		1832
$Al_{1-0}Ge_{0-1}V_3$	~12-12.5-6				1369 1446 1073
$Al_{0.6-0}Ge_{0.4-1}V_3$ (no order observed)	11.5-12.5-6.5 Max. at $Ge_{0.6}$				1731
$Al_{0.3}In_{0.7}La_3$	9.42		$L1_2$		1564
$Al_{1-0.67}In_{0-0.33}Nb_3$	18.4-16.0		A15		1072
$Al_{0.046}In_{0.151}Sn_{0.803}$	3.652(Annealed) 4.38				1201
$Al_{11}La_3$			ORTHO	1.3	1631
Al_4La				1.15	711
Al_2La	3.237, 3.26, 3.305		C15		1425# 1424 486 1314 953 1428# 658
$Al_2La(RE)_x$ (RE=Ce, Pr, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb)	Decreases observed				794
Al_2La(P to 18, 20 kbar)	Decreases ~0.3K		C15		1924 1429
Al_2La		HF			1422
AlLa				0.33	658
$AlLa_3$	6.16	HF	DO_{19}		943 918 658
$Al_2La_{1-0.986}Tb_{0-0.014}$	3.24-0.6	HF			1678 1428# 1429
$Al_2La_{0.994-0.998}Tb_{0.006-0.002}$(P to 18 kbar)	2.13-2.875 (P decreases ~0.3K)				1924
$AlLu_2$			C15	1.02	270
$AlLu_3$				1.1	659
Al_2Lu			C15	1.02	658
Al_3Mg_2	0.84		CUB		270 084
Al_2Mg_3			A12	0.35	270
$AlMg_{0-0.0106}$	T_c!(-0.058)				1506 856# 320 319 435#
$Al_{0-0.9}Mg_{1-0.1}$	1.18-1.63-<0.03				1604
$Al_{0.82}Mg_{0.18}$	1.63		A1		1604

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
$Al_{0.61-0.39}Mg_{0.39-0.61}$	0.7-<0.03		A12		1764 1604
$Al_{0.61}Mg_{0.39}$	0.85		HEX		1604
$Al_{0.11}Mg_{0.89}$				0.013	1340
$Al_{\sim 0.6}Mg_{0.4}$(Deposited 0.4K)	1.6-1.7				▽1764
$Al_{0.39}Mg_{0.61}$	1.5-1.6				▽1604
$Al_{1-0.999}Mn_{0-0.00125}$ (P to 22 kbar)	1.17-0.51 (P decreases further)				1519 598 1357 951 673 421
$AlMn_{0-0.0018}$	T_c' (-0.68)	Data given			588
$AlMn_{440, 900\ ppm}$	0.843, 0.594	75.6, 53.3			1449#
$Al_{12}Mo$			CUB	1.02	270
Al_5Mo			HEX	1.15	412 712
$AlMo_3$	0.58		A15		125 181 142 270
$AlMo_{0-3}Nb_{3-0}$	16.3-<2		A15		1874
$AlMo_6Pd$	2.1				427
$Al_{0.5}Mo_5S_6Sn$	14.2, 13.6	HF			1597 1664 1725
$Al_{0.2}Mo_5S_6Sn$		HF			1759
$Al_{0-0.12}Mo_{6.35}S_8Sn_{1.2}$	11.8-14.3	HF			1759
AlN	1.55?		B4		558
AlN(Very Thin, 14 layers N_2)	T_{co}/T_c given				▽1195
Al_2NNb_3	1.3		A13		632
Al N O(24-117Å)	Al T_c depressed				▽1195
Al_3Nb			DO_{22}	1.20	412
$Al_{0.33}Nb_{0.67}$	8.5-13.5		$D8_b$		557 125 497 1810
$AlNb_3$("Splat" cooled)	3.1		A2		1795
$AlNb_3$	18.8-18.6	HF	A15		1215# 787 1551 1339 1660 1483
$AlNb_3$	18.52-18.2				939 1750 1064 1176# 1066 1693#
$AlNb_3$	18.1-17.11				1075 254 125 1801 1164 1976 497 1101 880 1440 447 1421 311 479 497 513 798 142
$Al_{0.25-0.18}Nb_{0.75-0.82}$	18.3-17.0				1752 1432

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Al_{0.2-0.26}Nb_{0.8-0.74}$	13.5-17.3				1749
$Al_{0.215}Nb_{0.785}$	17.97		Single phase		859
$AlNb_3$(Versus neutron irradiation;reversible)	18.6-3.5	HF			1660
$Al_{0-0.5}Nb_{1-0.5}$(Sputtered or quenched)	9.3-0.7		A2		∇1432
$Al_{0-0.34}Nb_{1-0.66}$(Sputtered)	9.3-8-16-15				∇1432
$Al_{0.21-0.25}Nb_{0.79-0.75}$ (Sputtered)	16.0-16.6		A15		∇1432
$AlNb_3$(4000Å, various)	17.4, 16.6-9.3				∇1410 ∇1276
$AlNb_3$(P study)	1.75. decreases, then to 18.1				1705 1079
$AlNb_2Ni$	4.2				1888
$AlNb_3Ni_{0-0.01}$(Weight fraction)	17.4-17.7-15.5	HF			1753
$Al_{0.04}Nb_{0.895}O_{0.06}$	7.10	HF			1667
$Al_{0.01}Nb_{0.97}O_{0.02}$	8.30	HF			1667
$Al_{0.8-0.1}Nb_3Sb_{0.2-0.9}$	16.74-3.92		A15		801
$Al_{0.95}Nb_3Sb_{0.5}$	17.81		A15		801
$Al_{0.9}Nb_3Sb_{0.1}$	18.06-17.4		A15		801
$Al_{0.25-0.18}Nb_{0.75-0.78}Si_{0-0.04}$	18.3-18.6-18.4				1752
$Al_{0.95-0.7}Nb_3Si_{0.05-0.3}$	18.05-16.9				1976
$Al_{0.22}Nb_{0.75}Si_{0.3}$	19.2				1821
$Al_{1-0}Nb_3Si_{0-1}$(~20,000Å)	14.5-8		A15		∇1954
$Al_{0-1}Nb_{0-4}Si_{1-0}V_{3-0}$	16.5-4.0-16.7		A15		893
$Al_{1-0}Nb_3Sn_{0-1}$	17.2-13.5-18.2		A15		1236 1812 1072 419 311
$Al_{0-0.1}Nb_3Sn_{1-0.9}$	17.9-18.58-18.1		A15+		1115
$Al_{0-0.2}Nb_3Sn_{1-0.8}$	18-18.2-17 (Resistance meas.) 18-16.65				1982
$Al_{0.5}Nb_3Sn_{0.5}$	15.8(Annealed)				1404 1236 270
AlNbSn	17.45		A15		1115
$AlNb_{2.85-2.25}Ti_{0.15-0.75}$	15.2-8.35		A15		1976
$Al_{0.05-0.25}Nb_{0.05-0.45}Ti_y$	2.95-9.10				1862
$Al_{0.27}Nb_{0.73-0.48}V_{0-0.25}$	17.5-14.5		A15		497
$Al_{0.27}Nb_{0-0.50}V_{1-0.50}$			CUB	4.2	497
$AlNb_{2.1}V_{0.9}$	12.5, 13.4(Annealed)		A15		1073
$AlNb_{2.7}V_{0.3}$	15.4, 16.7(Annealed)		A15		1073

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
$AlNb_{2.94-2.25}V_{0.06-0.75}$	16.7-13.0		A15		1976
$Al_{0.175-0.23}Nb_{0.775-0.725}Zr_{0-0.075}$	18.3-~10				1980
$Al_{0.23}Nb_{0.75}Zr_{0.013}$	18.3				1980
$Al_{0.175}Nb_{0.775}Zr_{0.05}$	~10(Broad)				1980
$Al_{1-x}Ni_x$	Data given				673 572#
AlO_x(~15-350Å)	1.2-2.3-1.4				▽454 ▽224
$Al+Al_2O_3$(2,000-319,000Å)	0.8-2.69	HF			▽1451 ▽1622
Al_2O_3-Nb(Cermet films)	4.43-5.19				▽1554
$Al_{13}Os_4$	5.5				1431#
Al_2Os				1.1	1431 711
Al_3Os_2				1.1	1431 711
Al_3Os	5.9				173
AlOs	0.39		B2		270 173
$Al_{13}Os_{4-3}Ru_{0-1}$	5.5-~2				1431#
$AlPb_x$(Layered films)					▽512
Al_3Pd_4Si			B20	1.02	270
Al_2Pt	0.55-0.48		C1		486 037
AlPt			CUB	0.34	486
$Al_{0-0.05}Pu_{1-0.95}$				1.50	226
$Al_{12}Re$			CUB	1.15	712 412
Al_6Re	1.85				711
AlRe			B2	1.15	712 412
Al_5Re_{24}	3.35		A12		412 557
$Al_{13}Ru_4$			MONO	1.1	1431#
AlSb(P~125kbar)	2.8				1104
$Al_{0-0.3}Sb_{1-0.7}V_3$	<2-4		A15		1832
$Al_{1-x}Sb_xV_3$	4.5-7.2		A15		890
Al_2Sc			C15	1.02	270 658
$AlSc_3$				1.1	659
$Al_{1-x}Si_x$	T_c' (-0.019)				746 319
$Al_{0-1}Si_{1-0}V_3$	17-5		A15+		890 1369 1983
$Al_{0-0.13}Si_{1-0.87}V_3$	16-12.5		A15		1832
$Al_{0.1}Si_{0.9}V_3$	16.1(Annealed)		A15		1073
$Al_{0.2}Si_{0.8}V_3$	15.7(Annealed)				1073
$Al_{0-0.007}Sn$	3.72-3.692	HF			850
$Al_{0.152}Sn_{0.848}$	3.690(Annealed)				1201
$Al_{1-0}Sn_{0-1}$(Deposited 4.2K)	3.5-6.7-4.7				▽1732 ▽1134

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
$Al_{1-0}Sn_{0-1}V_3$	~5.5-6-4		A15+		1369 890
Al_3Ta			DO_{22}	1.20	412
$AlTa_3$			$D8_b$	1.02	270
$AlTa_3$("Splat" cooled)	1.59		A2		1795
Al_3Th	0.2, 0.75		DO_{19}		1373 270
Al_2Th			C32	0.35	270
$AlTh_2$	0.09		C16		1377 270
Al_2Th_3	2.6		TET		927
$Al_3Th_{1-0.8}Y_{0-0.2}$			DO_{19}	0.05	1373
$Al_{1-x}Ti_x$	T_c'(-0.04)				1357 673
$Al_{0.996}Ti_{0.004}$(Rapid quench)	T_c'(-0.16)				1507
Al_3Ti			DO_{22}	1.02	270
$Al_{0.03}Ti_{0.81}V_{0.16}$(Various anneals)	3.5-5.1				1803
$Al_{0.1-0.15}Ti_{0.15-0.69}V_{0.18-0.74}$	2.05-3.62		CUB		514#
$Al_{0.25,0.3}Ti_{0.525,0.49}V_{0.255,0.21}$			CUB	1.4	514#
Al_2U			C15	1.12	021
Al_3U			$L1_2$	0.07	715 1677#
$Al_{1-x}V_x$	T_c'(-0.08)				1357 673
$Al_{0.9945}V_{0.0055}$(Rapid quench)	T_c'(-0.33)				1507
Al_3V			DO_{22}	1.20	412 447
AlV_3			A2	3.0	1369 1455
AlV_3(Possible Si additions)	10.3, 11.65		A15		824 894 792
$Al_{0-0.12}V_{1-0.88}$	5.20-1.73	1446-408			1890# 572#
$Al_{0.108}V_{0.892}$	1.82		CUB		514#
$Al_{0.188-0.402}V_{0.812-0.598}$			CUB	1.4, 4.2	514# 497
AlV_3(with additions)					1455
AlV_3(Deposited 350-450C)	9.6, 10.3 Max.				∇1363 ∇1438
Al_5Y_2				1.55	427
Al_2Y			C15	0.34	127 486 658
Al_2Y_3				1.15	711
AlY				1.15	711
AlY_2				1.15	711
AlY_3				1.1	659
Al_3Yb	0.94		$L1_2$		715

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n (K)	Refs.
Al_2Yb			C15	0.06	1372
$AlZn_{0-0.01}$	T_c'(-0.0444)				319 320 746
$Al_{1-0.8}Zn_{0-0.2}$	T_c'(-0.12÷0.18) (Quenched) T_c'(-0.07÷0.10) (Aged)	Data given			1794
$Al_{0.992}Zn_{0.0078}$	1.132				435#
$Al_{0.85}Zn_{0.15}$		HF			1793
Al_xZn_{1-x}	0.5-0.845				624
Al_xZn_{1-x}	T_c'(-0.03, 0.0+)				598
Al_2Zn_2Zr			$L1_2$	0.08	1372
Al_3Zr			DO_{23}	1.02	270
Al_2Zr	<0.35		C14		270
$AlZr_3$	0.73		$L1_2$		270
$Am_{0.01}Si_2Th$	2.66				1504
As(99.9999%; P study)	0.31-0.5(220-140 kbar) 0.2-0.25(~140-100 kbar) <0.1 (~100)		A7		898 774 245
AsAu(Eutectic)				1.9	099
$As_{0.15}Bi_{0.15}Nb_3Sn_{0.7}$	18.07				1982
AsBiPb	9				111
AsBiPbSb	9				111
As_2CdGe(P of 60-70 kbars)	2.84-3.02		TET+		867
As_2CdSn(Prepared ~60 kbar)	1.79-2.29		B1		865
As_2Co			C18	1.1	262
AsCo			B31	1.1	262
As_2Cu				1.57	002
AsCu(Eutectic)				2.2	099
$AsCu_3$				1.28	011 084
$As_4Cu_{18}Sb_3$			CUB	0.35	270
$As_{0.4}Fe_{0.6}$				1.30	084
AsGa(P = 260 kbar)	4.8				1730
$As_{0.15}Ga_{0.15}Nb_3Sn_{0.7}$	18.01				1982
AsGe (Prepared high P & Temp.)	3-3.5				891
AsGeMo			MONO	0.035	1508
AsGeRe			MONO	0.33	1508
AsGeTe(See Table 4)					
AsGeW			MONO	0.035	1508

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
As_2Hf			C23	1.1	1583
AsHf			B_i	1.1	1583
$As_{0.15}In_{0.15}Nb_3Sn_{0.7}$	17.99				1982
AsInTe(See Table 4)					
AsIr				0.35	491
$AsIr_2$				0.35	491
As_2Mo	0.41		MONO		1508 1584 084
As_3Mo				1.1	1583
As_2Nb			MONO	0.012	1508 1584
$As_{0.15}Nb_3Pb_{0.15}Sn_{0.7}$	18.05				1982
$As_{0-0.3}Nb_3Sn_{1-0.7}$	18-17.9				1982 200
$As_{0.15}Nb_3Sn_{0.85}$(Sintered)	17.98				1982
$As_{0.15}Nb_3Sn_{0.7}Tl_{0.15}$	17.98				1982
AsNi				1.28	011 084
$As_{0.5}(Ni_{0.125})Pd_{0.375}$ (Ref. 262 suggests due to As_2Pd_2)	1.6, 1.34				054 035 262
AsOs			Like OsP	1.13	1582
AsPb(Eutectic)	8.40				085 111
AsPd			C2	1.02	035 054
$AsPd_2$(High Temp.)	1.70		C22		491 262 530
$AsPd_2$(Low Temp.)	0.60		HEX		491 530
$AsPd_3$			DO_e	0.3	530 491 262
As_2Pd_5	0.46				491 530 262
As_2Pd				1.1	530
As_2Pd_3				1.4	427
As_3Pd_5				1.9	262
$AsPd_7$				1.1	530
AsPdSe			C2	1.2	413 414
As_2Pt				0.35	491
As_3Pt_2				0.35	491
As_7Re_3			$D8_f$	0.3	1584
AsRh	0.58		B31		491
$AsRh_{1.4-1.6}$	0.56-<0.03		HEX		491
As_3Rh_5				1.1	262
$AsRh_2$			C1	1.1	1583 262
AsRu				0.35	491 262
$AsRu_2$				0.35	491 262

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$As_{0.26}Sb_{0.74}$				1.32	084
$As_{0.25}Se_{0.75}Y$	0.72-0.78		B1		1219
AsSn(See Table 4)					
AsSn(Eutectic)	4.1, 4.2				085 111
AsSnTe (See Table 4)					
$As_{1-0.1}SnTe_{0-0.9}$	~3.5				1605
As_2Ta			MONO	0.035	1508 1583
As_7Tc_3			$D8_f$	0.3	1584
As_2Th			C23	1.2	1583
As_2Ti				1.1	1583
AsTi			Bi	0.30	1584
AsV_3			A15	1.0	1578 015 128 117
As_2V			MONO	0.33	1508 1583
As_2W	~0.9		MONO		1508 1583
As_3W_2				1.1	1583
AsW				1.4	427
AsY			B_i	0.31	1584
AsZn				1.3	427
As_2Zr			C23	1.1	1583
AsZr			Bi	1.1	1583
Au(99.999%)			A1	0.002	1830 374 012 487 1617 1633
$Au_{0.2}B_5Mo_{1.8}$	4.5		C32		767
Au_5Ba	0.4-0.7		$D2_d$		486 449
AuBe	2.64		B20		138
$AuBe_5$			$C15_b$	1.02	270 037
AuBe	0.91				1057
$Au_{0.03-0.15}Be_{0.97-0.85}$	1.80-1.29-2.79, 1.52		HEX		1057
Au_2Bi	1.84, 1.70		C15		281 282 015 085 120 153
$Au_{0.1}C_{1.3}Y_{0.9}$	10.1		$D5_c$		870
Au_5Ca	0.34-0.38		$C15_b$		486 535
$Au_{0.72-0.69}Cd_{0.28-0.31}$			A1	0.014	1617
Au_5Cd_8				1.28	084
$Au_{0.25}Cu_{0.75}$, $Au_{0.5}Cu_{0.5}$(Impurities)				1.11	076

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
AuGa	1.2		B31		486 270
$AuGa_2$	1.12-1.05(866)		C1	0.34 (486)	866 486 1011
$AuGa_2$(P~6 kbar)	1.9				1534
$Au_{0.85-0.98}Ga_2Pd_{0.15-0.02}$	1.79-1.25		C1		866# 1011
$Au_{0.725-0.40}Ge_{0.275-0.6}$	0.99-1.63		Data given		487
AuGe				1.4	908
$Au_{0.3-0.33,0.75-0.92}Ge_{0.7-0.67,0.25-0.08}$			HEX,CUB	0.32	487
AuGe(Laser pulse preparation)	2.25-2.7				∇908
$Au_{0.3-0.8}Ge_{0.7-0.2}$(Deposited 4K; 200-600Å	2.7-3.6-2.2				∇1082 1179
$Au_{0.5}Ge_{0.5}$(Deposited 4K)	3.6				∇1179
$Au_{0.41}Ge_{0.59}$(Deposited 4K)	2.2, <2.2				∇1867
$Au_{0-0.35}H_{\approx 0.9}Pd_{1-0.65}$ (H Implanted)	8.6-14-11.5				1901 1985
$AuII_{1.0,2.8}Ti_3$			CUB	1.6	1480
$Au_{0.75}Hg_{0.25}$				1.28	084 091
$Au_{0.8-0.85}Hg_{0.2-0.15}$				0.32	489
$Au_{0.88}In_{0.12}$			A1	0.014	1617
$Au_{0.84-0.8}In_{0.16-0.2}$	0.04-0.33(Broad)		HEX		1617
$AuIn_2$	0.22	16.6	C1		1863 1993# 866# 1011 486 229
AuIn	0.6-0.4				486 229
$Au_{0.9}In_2Pd_{0.1}$				0.36	866
Au_5K			$D2_d$	0.32	394 486
AuLa				0.33	658
$Au_{0.33}La_{0.67}$	3.2				1908
$Au_{0.24}La_{0.76}$(Rapid quench)	4.0(Crystalline) 3.3	HF			1908
$Au_{0.22}La_{0.78}$(Rapid quench	3.4				1908
$Au_{0-0.4}La_{1-0.6}$	6(broad)-2				1908
AuLu	<0.35		B2		658
AuMg			B2	0.35	270 173
Au_2Na			C15	0.34	270 486
$AuNa_2$			C16	0.06	1377
$AuNb_3$	11.22		A15		1466

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$AuNb_3$(Various heat treatments)	11.5-8.99		A15		492 128 137 117 568 707 922# 572#
$AuNb_3$	1.2		A2		568
$Au_{0.25}Nb_{0.75}$(Sputtered, 10,000Å)	11.2, 10.6		A15		1438, 1410
$Au_{1-0}Nb_4Pt_{0-1}$	8.7-10-5.5(Cast) 7.7-8.3-5.2(Annealed)		A15		1859
$Au_{1-0}Nb_3Pt_{0-1}$	9.5-10-8.5(Cast) 10.5-12-9(Annealed)		A15		1859 1944
$Au_{1-0}Nb_{2.33}Pt_{0-1}$	9.3-10.3-8.2(Cast) 10.7-11.5-7-6.5 (Annealed)		A15		1859 1944
$Au_{1-0}Nb_3Pt_{0-1}$	8.3-9.1(Quenched) 11.3-12.7-10.7 (Annealed)		A15		934
$Au_{0.7}Nb_3Pt_{0.3}$	12.5(Annealed)		A15		922#
$Au_{0.98-0.02}Nb_3Rh_{0.02-0.98}$	10.9-11-2.53		A15		492
$Au_{1-x}Nb_3Sn_x$	17.8 Max.				420
$AuNb_{3(1-x)}V_{3x}$	1.5-11.0		A15		568 572#
Au_2Pb	1.18, 7.12-5.98		C15		486 640
$AuPb_2$	3.10		C16		1377 521 475 087 229
$AuPb_3$	4.40				521 475
$Au_{1-x}Pb_x$	<1.2-7.3				088 229 085 086 111
$Au_{0-0.12}Pb_{1-0.88}$	T_c'(-0.75)				∇386
$Au_{0.1-0.7}Pb_{0.9-0.3}$	7.2-1.5				∇1100
$AuPb_2$, $AuPb_3$(Layers 130-1000Å)	4.3, 4.25				∇521
$Au_{1-0}Pb_2Pd_{0-1}$	3.2-3.9-2.7-3.5-3		C16		1377
Au_xPd_{1-x}				1.0	037
$Au_{0.95}Pd_{0.5}Ga_2$	1.75-1.69		C1		866#
$Au_{0.30}Pd_{0.033}Te_{0.666}$ (Rapid quench)	2.6		CUB		1116
$Au_{0.167}Pd_{0.166}Te_{0.667}$ (Rapid quench)	4.6		CUB		1116
$Au_{1-0.4}Pd_{0-0.6}Te_2$	2.6-1.6-4.5-3.8		CUB		1718
$Au_{1-x}Pt_x$				1.0	037 572#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Au_{1-x-y}Pt_xV_y$					1944
Au_5Rb			$D2_d$	0.32	394 486
$Au_{0.5}Rh_{0.4}Ti_{0.91}$	3.0				1060
$AuSb_2$	0.58		C2		270 229 427
$Au_{0.25}Sb_{0.75}$(Rapid quench)	6.7		CUB		1116
Au_5Sn	1.1-0.7		A3		486
AuSn	1.25		$B8_1$		486
$Au_{0.2}Sn_{0.8}$	2.38		ORTHO		229 222
$Au_{0.88-0.83}Sn_{0.12-0.17}$	0.21-0.61		HEX		1617
$Au_{0.45-0}Sn_{0.55-1}$ (Weight fraction)	2.48-3.71				088 229 086 071
$Au_{0.92}Sn_{0.08}$				1.32	084
Au_xSn_{1-x}	2.0-3.8				∇577
$Au_{0.33}Ta_{0.67}$			$D8_b$	1.2	276
$AuTa_3$(Rapid quench)	0.82		A2		1795
$AuTa_{4.3}$	0.51-0.58		A15		1015
$AuTe_2$				0.012	1584 770 427
Au_3Te_5	1.62				487
$Au_{0.37-0.15}Te_{0.63-0.85}$ ("Splat" cooled)	1.6-3.0- 1.9-2.4		CUB		1643
$AuTh_2$	3.65		C16		1377 173
$AuTi_3$			A15	0.015	707 980 1480 010 522
$AuTl_2$	4.25-4.35		C16		1959
$Au_{0.27}Tl_{0.73}$	2.04				070
AuTl(Eutectic)	1.92				085
$Au_{0.28-0.60}Tl_{0.72-0.40}$ ("Splat" cooled)	2.35-3.75		Amorphous		1959
$Au_{0.18-0.27}V_{0.82-0.73}$ (Various anneals, order changes)	0.3-3.0		A15		1772
$Au_{0-0.29}V_{1-0.71}$	5.3-0.10-<0.1		A2		1772
$Au_{0.45-1}V_{0.55-0}$			A1	1.2	1772
AuV_3(Long range order changes)	~0.8-2.87		A15		1852# 1446
AuV_3(Order changes)	<0.015-3.22	HF	A15		1160 1088 1446 987 948# 857 707 572# 578 1944 270 137

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Au_{0.23}V_{0.77}$(As cast, levitated)	0.66				707
Au_xZn_{1-x}	0.5-0.845				624
$Au_{0.85}Zn_{0.15}$			A1	0.014	1617
$AuZn_3$	1.21				270
Au_5Zn_8				1.28	084
$Au_{0.12-0.05}Zr_{0.88-0.95}$	2.74-2.79-1.65		A3		032
$AuZr_3$	0.92		A15		270
$AuZr_3$			$D0_b$	1.02	270
$B_{0.86}Ba_{0.14}$				1.28	011
B_4C				1.28	011
$BCMo_2$	7.1, 5.4	HF	ORTHO		966# 635 497
$B_{0-0.2}C_{1-0.8}Mo$	14.3-12.5		B1		1006 573 497
B_6Ca			$D2_1$	1.28	558 1815
B_6Ce			$D2_1$	0.35	705 1815 558
$B_{2x}CeRu_{2(1-x)}$	Decreases from 6.2		C15		1569
$B_6Ce_{0.01}Y_{0.99}$	T'_c(-0.8)				1014
$B_{12}Ce_xZr_{1-x}$	T'_c(decreases)				782
BCo_2			C16	0.06	1377
B_2Cr				1.28	011
BCr			B_f	1.28	011
Cr_2B			C16	1.20	010
B_6Dy				0.35	705
$B_6Dy_{0.01}Y_{0.99}$	T'_c(-0.65)				1014
$B_{12}Dy_xZr_{1-x}$	T'_c(decreases)				782
$B_{12}Er$				0.35	705
$B_6Er_{0.01}Y_{0.99}$	T'_c(+0.25)				1014
$B_{12}Er_xZr_{1-x}$	T'_c(decreases)				782
B_6Eu			$D2_1$	0.35	705 558 1815
$B_6Eu_{0.01}Y_{0.99}$	T'_c(-0.3)				1014
BFe_2			C16	0.06	1377
B_6Gd			$D2_1$	0.35	705 558 1815
$B_{12}Gd_xZr_{1-x}$	T'_c(decreases)				782
BHf	3.1		B1		1815 558 020
$B_5Hf_{0.2}Mo_{1.8}$	8.4-8.1		C32		767
$B_5Hf_{0.2}Nb_{1.8}$	3.6-2.6		C32		767
B_6Ho				0.35	705

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$B_{12}Ho$				0.35	705
$B_6Ho_{0.01}Y_{0.99}$	T_c'(-0.4)				1014
$B_{12}Ho_xZr_{1-x}$	T_c'(decreases)				782
BIr				1.28	011
B_6La			$D2_1$	1.30	1815 558 705
$B_6La_{1-0}Y_{0-1}$	6.8-<1.5		CUB		1840
$B_{12}Lu$	0.48				705
BMn_2			C16	0.06	1377
$B_{2.5}Mo$	7.45-5.2		C32		767
$B_{0.72}Mo_{0.28}$			$D8_i$	1.28	011
B_2Mo			C32	1.0	767
BMo			B_f	1.28	011 497 444
BMo			B_g	1.28	011 048 040
BMo_2	5.85, 5.07		C16		1105 1377 1020 011
$B_5Mo_{0.2}Nb_{1.8}$	4.3-4.0		C32		767
$B_5Mo_{1.7}Nb_{0.3}$	8.3-8.2		C32		767
$BMo_{2(1-x)}Re_{2x}$	5.1-4.3-5.3-5		C16(x ≤ 0.6)		1377
$B_{\sim 3}Mo_{\sim 6}S_8Sn$	15.0				1309
$B_5Mo_{1.8}Sc_{0.2}$	8.8-8.3		C32		767
$BMo_{1.5}Ta_{0.5}$	1.81		C16		1377
$BMo_{1.75}Ta_{0.25}$	3.05		C16		1377
$B_5Mo_{1.7}Ta_{0.3}$	7.0-5.9		C32		767
$B_5Mo_{1.7}Ti_{0.3}$	7.1-5.5		C32		767
$B_5Mo_{1.7}V_{0.3}$	5.5-5.0		C32		767
$B_5Mo_{1.9}Y_{0.1}$	8.0-7.5		C32		767
$B_5Mo_{1.9}Zr_{0.1}$	8.9-8.4		C32		767
$B_2Mo_{1-0.75}Zr_{0-0.25}$	<1-10.3				767
$B_5Mo_{1.69}Zr_{0.31}$	11.2		C32		767
BN				1.28	011
$B_xN_{1-x}Nb;V$					1238
$B_{2.5}Nb$	6.4		C32		767
B_2Nb			C32	1.0	767 810 011 572#
BNb	8.25		B_f		011 444
$B_{0.57}Nb_{0.43}$			$D7_b$	1.28	011
B_2Nb_3			TET	0.1	927
B_2Nb					1951#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$B_5Nb_{1.8}Ru_{0.2}$	6.0		C32		767
$B_5Nb_{1.9}Sc_{0.1}$	6.6		C32		767
$B_5Nb_{1.8}Th_{0.2}$	7.0		C32		767
$B_5Nb_{1.9}Ti_{0.1}$	4.0		C32		767
$B_5Nb_{1.8}V_{0.2}$	2.5		C32		767
$B_5Nb_{1.9}Y_{0.1}$	9.3		C32		767
$B_5Nb_{1.8}Zr_{0.2}$	5.9		C32		767
B_6Nd	~3(1815)		$D2_1$	0.35	705 558 1815
$B_6Nd_{0.01}Y_{0.99}$	T_c'(-0.15)				1014
$B_{12}Nd_xZr_{1-x}$	T_c'(decreases)				782
BNi_2			C16	0.07	1377
B_2Os			C32	1.02	270
$B_{\sim1.5}Pd$(B implant)	3.8 Max.				164
B_6Pr			$D2_1$	0.35	705 1815 558
$B_6Pr_{0.01}Y_{0.99}$	T_c'(-0.1)				1014
$B_{12}Pr_xZr_{1-x}$	T_c'(Decreases)				782
BPt				1.28	011
BRe_2	4.6, 2.8				465# 136 572#
$BRe_{2(1-x)}W_{2x}$	4.2-6-3.2		C16(x≥0.25)		1377
BRh				1.28	011
BRh_2			ORTHO	1.0	141 270
B_3Rh_7			$D10_2$	0.35	270
B_3Ru_7	2.58		$D10_2$		173
BRu_2				1.20	010
$B_{12}Sc$	0.39				705
B_4Sc			HEX	1.34	1815 558
B_2Sc			C32	1.30	1815 558
B_6Sm			$D2_1$	1.28	1815 558
$B_6Sm_{0.01}Y_{0.99}$	T_c'(-0.4)				1014
$B_{12}Sm_xZr_{1-x}$	T_c'(decreases)				782
B_2Ta			C32	1.28	011
B_4Ta_3			$D7_b$	1.28	011
BTa	4.0		B_f	1.28 (011)	1815 558 011
BTa_2			C16	0.06	1377 010
B_2Ta_3			TET	0.1	927
$BTa_{1.25}W_{0.75}$			C16	0.06	1377

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c (K)	H_0 (oersted)	Crystal Structure	T_n (K)	Refs.
$BTa_{1.5}W_{0.5}$	0.25		C16		1377
$BTa_{2-0}W_{0-2}$	<0.2-0.4-<0.2-3.2		C16(x≥0.6)		1377
B_6Tb			$D2_1$	0.35	705 1815 705
$B_6Tb_{0.01}Y_{0.99}$	T_c'(-0.9)				1014
$B_{12}Tb_xZr_{1-x}$	T_c'(decreases)				782
B_6Th	0.74				705 558 1815
B_2Th				1.77	040
BTh				1.20	010 040
B_2Ti			C32	1.28	011 522
BTi			B27	1.20	010 522
$B_{12}Tm$				0.35	705
$B_6Tm_{0.01}Y_{0.99}$	T_c'(-0.4)				1014
$B_{12}Tm_xZr_{1-x}$	T_c'(decreases)				782
BV			B_f	1.20	010
BV_2				1.20	010
B_2V_3			TET	0.1	927
B_5W_2				1.28	011
BW			B_g	1.28	011
BW_2	3.22, 3.1		C16		1377 1105 1020 474 010
$B_{12}Y$	~4.7				705
B_6Y	6.5-7.1(705)		$D2_1$	1.28 (1815)	705# 1815 558
$B_6Y_{0.99}Yb_{0.01}$	T_c'(-0.2)				1014
B_6Yb			$D2_1$	1.28	558
$B_{12}Yb_{0.01}Zr_{0.99}$	4.4				1014
$B_{12}Zr$	6.0		CUB		782 1484# 705# 1851
B_2Zr			C32	1.80	040
BZr	3.4		B1		1815 558 042
Ba(99.5%)			A2	0.014	1233 1214 023
Ba(Commercial grade)					
I(0-55kbar)	<1			<1	1453 902 777 612 1702
II(~55-85 kbar)	~1-1.8				
III(~85-144 kbar)	1.8-5				
IV(~144-175 kbar)	5-5.4				
IV(148-192 kbar)	4.5-5.1				1702
Ba(Deposit 4.2K, 1000Å)	3.0	HF			∇710

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$BaBi_3$	5.80		TET		715 011 095 270
BaHg	2.32-2.29		B2		1232
BaOSrTi(See Table 4)					
BaOTi(See Table 4)					
$Ba_{\sim0.13}O_3W$	1.9		TET		575
$Ba_{0.14}O_3W$	<1.25-2.2		HEX		644
$Ba_{0.1}Pb_3Sr_{0.9}$	1.75		TET		1372
$BaPd_2$			C15	1.02	028
$BaPt_2$			C15	1.02	028
$BaRh_2$	6.0		C15		028
Be(Impurity 40 ppm)	0.026		A3		783# 580# 103
Be(Extrapolated to infinite thickness)	9.95				▽674
Be(Deposited 0.3K)	9.75-9				▽1903 ▽1649
Be(Deposited 4.2, 10K; to 600Å)	9.6				▽1474 ▽1948#
Be(Deposited 10K, 260Å)	9.6				▽1178
Be(Deposited 4.2, 10K; 100-1000Å)	9.2-6	HF			▽710 ▽699 ▽101 ▽1512 ▽395 ▽679 ▽144 ▽1327 ▽550
Be(Deposited 4.2K; 25-60-180Å)	6.4-8.6-5				▽899 ▽1479
Be(See Table 3)					
$Be_{13}Ca$			$D2_3$	1.38	1769
$Be_{13}Ce$			$D2_3$	1.4	1769
$Be_{0.944-0.958}Co_{0.056-0.042}$	2.44-2.54		A2		1057
$Be_{0.944}Co_{0.056}$(Slow cool)				0.45	1057
$Be_{21}Co_5$(arc melted)			$D8_2$	0.45	1057
$Be_{12}Co$			TET	1.15	1769 712
Be_5Co				1.15	712
$Be_{13}Co_{0-1}Re_{1-0}$				9.9	1769
$Be_{12}Cr$			TET	1.4	1769
Be_2Cr			C14	1.4	1769
$BeCr_2$			C14	1.75	427
$Be_{22}Cr_xRe_{1-x}$	~9.8				1769
$Be_{0.92}Cu_{0.08}$	0.84		A2		1057
$Be_{0.89}Cu_{0.11}$	1.11(arc melt or quench) 0.44(Slow cool)		A2		1057

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Be_{0.858}Cu_{0.142}$	0.56		A2		1057
Be_3Cu			C15	1.4	1769
$Be_{13}Cu_{0-1}Re_{1-0}$				9.9	1769
$Be_{0.977}Fe_{0.023}$				0.45	1057
$Be_{0.95}Fe_{0.05}$				0.45	1057
$Be_{11}Fe$				1.15	712
Be_2Fe			C14	1.4	1769
$Be_{22}Ga$	5.7				1769
$Be_{13}Ga$	5.6				1769
Be_8Ga	5.7				1769
Be_6Ga	6.0				1769
Be_5Ga	5.8				1769
Be_3Ga	6.7				1769
Be_2Ga	6.3				1769
$Be_{13}Ga_{0-1}Re_{1-0}$				9.9	1769
$Be_{13}Ge$				1.4	1769
$Be_{0.9}Ge_{0.1}$ (Deposited 10K;~300Å)	9.3, 8.7				∇699
$Be_{17}Hf_2$				1.15	712 1769
$Be_{13}Hf$				1.15	712 1769
$Be_{13}In_{0-1}Re_{1-0}$				9.9	1769
$Be_{0.95}Ir_{0.05}$				0.45	1057
$Be_{13}Ir$				1.0	1769
Be_5Ir	1.5				1769
$Be_{13}La$			CUB	0.45	1964
$Be_{13}Li_{0-1}Re_{1-0}$				9.9	1769
$Be_{13}Lu$			CUB	0.45	1964
$Be_{13}Mg$			$D2_3$	1.4	1769 1922
$Be_{12}MgRe$	10.1				1769
$Be_{13}Mg_{0-1}Re_{1-0}$				9.9	1769
$Be_{13}Mn$				1.4	1769
$Be_{12}Mn$			TET	1.15	712 1769
Be_8Mn			C15	1.4	1769
Be_2Mn			C14	1.4	1769
$Be_{22}Mn_xRe_{1-x}$	~9.8				1769
$Be_{22}Mo$	2.545	HF	CUB		1922 566
$Be_{13}Mo$			TET	1.68	427
$Be_{12}Mo$			TET	1.38	1909 1922

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Be_2Mo			C14	1.4	1769 1922 427
$BeMo_3$				1.15	712
Be_xMo_{1-x}(Co-sputtered)	8.1 Max.(at x=0.34)				▽1565
$Be_{13}Mo_{1-0}Re_{0-1}$				9.9	1769
$Be_{22}Mo_{0.4}Re_{0.6}$	8.6		CUB		1822
$Be_{22}Mo_{0.3}Re_{0.7}$	8.6		CUB		1822
$Be_{22}Mo_{0.6}Re_{0.4}$	8.3		CUB		1822
$Be_{17}Nb_2$	1.47			1.38 (1909)	712 1909
$Be_{12}Nb$			TET	1.38	1909 1922
Be_3Nb				1.15	712
Be_2Nb	2.15				712
Be_2Nb_3	2.3		TET		927
$Be_2Nb_{1.5}Ta_{1.5}$	1.7				927
$Be_8Nb_5Zr_2$	5.2				427
$Be_{21}Ni_5$	0.72(Arc melted) 0.78(Slow cool)		$D8_2$		1057 590
$Be_{0.9}Ni_{0.1}$	2.38(Arc melted)		A2		1057
$Be_{0.9}Ni_{0.1}$	0.58(Slow cool)		Compound		1057
$Be_{0.934}Ni_{0.066}$	0.88(Arc melted) 0.66(Slow cool)		Compound		1057
$Be_{0.96}Ni_{0.04}$	0.76(Arc melted)		Compound		1057
$Be_{22}Os$				1.0	1769
$Be_{13}Os$				1.0	1769
Be_5Os	9.2				1769
Be_2Os	3.07				712
$Be_{0.95}Os_{0.05}$	0.57		Compound		1057 590
$Be_{0.9}Os_{0.1}$				1.0	1769
$Be_{0.8}Os_{0.2}$	8.6				1769
$Be_{0.1-0.7}Os_{0.9-0.3}$				1.0	1769
$Be_{22}Os_{0-0.005}Re_{1-0.995}$	~9.8				1769
$Be_{13}Os_{0-1}Re_{1-0}$				9.9	1769
$Be_{0.86}Pb_{0.14}$	9.7(Extrapolated bulk value)				▽1903
$Be_{22}Pd$				0.45	1057 1769
$Be_{13}Pd$				1.0	1769
$Be_{12}Pd$			TET	1.4	1769
Be_5Pd			$C15_b$	0.35	270 1769 037
$Be_{22}Pd_{0-0.005}Re_{1-0.995}$	~9.8				1769

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Be_{13}Pd_{0-1}Re_{1-0}$				9.9	1769
$Be_{0.95}Pt_{0.005}$				0.45	1057
Be_5Pt	2.3				1769
$Be_{13}Pt_{0-1}Re_{1-0}$				<9.9	1769
$Be_{22}Pt_{0-0.005}Re_{1-0.995}$	~9.8				1769
$Be_{22}Re$	9.33 9.55(Annealed)	HF	CUB		1390 566
Be_2Re			C14	1.4	1769 427
$Be_{0.995-0.92}Re_{0.005-0.08}$	8.9-9.75(Quenched)	HF			567# 1390
$Be_{0.98}Re_{0.02}$	9.75(Quenched)	HF	CUB		567 1390
$Be_{0.957}Re_{0.043}$	9.67(Annealed) 9.62 (Quenched)				567#
$Be_{0.96}Re_{0.04}$	9.50	HF			1390 590 1057
$Be_{22}Re_{0.95}Os_{0.05}$	9.2	HF			1390
$Be_{13}Re_{1-0}Rh_{0-1}$				9.9	1769
$Be_{22}Re_{1-0.99}Ru_{0-0.01}$	9.8-9.2	HF			1769 1390
$Be_{13}Re_{1-0}Ru_{0-1}$				9.9	1769
$Be_{13}Re_{1-0}Ti_{0-1}$				9.9	1769
$Be_{13}Re_{1-0}V_{0-1}$				9.9	1769
$Be_{13}Re_{1-0}W_{0-1}$				9.9	1769
$Be_{22}Re_{0.95}W_{0.05}$	9.45	HF			1390
$Be_{13}Re_{1-0}Zr_{0-1}$				9.9	1769
$Be_{49}Rh$				1.4	1769
$Be_{22}Rh$				1.0	1769
$Be_{0.95}Rh_{0.05}$				0.45	1057
$Be_{13}Rh$				1.0	1769
$Be_{8.5}Rh$				1.4	1769
Be_5Rh				1.0	1769
$Be_{4.4}Rh$				1.4	1769
Be_2Rh	1.37				712 1922 1769
BeRh				1.4	1769
$Be_{22}Ru$				1.0	1769
$Be_{13}Ru$	1.3				1769
$Be_{17}Ru_3$				1.15	712
Be_5Ru				1.0	1769
Be_2Ru	1.35				712

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Be_{0.95}Ru_{0.05}$	1.47		Compound		1057 590
$Be_?S_?$				1.4	1769
$Be_{22,13,2}$				1.4	1769
$Be_{0.62}Si_{0.38}$(Rapid quench)	~9-0(Very broad)				1784
$Be_xSi_{1-x}V_3$	17-15.6				1983
$Be_{12}Ta$			TET	1.38	1909 1922
$Be_{17}Ta_2$				1.38	1909
Be_2Ta_3	1.0		TET		927
$BeTa_2$			C16	0.06	1377
BeTc	5.21		CUB		566
$Be_{13}Th$			$D2_3$	0.04	1769 1964# 712
$Be_{17,12,4,2,1}Ti$				1.4	1769
$Be_{13,12}Ti$				1.15	712
Be_2Ti			C15	1.02	270
$Be_{13}U$			$D2_3$	0.04	1769 1909 1964
$Be_{22}W$	4.12	HF	CUB		1922 566
$Be_{13}W$	4.1		TET		427
$Be_{12}W$			TET	1.7	1922
$Be_{21}W_5$				1.15	712
Be_2W			C14	1.4	1769 427
$Be_{13}Y$				1.4	1769
$Be_{16}Zr$			$D2_3$	1.15	712
$Be_{13}Zr$			$D2_3$	1.15	1909 1769 712 427
$Be_{17}Zr_2$				1.15	712
Be_2Zr			C32	1.4	1769 427
Bi (I)			A7	0.05	012 078 1264
Bi (II) (25-27 kbar)	3.9	320(785) HF(437)			203 213 214 1701 1282 437 199 785
Bi III (~37, 27-28.4 kbar)	6.55, 7.25	HF(437)			973 203 213 214 1282 1701 437 199
Bi IV (43, 43-62, 90-250;kbar)	7.0;8.7-6.0				903 1702
Bi V (68, 81 kbar)	6.7, 8.3				903 780 904
Bi VI (90 kbar) (Exists from 92-101 kbar)	8.55				903 1701 904

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Bi VII (30 kbar?)	8.2				1701
Bi(690 Å, 750Å)(Deposit 1.5, 4.2K)	6.17, 6.15				▽737 ▽1548 ▽1218 ▽1562 ▽1136 ▽078 ▽213 ▽215 ▽152 ▽251 ▽388 ▽395 ▽773 ▽602
Bi(500-30Å)(Deposited at ^{3}He Temp.)	6.13-2.3				▽1893 ▽1545 ▽1868
Bi(50-~15Å)	~5-~2				▽1259
Bi(Ne, Xe)(Deposit 10K)	Decreases				▽1229
Bi(Cr, Mn)(Deposited at low Temp)					▽296
Bi(470-2750Å)(Deposit ~8K)	6.14	HF			▽1541 ▽1679
BiC				0.3	606
$Bi_{0.3}C_{1.45}Y_{0.7}$				4.0	870
$Bi_{0.1}C_{1.45}Y_{0.9}$	9.35		$D5_c$		870
Bi_3Ca	2.0				153 008 028 002
Bi_2Ca_3				1.38	008
$Bi_{0.6}Cd_{0.4}$(Weight fraction)	0.53	Data given			1204
BiCd(Eutectic)				1.88	099
$Bi_{0.28}Cd_{0.19}In_{0.53}$ (Weight fraction)	5.85	HF			1917
$Bi_{0.5}Cd_{0.125}Pb_{0.25}Sn_{0.125}$ (Weight fraction)	8.20				109
$Bi_{0.5}Cd_{0.1}Pb_{0.27}Sn_{0.13}$		HF			402
$Bi_{0.396}Cd_{0.594}Sn_{0.0099}$ (Weight fraction)				1.3	1917
$Bi_{0.54}Cd_{0.20}Sn_{0.26}$ (Weight fraction)	3.69	HF			1917
Bi_2Ce				1.28	011 008
BiCe			B1	1.28	011 158
BiCo	0.49-0.42				606
$BiCo_{0.1}Sc_{0.9}$				1.1	262
Bi_2Cr				1.57	002
BiCr				0.3	606
Bi_2Cs	4.75		C15		052# 007 153
$BiCs_3$			CUB	1.5?	052 158
$BiCs_2$				1.5?	052

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
BiCu	2.20				154 099 197
Bi_xCu_{1-x}(Electrodeposited)	2.2				197
BiCu	1.40-1.33				606
$BiCu_3$				1.5?	095
BiCuMg			$C1_b$	1.28	011
BiFe				0.3	606
$Bi_{0.15}Ga_{0.15}Nb_3Sn_{0.7}$	18.04				1982
$Bi_{0-0.25}Ga_{0-0.25}Nb_3Sn_{1-0.5}$	18.05-18.3-17.4				1982
Bi_2Ge				1.28	011
$Bi_{0.15}Ge_{0.15}Nb_3Sn_{0.7}$	17.75				1982
$BiIn_2$	5.60	870	HEX		1198# 634 122 1978
$BiIn_2$(Intrinsic Type II) (RRR=60-72)	5.87	590, HF			1978
BiIn			B10	0.5	634, 122
Bi_3In_5	~4.2, 4.1		Data given		1112 634
$Bi_{0.42-0.85}In_{0.58-0.15}$ (0-24 kbar)	7.3-7.8				1919
$Bi_{0.34-0.48}In_{0.66-0.52}$	4.0-4.1				634
$Bi_{0-0.05}In_{1-0.95}$	3.398-4.25	HF			1650 799
$Bi_{0-0.003}In_{1-0.997}$	T_c'(-0.0129+ 0.0119)				319 320
$Bi_{0.343}In_{0.657}$	5.55, 5.20 (30 kbar)				843
$Bi_{0.15-0.30}In_{0.85-0.70}$	5.3-5.4				634
$Bi_{0.1}In_{0.9}$	5.05				634
$Bi_{0.05}In_{0.95}$	4.65				634
$Bi_{0.025}In_{0.975}$(0-18 kbar)	4.07-3.47				1247
$Bi_{0.02}In_{0.98}$	3.845	HF			1121 666 1612 544
$Bi_{0.019}In_{0.981}$	3.86	336			722
$Bi_{0.015}In_{0.985}$	3.725	HF			842 666
BiIn(Co-condensed 4.2K)	7.95 Max.	HF			▽1732 ▽1235 ▽1619 ▽1089 ▽822
$Bi_{0.15}In_{0.15}Nb_3Sn_{0.7}$	18.01				1982
BiIr				0.35	491
$BiIr_2$				0.35	491
Bi_2Ir	3.96-3.0(Quenched) ~2.3-1.7				606

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Bi_2K	3.58		C15		153# 094 008 014 198
Bi_2K(0-10 kbar)	3.57-3.9-3.7	HF			897
BiK	3.6?				095
Bi_2K_3				3.6	008
BiK_3			DO_{18}	1.40	008 153
BiLi	2.455		$L1_o$		1351 153# 008 013
$BiLi_3$			DO_3	1.43	008
Bi_2Mg_3			$D5_2$	1.4-1.5	008 158 060
$Bi_{4-9}Mg$	~1-0.70				606
BiMn			$B8_1$	0.3	606 011 000 158
BiMo				1.28	011
Bi_3Mo	3.7-3.0				606
$BiNa_3$			DO_{18}	1.40	008 198
BiNa	2.25		$L1_o$		004 153# 198 014
$BiNb_3$(High P and Temp.)	2-4.5		A15		508 311
$BiNb_3$			CUB	2.25	508
$Bi_{0-0.3}Nb_3Sn_{1-0.7}$	18-18.2-18.09				1982 311 299
$Bi_{0.15}Nb_3Sn_{0.85}$(Sintered)	18.23				1982
$Bi_{0.15}Nb_3Sn_{0.7}Tl_{0.15}$	18.12				1982
Bi_3Ni	4.06		ORTHO		008 062 011 153
BiNi	4.25		$B8_1$		008 037 153
Bi_xNiSb_{1-x}			$B8_1$	1.4	396
BiOs				0.3	606
$Bi_{\sim0.65}Pb_{\sim0.35}$(Weight fraction, eutectic)	8.8, 8.7	HF(402)			085 082 109 402 404 406
$Bi_{0.5}Pb_{0.5}$	8.4	HF			310 384 080
$Bi_{0.45}Pb_{0.55}$	8.4	1083			1485
$Bi_{0.38-0.88}Pb_{0.62-0.12}$	8.5-4.6	HF(1102			851 1102
$Bi_{0.35}Pb_{0.65}$	8.7	HF			403 404 406
$Bi_{0.3}Pb_{0.7}$	8.63	HF			1318
$Bi_{0.26}Pb_{0.74}$	8.3				851
$Bi_{0.23}Pb_{0.77}$	7.8				851
$Bi_{0.2}Pb_{0.8}$	8.15	HF			402 404
$Bi_{0.1}Pb_{0.9}$	7.95	HF			402 404 322 348

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Bi_{0.07}Pb_{0.93}$	7.7	HF			402 404
$Bi_{0.05-0.40}Pb_{0.95-0.60}$	7.35-8.4	HF			677 949 685
$Bi_{0-0.56}Pb_{1-0.44}$		HF			855 1288 322
$Bi_{0-0.2}Pb_{1-0.8}$	7.25-8.0		A1		851
$Bi_{0-0.11}Pb_{1-0.89}$	T'_c(+0.39)				1133 861
$Bi_{0-0.2}Pb_{1-0.98}$	T'_c(+0.07)				1165 852
$Bi_{0.01-0.05}Pb_{0.99-0.95}$		890-810-941			1724#
$Bi_{1-0}Pb_{0-1}$	7.26-9.14				083
$Bi_{0.7-0.95}Pb_{0.3-0.05}$(P~20 kbar)	8-5, 5-6				1746
$Bi_{0.625}Pb_{0.375}$	8.05 7.25(After 30 kbar)				843
$Bi_{0.575}Pb_{0.425}$(P=12-18 kbar)	7.96-8.03		HEX		1457
$Bi_{0.1-1}Pb_{0.9-0}$(Amorphous, deposit 4.2K)	6-7.1				851 ∇1126
$Bi_{0.45}Pb_{0.55}$(Amorphous)	7.0	916			1485
$Bi_{0.3-0.56}Pb_{0.7-0.44}$(In porous glass ~20-60Å)	6.2-8.5	HF			1459 1716 1319 1045
$Bi_{1-0}Pb_{0-1}$	7.25-8.67	HF			∇484 ∇1235 ∇750
$Bi_{0.25-0.75}Pb_{0.75-0.25}$ (Quench condensed)	6.9-7.0				∇1548
$Bi_{0.25}Pb_{0.75}$(Deposit 4.2K, 1260Å)	6.9	HF			∇1774 ∇1949 ∇1545
$Bi_{0-0.56}Pb_{1-0.44}$(Weight fraction, ~1500Å	7.3-8.5				∇1865
$Bi_{1-0.92}Pb_{0-0.08}$(500-1100Å)	6.154-6.032				∇737
$Bi_{0.95}Pb_{0.05}$				1.03	∇484
BiPbSb	8.9				111
BiPbSb(In porous glass, 32Å, 57Å)	7.83, 8.15	HF			1459
$Bi_{0.08-0.46}Pb_{0.84-0.24}Sb_{0.08-0.30}$(In porous glass, 32Å)	7.2-6.9-8.16	HF			1459
$Bi_{0.525}Pb_{0.32}Sn_{0.155}$ (Weight fraction)	8.68	HF			1917 109 402
$Bi_{0.5}Pb_{0.25}Sn_{0.25}$	8.5				109
$Bi_{0-0.4}Pb_{1-0}Tl_{0-1}$	7.36-1.2		CUB		1308
$Bi_{0.015-0.15}Pb_{0.97-0.7}Tl_{0.015-0.15}$	7.204-7.376	HF			1713

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Bi_{0-0.025}Pb_{1-0.975}Tl_{0-0.025}$	T_c'(-0.01+0.02)				1165
$Bi_{\sim 0.01}Pb_{0.98}Tl_{\sim 0.01}$		828			1724#
Bi_2Pd	4.25		TET		006 050 056 153
Bi_2Pd	1.73		MONO		008 006 050 056
BiPd	3.74		ORTHO		038 005 050 107
$Bi_{0.33}Pd_{0.67}$	4(broad)				005 050 095
$Bi_{0.25}Pd_{0.75}$				Data given	145
$Bi_{0.4}Pd_{0.6}$	3.7-4		$B8_1$		198 425
BiPdSe	1.0		C2		413 414
BiPdTe	1.2		C2		413 414
BiPr			B1	Data given	158 270
Bi_2Pt(beta)	0.155, 0.18	9.5	HEX, C2		060 1993 158 002 095 051
Bi_2Pt(Low Temp. form-alpha)				1.45-1.8	002 051
[illegible]	2.4, 1.21		$B8_1$		158 129 037
Bi_3Pt				1.8	002
$Bi_{0.1-1}PtSb_{0.9-0}$	1.21-2.05		$B8_1$		396
BiPtSe	1.45		C2		413 414
BiPtTe	1.15		C2		413 414
Bi_2Rb	4.25		C15		053 007 153
$BiRb_2$, $BiRb_3$, Bi_2Rb_3				Data given	053
$BiRe_2$	2.20-1.9				606
Bi_2 Rh(Alpha form)			MONO	1.34	059 002 057 008 287
Bi_2Rh(Beta form)			MONO	1.30	059 057 008
BiRh	2.06-2.2		$B8_1$		1588 061 008 153
Bi_3Rh	3.2		ORTHO		059 057 145 153 286
$Bi_{0.8}Rh_{0.2}$	2.7		HEX		155 057 145 153 059
Bi_4Rh(Alpha form)			CUB	0.10	002 055 057 059
BiRu, $BiRu_2$				0.35	491

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
BiRu	5.7, 4.12 3.31 2.7-<2(quenched)				606
Bi_2S				1.90	119
BiS				0.3	606
BiS_3				Quoted	008
Bi_2S_3			$D5_8$	0.10	060 270 084 119
BiSb				1.28	011
$Bi_{1-0.95}Sb_{0-0.05}$(~700-900Å)	6.154-6.374				∇737
$Bi_{1-0.4}Sb_{0-0.6}$(Deposit 77K)	5.8-1.7				∇1904 ∇1538#
BiSc				0.3	606 262
Bi_2Se_3				1.26	084
$Bi_{0-0.01}Si_{1-0.99}$					320
Bi_3Sn	3.77-3.72 3.67-3.63				606
$Bi_{0.57}Sn_{0.43}$(Weight fraction)	2.25	HF			1917
$Bi_{0.6}Sn_{0.4}$(~25 kbar, 77K)	7.0	HF			1091
$Bi_{0.5}Sn_{0.5}$(~25 kbar, 77K)	7.2, 788	HF	MON		1091 1084
BiSn	3.72 4.20 (30 kbar)				843
BiSn(Eutectic)	3.80	130(at 3.48K)			070 090 085
$Bi_{0.4}Sn_{0.6}$(~25 kbar, 77K)	7.34	HF			1091
$Bi_{0.02-0.10}Sn_{0.98-0.9}$	3.85-4.18				036
$Bi_{0.1-0.8}Sn_{0.9-0.2}$(~30 kbar, ~360K)	6.5-7.4	HF			1701 ∇1089
$Bi_{0-0.01}Sn_{1-0.99}$	3.730-3.734, 3.700		TET		318# 320 345 341 1153
Bi_3Sr	5.7, 5.62	530	$L1_2$		011 095 198 715
Bi_3Te	~1.0-0.75				606
Bi_2Te_3(See Table 4)				1.26	084
$BiTe_2Tl$(See Table 4)					
Bi_5Th_3				1.13	1582
$BiTi_3$			TET	1.15	712 1582 412
$Bi_{0.86}Tl_{0.14}$(after 30 kbar)	6.50				843 1878
$Bi_{0.62-0.18}Tl_{0.38-0.82}$	6.6-2.3				736 1264
Bi_5Tl_3	6.4	HF			090 404 085 109 074
$Bi_{0.26}Tl_{0.74}$	4.4(Disordered) 4.15(ordered)				265

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Bi_xTl_{1-x}	T'_c(+0.16)		HEX		858 591 209
$Bi_{1-0.87}Tl_{0-0.13}$(550-820Å)	6.154-6.220				▽737 ▽990
$Bi_{0.85}Tl_{0.15}$ (1260Å, 1500Å)	6.23, 6.2	HF			▽1774 ▽1949
BiV_3			A15	4.2	825
BiW				0.3	606
Bi_2Y_3	2.25				173
BiY			B1	Discussed	411
Bi_3Zn	0.87-0.77				606
$BiZr_3$	2.84-2.35 3.4-0.4(Annealed)				606
$Bi_{0.3}Zr_{0.7}$	1.51				270
Bi_2Zr				1.13	1582
Br_2Cu				1.28	011
C(pyrolytic graphite)				0.011	494
C(Graphite and carbons)				1.3	046
C(See Table 3)					
$C_{1.35}Ca_{0.1}Y_{0.9}$	10.5-11.5				870
$C\,CdTi_2$			HEX	1.1	632
C_2Ce				1.28	011 784
$C_3Ce_{0.2}Th_{1.8}$			$D5_c$	4.0	1222
$C\,Co_{0.05-0.01}Ta_{0.95-0.99}$	Data given				262 263 271
C_2Cr_3				1.28	011 010
$C_{0.3}Cr_{0.7}$, $C_{0.2}Cr_{0.8}$				1.20	010
$C\,Cr_2Ga$			HEX	1.1	632
$C_{1.45}Cr_{0.1}Y_{0.9}$	12.4		D5c		870
C_8Cs(Gold)	0.020-0.135		HEX		494
$C_{16}Cs$(Blue)				0.011	494
C_2Dy				2.0	784
C_2Er				2.0	784
$C_3Er_{0.4}Th_{1.6}$	8.2		$D5_c$		1222
$C_3Er_{0.6}Th_{1.4}$	8.1		$D5_c$		1222
$C_3Er_{0.8}Th_{1.2}$	7.0		$D5_c$		1222
C_3ErTh	4.6		$D5_c$		1222
$C_3Er_{0.1}Th_{1.9}$	6.8		$D5_c$		1222
$C_3Er_{0.2}Th_{1.8}$	8.2		$D5_c$		1222
$C_{1.5}Er_xTh_{1-x}$	4-8-4.6		CUB		1971
$C\,Fe_3$				1.3	119
$C\,GaLa_3$			CUB	1.02	1564

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$CGaMo_2$	4.1-3.7		HEX		635
C_2Gd				2.0	784
$C_{1.5}Ge_3La_5$	3.3-3.7		CUB		767
$C_{10}Ge_{0.01-0.16}Sc_{13}$	7.0-8.5		CUB		871
$C_{0.05}Ge_3V_5$			$D8_8$	1.02	270
$C_{1.35}Ge_{0.1}Y_{0.9}$	10.6		$D5_c$		870
C Hf			B1	1.23	020 119 238 1813
$C_{0.985}Hf$				1.28	559 558 560
$C\,Hf_2In$			HEX	1.1	632
$C\,Hf_{0.9-0.75}Mo_{0.1-0.25}$			B1	1.4	559 558 560
$C\,Hf_{0.5-0.07}Mo_{0.5-0.93}$	3.4-9.0-8.2		B1		559 558 560
$C_{0.75}Hf_{0.05}Mo_{0.95}$	14.2		B1		650
$C\,Hf_{0-0.2}Mo_{1-0.8}$	14.3-11.7		B1		1006
$C\,Hf_{0.9-0.75}Mo_{0.1-0.25}$			B1	1.4	1813
$C\,Hf_{0.15}Mo_{0.85}$	9.0		B1		1813
$C\,Hf_{0.5-0}Mo_{0.5-1}$	3.4-9.0-6.5		B1		1813
$C_{0.1-0.35}HfN_{0.9-0.65}$	8.5-4.9				1238
$C_{0-1}Hf_{0-1}N_{1-0}Nb_{1-0}$	14.9-15.5-12.7		B1		1238
$C_{0.25}Hf_{0-0.5}N_{0.75}Nb_{1-0.5}$	17.4-8.5				1511
$C_{0-0.25}Hf_{0-0.25}N_{1-0.75}Nb_{1-0.75}$	14.7-12.8				1511
$C_{0.25}Hf_{0-0.25}N_{0.75}Nb_{1-0.75}$	17.4-12.7				1511
$C\,Hf_{0.8-0.2}Nb_{0.2-0.8}$	5.4-6.1-4.5-7.8		B1		559 558 560
$C\,Hf_{0.9}Nb_{0.1}$			B1	4.2	559 558 560
$C\,Hf_{0.9-0.1}Ta_{0.1-0.9}$	5.0-9.0		B1		559 558 560
$C\,Hf_{0.6}Zr_{0.4}$			B1	1.28	558
C_2Ho				2.0	784
$C_3Ho_{0.6}Th_{1.4}$	5.2		$D5_c$		1222
$C_3Ho_{0.4}Th_{1.6}$	5.5		$D5_c$		1222
$C_3Ho_{0.2}Th_{1.8}$	5.4		$D5_c$		1222
$C_{1.5}Ho_xTh_{1-x}$	4-5.5-5.2		CUB		1971
$C\,In\,La_3$			CUB	1.02	1564
$C\,In\,Nb_2$			HEX	1.1	632
$C_{1.35}In_{0.15}Y_{0.85}$				4.0	870
$C\,In\,Zr_2$			HEX	1.1	632
$C\,Ir_2Mo_3$	1.8		CUB		793

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$CIrMo_3$	3.2		CUB		793
C_2IrU_2			TET	0.3	1018
CIr_2W_3	2.1		CUB		793
C_8K(gold)	0.55, 0.39	HF	HEX		494
$C_{16}K$(blue)			HEX	0.011	494
C_2La	1.44, 1.61		C11a		784 863 1148
$C_{1.58}La$	9.6		CUB		1148
C_3La_2	11.0		$D5_c$		1971 869 1148
$C_{1.3}La$	8.3(Arc melt)		CUB		1148
$C_{13}La$(Prepared with high P)	4.8		CUB		1148
CLa_3Pb			CUB	1.02	1564
CLa_3Sn			CUB	1.02	1564
$C_{1.45}La_{0.5}Th_{0.5}$(P preparation)	14.2		CUB		1148
$C_{1.45}La_{0.1-0.8}Th_{0.9-0.2}$ (Arc Melt)				3.9	1148
$C_{1.2-1.6}La_{0.1-0.9}Th_{0.9-0.1}$ (Various preparations)	10.2, 10.6-14.3		CUB		1148
$C_{1.4}La_xTh_{1-x}$	4-14.2... 14.2-4		CUB		1971
$C_{1.5}La_{0.9}Th_{0.1}$	12.9		CUB		1971
CLa_3Tl			CUB	1.02	1564
C_2Lu	3.33(863)		TET	2.0	863 784
$C_{1.5}Lu_{0-0.4}Th_{1-0.6}$	4-11.7-11.5		CUB		1971
$C_3Lu_{0.8-0.2}Th_{1.2-1.8}$	11.6-11.7-10.3		$D5_c$		1222
CMn			HEX	1.7	1795
$CMn_{0.02}Mo_{0.98}$("Splat" cooled)			CUB	1.7	1795
CMo	14.3		B1		1006 1036 1824
CMo(Quenched)	9.26, 7.7, 6.5	HF(1098)	HEX		011 1824 021 069 089 333 815 558 119 1132 1098 559 560 497
CMo_2	6, 4, 10.8, 12		ORTHO		966 650 1132 069 089
CMo_2	3.45-5.8, 7.1, 2.78	HF(1098)	L_3		1132 815 011 069 089
$C_{0.44}Mo_{0.56}$	13.0				1824
$C_{0.69}Mo$	12.1	HF	B1		966#
$C_{0.64}Mo$	8.0	HF	HEX		966#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
$C_{0.42}Mo$	2.8		L'_3		966#
$C_{0.40-0.44}Mo_{0.60-0.56}$ (Various hot pressings and quench)	9-13				573 571 691
$C_{0.4}Mo_{0.6}$(plus 2% VC)	11.2-13.2				571
$C_{0-0.9}Mo_{1-0.1}$(Deposit 78K, 60Å plus)	1.3-6.9-<1.5				∇1734
$C_{0.2}Mo_{0.8}$(60Å plus 0-80Å C coat)	5.9-7.3-6.7-6.8-6.7				∇1733
$C_{0-0.2}Mo_{0-0.2}N_{1-0.8}Nb_{1-0.8}$	14.7-15.5-12.2				1511
$CMo_{1-0}Nb_{0-1}$	11.1-10.8-14.3		B1		1006 128 117
CMo_3Pt_2	1.1 (onset)		CUB		793
$C_{1-0}Mo_{2-0}Re_{0-1}$	2.8-4.3-3.4-5-1.7		HEX		1799 1366
C_2MoRe	3.8		CUB		793
$CMo_{0.9}Re_{0.1}$	13.8		B1		1006
CMo_3Re_2			HEX	1.0	793
$CMo_{0.9}Ru_{0.1}$	13.6		B1		1006
$C_{0.6}Mo_{4.8}Si_{0.3}$	7.6		$D8_8$		650
$CMo_{0.85-0.2}Ta_{0.15-0.8}$	8.9-7.5		B1		559 558 560
$CMo_{1-0}Ta_{0-1}$	6.5-8.9-7.4		B1		1813
$CMo_{0.85}Ta_{0.15}$	8.9		B1		1813
$CMo_{1-0}Ta_{0-1}$	10.1-8.3-14.3		B1		1006
$CMo_{0.83}Ti_{0.17}$	10.2		B1		522 128 117
$CMo_{1-0.8}Ti_{0-0.2}$	14.3-12.0		B1		1006
$CMo_{1-0.8}V_{0-0.2}$	14.3-12.7		B1		1006
$C_{0.5}Mo_{0.25-0.4}V_{0.25-0.1}$	2.9-9.30				128 117
$CMo_{1-0}W_{0-1}$	14.3-8.8-10.0		B1		1006
$C_{1.45}Mo_{0.1}Y_{0.9}$	13.8		$D5_c$		870
$CMo_{1-0.8}Zr_{0-0.2}$	14.3-10.9		B1		1006
$C_{0.5}Mo_{0.17}Zr_{0.42}$	3.8-9.5				128 117
$C_{0.25}N_{0.75}Hf_xNb_{1-x}$	17.6-8.5				1238
$C_{0-1}N_{1-0}Nb_{1-0}$	14.9-18.0-11		B1		1238
$C_{0-1}N_{1-0}Nb$	14.7-17.7-10.7				1511
$C_{0.1-0.9}N_{0.9-0.1}Nb$	16.7-17.8-10.5		B1		559 558 561
$C_{0.35}N_{0.65}Nb$	17.8		B1		559
CNNb	17.3 max.				1383
$C_{0.1}N_xNb$	11-17-16				1234
$C_{0.2}N_xNb$	13-17.5				1234

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$C_{0.3}N_xNb$	14-17.8				1234
$C_{0.5}N_xNb$	14.5-17.8				1234
$C_{0.25-0.3}N_{0.75-0.7}Nb$	17.8				037 1234 1510#
$C_{0.026}N_{0.974}Nb$	17.2-17.3				1234
CNNb		HF			1038 572#
$C_xN_{1-x}Nb$(Whiskers)	8.5-17.3	HF			582
$C_{0-0.3}N_{1-0.7}Nb_{1-0.7}Ta_{0-0.3}$	14.7-13-15.7				1511
$C_{0.25}N_{0.75}Nb_{1-0.6}Ta_{0-0.4}$	17.4-15				1511
$C_{0-1}N_{1-0}Nb_{1-0}Ta_{0-1}$	14.9-16.5-10.2		B1		1238
$C_{0-0.4}N_{1-0.6}Nb_{1-0.6}Ti_{0-0.4}$	14.7-18-16.8				1511
$C_{0.25}N_{0.75}Nb_{1-0.5}Ti_{0-0.5}$	17.4-17.8-15.5				1511
$C_{0.25}N_{0.75}Nb_{0.85}Ti_{0.15}$	17.8				1511
$C_{1-0}N_{0-1}Nb_{0-1}Ti_{1-0}$	14.9-17.8-<2.5		B1		1238
$C_{0.25}Nb_{0.75}Nb_{1-x}Ti_x$	17.6-17.8-16				1238
$C_{0.15}N_{0.85}Nb_{0.85}Ti_xZr_{0.15-x}$	17.5-14.7				1238
$C_{0.25}N_{0.75}Nb_{0.85}Ti_xZr_{0.15-x}$	17.7-15.5				1238
$C_{0-1}N_{1-0}Nb_{0-1}V_{1-0}$	14.9-<2.5		B1		1238
	8.7-8.8-<2.3-11.1		B1		1238
$C_{0.2}N_{0.8}Nb_{0.8}V_{0.2}$	5.5				1511
$C_{0.25}N_{0.75}Nb_{1-0.62}V_{0-0.38}$	17.4-4.0				1511 1238
$C_{0-1}N_{1-0}Nb_{1-0}Zr_{0-1}$	17.6-11.5		B1		1238
$C_{1-0.62}N_{0-0.38}Ta$	10-11.3		B1		1824
$C_{0-1}N_{1-0}Ta_{0-1}V_{1-0}$	8.7-<2.3-10.0				1238
$C_{0-1}N_{1-0}Th$	<2-5.6-3.3		B1		1971
$C_{0.78}N_{0.22}Th$	5.6		B1		1971
$C_{0-1}N_{1-0}Ti_{0-1}V_{1-0}$	8.7-<2.3				1238
$C_{0-1}N_{1-0}V$	8.7-9.7-<2.3				1238
C_1Nb_1	12-14(Extrapolated)				271
$C_{0.98}Nb$	11.56				1703#
$C_{0.99-0.80}Nb$	11.18-11.56-<1.5		B1		1703# 1510# 559 558 560
$C_{0.977-0.83}Nb$	11.1-1.05		B1		1961 271
$C_{0.79-0.70}Nb$			B1	1.05	1961 1510# 271
$C_{\sim 0.7-0.99}Nb$	<2-11		B1		967# 497 271
$C_{\sim 1}Nb$	11.1 max.		B1		1542# 1238 1006 270 010 011 069

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$C_{\sim1}Nb$		HF			1244 582 571 1035 1038
CNb_2	9.1(474)		HEX	1.98 (284 397 967)	474 284 397 010 967 572#
C_xNb(Whiskers)	7.5-10.5	HF			582
C_xNb_{1-x}(Deposited 700°C	<2.5-9.6	HF			∇1345
$C_{0.05}Nb_5Si_3$			$D8_8$	1.02	270
CNb_2Sn			HEX	1.1	632
$C_{0-0.05}Nb_3Sn$(Vapor deposition)	18.2-16.3		A15		1804
$CNb_{1-0}Ta_{0-1}$	11.1-8.9-10.1		B1		1006
$CNb_{1-0}Ta_{0-1}$	8.2-13.9				628
$CNb_{0.4}Ta_{0.6}$	10-13.6	HF	CUB		990
$CNb_{0.2-0.8}Ta_{0.8-0.2}$	9.4-9.7		B1		559 560 558
$CNb_{0.9-0.1}Ti_{0.1-0.9}$	8.8-4.6-5-<4.2		B1		559 558 560
$CNb_{0.1}Ti_{0.9}$			B1	4.2	559 558 560
$CNb_{0.9-0.5}V_{0.1-0.5}$	5.7-<~2				1238
$CNb_{1-0}W_{0-1}$	11.1-13.5-10.0		B1		1006
$CNb_{0.9-0.6}W_{0.1-0.4}$	11.6-12.7-12.5		B1		558
$C_{1.35}Nb_{0.1}Y_{0.9}$	10.8		$D5_c$		870
$CNb_{0.9-0.1}Zr_{0.1-0.9}$	8.4-4.8-6.4-4.2		B1		559 558 560
C_2Nd				2.0	784
$C_3Nd_{0.2}Th_{1.8}$			$D5_d$	4	1222
C_2OsU_2			TET	0.3	1018
COs_2W_3	2.9		CUB		793
$CPbTi_2$			HEX	1.1	632
$C_{0.6}Pd$(Ion implant)	1.3 Max.				164
C_2Pr				2.0	784
$C_3Pr_{0.2,0.4}Th_{1.8,1.6}$			$D5_c$	4	1222
C_2PtU_2	1.47		TET		1018
CPt_2W_3	1.2		CUB		793
C_8Rb(Gold)	0.023-0.151				494
$C_{16}Rb$(Blue)				0.011	494
$C_{0.04}Re_{0.96}$ (Quenched)	1.98				712
$C_{0-1}Re_{1-0}W_{2-0}$	2.7-3-1.7		HEX		1799
C_2ReW	3.8		CUB		793
CRe_2W_3			A13	1.0	793

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$CRe_{0.01-0.08}W$	2.6-5.0-1.3	HF			603
$C_{1.35}Re_{0.3}Y_{0.7}$				4.0	870
CRh	1.6		B_i		1735 011
CRh(Prepared 160-180 kbar and Temp. to 1000°C)	3.4		B1		1735
C_2RhU_2			TET	0.3	1018
$C_?Ru$	~2.04(112)?			1.90	112 119
C_2RuU_2			TET	0.3	1018
$C_{1.35}Ru_{0.1}Y_{0.9}$	11.2		$D5_c$		870
$C_{1.35}Ru_{0.3}Y_{0.7}$				4.0	870
$C_{0.96}Sc$			B1	1.38	558
C_3Sc_4			CUB	1.0	871
$C_3Sc_{0.2-1}Th_{1.8-1}$	6.7-7.2-6.0-7.1		$D5_c$		1222
$C_3Sc_{1.4}Th_{0.6}$	5.4				1222
$C_3Sc_{0-1.2}Th_{2-0.8}$	4-7.0		CUB		1971
CSi				1.28	011
$C_{0.05}Si_3V_5$			$D8_8$	0.35	270
$C_{1.35}Si_{0.1}Y_{0.9}$	11.3		$D5_c$		870
C_2Sm				2.0	784
$C_{1.35}Sn_{0.1}Y_{0.9}$	10.2		$D5_c$		870
CTa	10.35	HF	B1		1542# 1244 1006 1238 571
$C_{0.83-0.99}$	1.9-9.9		B1		271 1703# 1961 967# 333 263 069 040 018 010 559 558 560
$C_{0.754}Ta$			B1	1.05	1961 271
$C_{0.47}Ta$			C6	1.6	967#
CTa_2	3.26		L'_3	1.98 (397 284)	010 474 264 397 284
CTa(Sputtered, 947Å)	5.09		B1		∇505
$CTa_{0.4}Ti_{0.6}$	4.8		B1		558
$CTa_{1-0}W_{0-1}$	10.1-10.2-9.0-10.0		B1		1006
$CTa_{0.45}W_{0.55}$	10.5				128
$CTa_{0.5}W_{0.5}$	10.1				694
$CTa_{1-0.4}W_{0-0.6}$	8.5-10		B1		694

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$CTa_{0.9-0.3}Zr_{0.1-0.7}$	8.3-4.6-5.1		B1		559 558 560
$CTa_{0.2}Zr_{0.8}$			B1	4.2	559
C_2Tb				2.0	784
CTc(Excess C)	3.85		CUB		633
CTh			B1	1.2	1971 010 1148
$C_{112-1000\ ppm}Th$	T'_c(-0.095)	Data given			1291
$C_{1.45}Th$	4.1		CUB	3.9 (Arc melted)	1148
$C_{1.35-1.55}Th_{0.1-0.9}Y_{0.9-0.1}$	12-17.0		$D5_c$		870
$C_{1.2-2.0}Th_xY_{1-x}$			TET	4.0	870
$C_{1.5}Th_{0.1-0.7}Y_{0.9-0.3}$	12-17-14.3 4-15.2		CUB		1971
$C_{1.55}Th_{0.3}Y_{0.7}$	17.0		$D5_c$		870
$C_{1.35}Th_{0.9,0.8}Y_{0.1,0.2}$				4.0	870
$C_{1.55}Th_{0.7}Y_{0.3}$				4.0	870
$C_{1.65}Th_{0.4}Y_{0.6}$				4.0	870
CTi			B1	1.20	010 333 559 558 560 522 1238
$C_{0.91-0.69}Ti$			CUB	1.5	790
$C_{0.46,0.52}Ti$	3.32, 3.42	HF	CUB		790
$CTi_{0.4-0.7}V_{0.6-0.3}$				~2	1238
$CTi_{0.7-0.5}W_{0.3-0.5}$	2.1-6.7		B1		558
$CTi_{0.8}W_{0.2}$			B1	1.38	558
$C_{1.45-1.55}Ti_{0.1}Y_{0.9}$	14.2-14.5		$D5_c$		870
$C_{1.50}Ti_{0.3}Y_{0.7}$	12.9		$D5_c$		870
$C_{1.35}Ti_{0.1}Y_{0.9}$	10.7		$D5_c$		870
$CTi_{0.6,0.8}Zr_{0.4,0.2}$			B1	1.28	558
C_2Tm				2.0	784
CU			B1	1.20	010
$C_{1.45}U_{0.15}Y_{0.85}$			$D5_c$	4.0	870
CV(Probably low C)			B1	1.17	694 271 010 572# 1238 810#
CV_2			HEX	1.20	010 397
$C_{0.922}V$				1.28	559 558 560
$C_{0.87-0.76}$				0.03	1114 1332#
$C_{1.45}V_{0.1}Y_{0.9}$	11.5		$D5_c$		870

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$CV_{0.4}Zr_{0.6}$			B1	4.2	556
$C_{0.50}W_{0.50}$	10.0		A1		1036 1006
$C_{0.55}W_{0.45}$	8.1		A1 plus		1036
$C_{0.46}W_{0.54}$	9.0		A1		1036
CW			B_h	0.3	1037 603 018 011 040 815 011 010 1036
CW_2	2.74, 3.6		L'_3		011 010 1036
CW_2	2.85-3.05, 3.35		HEX		1132 1223
CW_2	2.4-4.05		ORTHO (HEX?)		1223
CW_2	5.2(Broad)		CUB		2.64
$C_{1.55,1.45}W_{0.1}Y_{0.9}$	14.8, 14.5		$D5_c$		870
C_2Y	3.88, 3.75		C11a		784
C_3Y_2(15-25 kbar)	6.0-11.5(Broad)		$D5_c$		868
CY_3				1.15	711 863
$C_{0.92}Y$			B1	1.38	558
$C_{1.55-1.30}Y$	6.0-11.5-8.2		$D5_c$		870
$C_{1.45}Y$	11.5		$D5_c$		870
$C_{1.45}Y_{0.9}Zn_{0.1}$	13.0		$D5_c$		870
$C_{1.35}Y_{0.8}Zn_{0.2}$				4.0	870
C_2Yb				2.0	784
CZr(Low C)				1.20	010 559 1238 558 560
Ca(99.5%)			A1	<0.017	1214 1233 270
Ca(100Å, deposited 4.2K)	4.2	HF			▽710
$CaCu_5$			$D2_d$	0.34	486
$CaGa_2$			C32	1.02	270
$CaGe_3$				0.15	427
$CaH_{18}N_6$(See Table 3)					
CaHg	1.6-<1.25		B2		1232
$CaHg_3$	1.6-1.3				1232
$CaHg_5$	1.7-1.5				1232
$CaIr_2$	4-6.15		C15		028
$CaMg_2$			C14	1.02	270
$Ca_{0.05-0.07}MoS_2$	4.0		ORTHO		1928
$Ca_xO_3Sr_{1-x}Ti$(See Table 4)		HF			1005 611
$Ca_{0.10}O_3W$	1.4-3.4		HEX		644

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H (oersted)	Crystal Structure	T_n(K)	Refs.
CaPb	7				085 111
$CaPb_3$	0.84		$L1_2$		1245 715
$Ca_{1-0.7}Pb_3Sr_{0-0.3}$	0.08-1.0		$L1_2$		1245
$Ca_{0.6}Pb_3Sr_{0.4}$	1.16		TET		1245
$Ca_{0.55-0}Pb_3Sr_{0.45-1}$	1.47-1.88		TET		1245
$CaPb_{3x}Tl_{3(1-x)}$	3.7, 3.7		$L1_2$		715
$CaPd_2$			C15	1.02	028
$CaPt_2$			C15	1.02	028
$CaRh_2$	6.40		C15		028
CaSe				1.70	002
Ca_2Si			CUB	1.68	427
CaSi			ORTHO	1.3	427
$CaSi_2$			C12	0.32	961 427
$CaSi_2$	1.58		C_c		961
$CaTl_3$	2.04		$L1_2$		715
$CaZn_5$			$D2_d$	0.34	486
Cd(RRR>38,000)	0.5173	28.05 (1960)	A3		1607 1960# 1937 1458 1166# 1661 537 1344 1506#
Cd	0.53-0.57	28.7, 30	A3		1609 1608 179 024 030 390 001 546 933 1267
Cd(Deposited 1K)	0.79-0.91 (Disordered) 0.53-0.59 (Ordered)				▽1467 ▽1310
CdCu(γ)				1.30	1009
$Cd_{0.04}Cu_{0.96}S_2$	1.3-2.0		C2		1665
$Cd_{0.06}Cu_{0.94}Se_2$	1.3-2.1		C2		1665
$Cd_{0.9}Ge_{0.1}$(Deposited 1K)	1.59-1.70 (Disordered) 0.54-0.57 (Crystalline)				1467
$Cd_{1-0.72}Hg_{0-0.28}$	0.5-1.35		HEX		732 084 091
$Cd_{0.72-0.07}Hg_{0.28-0.93}$	1.3-3.3 (Shows discontinuity at $Cd_{0.33}$)		TET		732 270 073 080
$Cd_{0.06-0}Hg_{0.94-1}$	4.09-4.15				732
CdHg	1.77, 2.15				270 073

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Cd_{0.97}Hg_{0.03}$	0.53				1506#
$Cd_{0.02-0.15}Hg_{0.98-0.85}$		HF			978 080 666
$Cd_{0-0.045}In_{1-0.955}$	T_c'(-0.17)				1184# 1086 1090 320 319 1780
$Cd_{0-0.06}In_{1-0.94}$(Quenched)	3.406 3.245		TET		728 670
$Cd_{0.08-0.16}In_{0.92-0.84}$	3.4-2.9	250-220, HF			1539# 1540
$Cd_{0.06-0.6}In_{0.94-0.4}$(Quenched)	3.55-3.00		CUB		728
$Cd_{0.1}In_{0.9}La_3$	9.55		$L1_2$		1564
$Cd_{11}La$			CUB	0.35	270
$Cd_{0.96}Mg_{0.04}$	0.24				1340#
$Cd_{0.90}Mg_{0.10}$	0.138				1340#
$Cd_{0.86}Mg_{0.14}$	0.145		HEX		1340#
$Cd_{0.80}Mg_{0.20}$	0.185		HEX		1340#
$Cd_{0.75}Mg_{0.25}$	0.160		HEX		1340#
$Cd_{0.70}Mg_{0.30}$	0.105				1340#
$Cd_{0.60}Mg_{0.40}$	0.016		ORTHO		1340#
$Cd_{1-0.6}Mg_{0-0.4}$	0.52-0.138-0.185-0.016				1340 1661
$Cd_{1-0.2}Mg_{0-0.8}$("Splat" cooled, disordered)	0.58-0.0085				1654
$Cd_{0.50}Mg_{0.50}$			ORTHO	0.015	1340# 1661
$Cd_{0.20}Mg_{0.080}$			HEX	0.015	1340# 1661
$CdMo_5S_6$	2.4-2.3, 2.6		RHOMB		1163 614
$CdMo_5S_6$(0-22 kbar)	2.6-3.7				614
Cd_6Na				1.08	258
Cd_2Na				1.06	258
CdO				1.3	119 069
Cd_xPb_{1-x}	7.0 Max.	HF(457)			080 308 084 457
$Cd_{0-0.025}Pb_{1-0.975}$	T_c'(-0.07)				1165 861
$Cd_{0.1}Pb_{0.9}$(Quench condensed at 0.4K)	6.02 6.92(Annealed)				∇1491
$Cd_{0.18}Pb_{0.32}Sn_{0.50}$ (Weight fraction)	7.50	HF			1917
$CD_{0.4}Sb_{0.6}$				1.90	099
$Cd_{0.18}Sn_{0.72}$(Eutectic)	3.65	266@1.98K			070 090
$Cd_{0-0.01}Sn_y$	3.725-3.734		TET		318# 320 345
Cd_xSn_{1-x}	T_c'(-0.085)	Data given			804

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Cd_{0.17}Tl_{0.83}$	2.3, 2.54				070 084 085
$Cd_{0.1}Tl_{0.9}$(Deposited 0.3K)	3.51 2.8(after 300-330K)				∇1900
$Cd_{0-0.0043}Tl$	T_c'(-0.027)	Data given			1095 1108 591
CdV_3			A15	4.2	825
$Cd_{0.02}Zn_{0.98}$	0.675				1052
$Cd_{0.002}Zn_{0.998}$	0.780				1052
$Cd_{0.2}Zn_{0.8}$	0.628				1052
$Cd_{0.825}Zn_{0.175}$(Weight fraction)				1.3	1917
$Cd_{0-0.08}Zr_{1-0.92}$			A3		572#
Ce			A1	0.25	023
Ce(at 10 kbar)			A1	0.4	656 542
Ce(50 kbar)	1.7				618
$CeCo_2$	0.84, 1.5		C15		655 776
$CeCo_{1.67}Ni_{0.33}$	0.46		C15		655
$CeCo_{1.33}Ni_{0.67}$			C15	0.33	655
$CeCo_{1.67}Rh_{0.33}$	0.47		C15		655
$CeCo_{1.33}Rh_{0.67}$			C15	0.33	655
$CeCo_{0-0.1}Ru_{2-1.9}$	5.2-<0.33		C15		1520 946
$CeCo_{0.2-1.7}Ru_{1.8-0.3}$			C15	0.33	1520
$CeCo_{1.8-2.0}Ru_{0.2-0}$	<0.33-0.8				1520
$CeCr_{0-0.28}Ru_{2-1.72}$	6.2-2		C15		1820
$Ce_{1-0.78}Dy_{0-0.22}Ru_2$	6.2-6.6-2.4		C15		1820 1569
$Ce_{1-0.75}Er_{0-0.25}Ru_2$	6.2-6.4-<2.4		C15		1820
$Ce_{0.35}Eu_{0.02}Gd_{0.06}La_{0.2}Nd_{0.2}Sa_{0.1}Pr_{0.05}Y_{0.02}$ (Weight fraction)				2.30	113
$Ce_{0.975}Fe_{0.025}$				2.0	068
$Ce_{1-x}Fe_xRu$	(Decreases)				946
$Ce_{1-0.87}Gd_{0-0.13}Ru_2$	6.2-3.8		C15		1820 1569 116 171 946 187
$Ce_{0.84}Gd_{0-0.1}Ru_2Y_{0.16-0.06}$	4.9-3.1				1658
$Ce_{1-0.73}Ho_{0-0.27}Ru_2$	6.2-6.3-1.5		C15		1820 1569
Ce_xIn_{1-x}	(Decreases)				1394
$CeIn_3$			$L1_2$	0.07	715
$Ce_{0-0.1}InLa_{3-2.9}$	9.45-<1	HF			1228 1012

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Ce_{0.04-0.08}InLa_{2.96-2.92}$ (0-23 kbar)	7.2-2.2				1137
$CeIr_{2,1.8}$			C15	0.32	469 270 247 127
$CeIr_3$	3.34				469
$CeIr_5$	1.82				469
$CeIr_{0-1}Ru_{2-1}$	6.2-4.5-4.5-<1.5		C15		1820
$Ce_{0-0.02}La_{1-0.98}(\alpha)$	4.87-2.4	HF			1358 1021 1637 1468 1265 1568#
$Ce_{0-0.02}La_{1-0.98}(\beta)$	6-2.9				1358 1021 115 200 1468 608 915 1568# 1365
$Ce_{0.04}La_{0.96}$				0.05	1468
$Ce_{0.16}La_{0.84}$ (27-110 kbar)	4-8.7				1016
$Ce_{0.02}La_{0.98}$(0-10-24 kbar)	2.6-<0.3-3				1016
$Ce_{0.013}La_{0.887}$(0-12-~140 kbar)	3.7-3.2-11.4				1016
$Ce_{0.013}La_{0.887}$(0-12-23 kbar)	3.7-3.1-4.3(As cast)				1016
$Ce_{0.013}La_{0.887}$(0-12-22 kbar)	3.2-3.5-2.3		HEX		1016
$Ce_{0.007}La_{0.993}$(0-23 kbar)	4.7-6.2				1016
$Ce_{1-0}La_{0-1}Ru_2$	6.2-6.3-<1.4-4.1		C15		1026 1820
$Ce_{0.6-0.3}La_{0.4-0.7}Ru_2$			C15	1.3	1820 1026
$Ce_{1-0}La_{0-1}Ru_2$	6.2-6.6-0.45-4.4				1598
$Ce_{0-0.015}La_{1-0}Th_{0-1}$	5.9-<0.04				1671 1531
$Ce_{1-0}Lu_{0-1}Ru_2$	6.2-6.25-<1.3		C15, C14		1820
$Ce_{0.68-0}Lu_{0.32-1}Ru_2$				1.3	1820
$Ce_{1-x}Mn_xRu_2$	(Decreases)				946
$CeN_{0.87}$				1.80	040
$Ce_{1-0.75}Nd_{0-0.25}Ru_2$	6.2-6.7-<2		C15		1820 1569
$CeNi_2$			C15	0.015	655
$Ce_{1-x}N_xRu_2$	(Decreases)				946
$CeOs_2$			C15	0.62	270 127 247 1375
$CeOs_{0-0.7}Ru_{2-1.3}$	6.2-<1.4		C15		1820
$CePb_?$				1.9	099
$CePd_{0-0.06}Ru_{2-1.94}$	6.2-<5		C15		1820
$Ce_{1-0.73}Pr_{0-0.27}Ru_2$	6.2-6.75-<2.4		C15		1820 116 240
$CePt_2$			C15	0.32	469

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$CePt_3$			C15	0.32	469
$CePt_5$			$D2_d$	0.32	469
$Ce_{0.20-0.173}Pt_{0.8-0.826}$	1.55 Max. (Portion of sample)				469
$CePt_{0-0.3}Ru_{2-1.7}$	6.2-<2.8		C15		1820
$CePt_{0.1,0.2}Ru_{1.9,1.8}$	4.08, 3.40	832, 669 HF	C15		1783#
$CeRh_2$			C15	0.35	270 127
$CeRh_{0\ 0.84}Ru_{2-1.16}$	6.2-<1.5		C15		1820
$CeRu_2$	6.18	1420 HF			1783# 1026 657 115 127 116 247 946
$CeRu_2Sc$	6.2-2.6, 1.6-2.3		C15, C14		1820
$Ce_{1-0.8}Ru_2Tb_{0-0.2}$	6.2-6.5-2.4		C15		1820 1569
$Ce_{1-0}Ru_2Y_{0-1}$	6.2-6.65-<1.3-2.4		C15, C14		1820 1569
$Ce_{0.6-0.4}Ru_2Y_{0.4-0.6}$				1.3	1820
CeS			B1	1.06	258 011
Ce_2S_3			CUB	Data given	558
$Ce_{0.25}Sb_3$				1.28	011
$CeSi_2$			C_c	1.00	025 010
$Ce_{0.12}SiV_{2.88}$	15.32		A15		1913
Ce_xSn_{1-x}	(Decreases)				1394
$CeSn_3$			$L1_2$	0.07	715
$Ce_{1-0.8}Tb_{0-0.2}Ru_2$	6.2-6.4-2.4				1113
$Ce_{0.8}Tb_{0.2}Ru_2$	2.6				1811
Ce_xTh_{1-x}	1.36-~0.07				951 886 1012
$Ce_{0.0178}Y$				1.6	1477#
Co			A3	1.36	012 572#
$Co_{0.98}Cr_{0.02}U$	T_c'(~+0.05)				1181
$Co_{0.02}Cu_{0.98}Rh_2S_4$	~3.8(broad)		$H1_1$		984
Co_2CuS_4			$H1_1$	0.05	1898 984
$Co_{1-0.98}Fe_{0-0.02}Si_2$	1.4-<1		C_1		037 572#
$Co_{0.5}Fe_{0.5}Ti$	3.3				1392
$Co_{0.5}Fe_{0.5}U_6$	3.0		$D2_c$		1866
$Co_xFe_{1-x}U_6$	3.85-2.4				920
$Co_{0.98}Fe_{0.02}U$	T_c'(+0.1)				1181

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Co_{1-0}Fe_{0-1}Zr_2$	5.0-0.2		C16		1377 1476
$Co_{0-0.06}Ga_4Mo_{1-0.94}$	8.0-6.5				1295
$CoGe_3$			ORTHO	0.35	270
$CoGe_2$				0.051	770
$CoHf_2$	0.56		$E9_3$		270
$Co_{0.03}In_{0.97}$(Deposited 6K)	3.95				▽351
$Co_{0.004}Ir_{0.996}$	0.046				1624
$CoLa_3$	4.28, 4.01		DO_{11}, DO_{20}		658 469
Co_2Lu			C15	0.32	469
$CoLu_3$	<0.35(Portion only)				469
$Co_{0.98}Mn_{0.02}U$	T'_c(+0.2)				1181
$Co_{0.92}Mn_{0.08}U_6$	~2.2				1181
$Co_{0.5}Mn_{0.5}U_6$	2.55		$D2_c$		920 1866
$Co_{0-0.0004}Mo$	0.92-0.2	Data given			1833
$Co_{0-0.01}Mo_{0.8}Re_{0.2}$	10-~2				240
$Co_{0.002}Mo_{0.815}Re_{0.185}$	5.8	HF			881
$Co_{0.96}Mo_{0.04}U_6$	~1.5				1181
$Co_{0.975}Mo_{0.025}U$	T'_c(-0.35)				1181
$Co_{0.1-0.02}Nb_3Rh_{0.9-0.98}$	1.90-2.28		A15		492
$Co_{0-0.06}NbSe_2$	~7-1				1602
CoNbV			C14	1.02	270
$Co_{0.16-0.64}Ni_{0.64-0.15}P$				0.99	601
$Co_{0.638-0.158}Ni_{0.153-0.637}P_{0.2-0.217}$				1.02	217
$Co_{1-0.98}Ni_{0-0.02}Si_2$	1.4-<1				037
$Co_{1-0}Ni_{0-1}Ta_2$	1.2-0.6		C16		1377
$Co_{1-0}Ni_{0-1}U_6$	2.4-0.33		$D2_c$		1866 920
$Co_{0.98}Ni_{0.02}U$	T'_c(~-0.05)				1181
$Co_{0.5}Ni_{0.5}V_3$			A15	2.0	1001
$Co_{0.3}Ni_{0.7}V_3$			A15	2.0	1001
$Co_xNi_{1-x}Zr_2$	5.0-5.9-1.3-1.4		C16		914 1476
$Co_{1-0}Ni_{0-1}Zr_2$	5.1-5.9-1.1-1.6		C16		1377 1355
$Co_{0.5}Ni_{0.5}Zr_2$	3.1		C16		914
$Co_{0.85}Ni_{0.15}Zr_2$	6.0		C16		1355
CoO				1.28	011
$Co_xO_tPb_{1-x-y}$(500-700Å)	7.2-~2				▽1053

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Co_2P			C23	0.97	601 181
$Co_{0-0.03}Pb_{1-0.97}$(500-700Å)	7.2-4.4				∇1053
$Co_{1-x}Pd_xZr_2$	5.3-6.2-5.7		C16		1476
$Co_{0.6(1-x)}Pt_xRh_{0.4(1-x)}Zr_2$	8.0-8.2-7.6		C16		1476
$Co_{1-x}Pt_xZr_2$	5.3-6.9-6.7		C16		1476
$Co_{0.95-0.25}Rh_{0.05-0.75}$	~1-3.65				037
$Co_{0.5}Rh_{0.5}Si_2$	2-3				095
$Co_{0.05}Rh_{0.04}Ti_{0.91}$	4.0				1060
$Co_{0.94}Rh_{0.06}U_6$	~2				1181
$Co_{0.97}Rh_{0.03}U$	T'_c(-0.4)				1181
$Co_{0.9}Rh_{0.1}V_3$			A15	2.0	1001
$Co_{0.5}Rh_{0.5}V_3$			A15	2.0	1001
$Co_{0.6}Rh_{0.4}Zr_2$	8.0		C16		1476
Co_xRu	0.4-0.09		HEX		1570
CoSb				1.8	002
CoSc				1.03	260
$CoSc_2$			C16	0.07	1377 469
$CoSc_3$				0.32	469 658 260
$Co_{0.28-0.32}Sc_{0.72-0.68}$	<0.35(Portion of sample)				469
$CoSc_{0.125}Zr_{1.875}$	2.89		C16		1372
CoSi				Data given	095
$CoSi_2$	1.22	105	C1		043 1926 032 094 019
$Co_{5.2}Si_2V_{2.8}$			A12	1.02	270
$CoSn_2$			C16	0.07	1377 270 229
$Co_{0.02}Sn_{0.98}Ta_3$	4.0	HF			1362
$CoTa_2$	0.82		C16		1377
$CoTa_{1.75}Zr_{0.25}$	0.90		C16		1377
CoTe				1.0	037
Co_5Th			$D2_d$	0.32	469 171
Co_3Th_7	1.83		$D10_2$		173
CoTi	0.71		A2		270 572#
$CoTi_2$	3.44		$E9_3$		173
$Co_{0-0.06}Ti_{1-0.94}$(α)	2.8 Max.				093 171 126
$Co_{0.07-0.2}Ti_{0.93-0.8}$(β)	3.8 Max.				093 171 126 522

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_c(oersted)	Crystal Structure	T_n(K)	Refs.
$Co_{0.01}Ti_{0.99}$				1.5	759
CoU	1.7		B2		021 1181
CoU_6	2.3		$D2_c$		021 1866 1181 920
CoV_3			A15	0.015	948 707 578 270 010
$Co_{0-0.03}V_{1-0.97}$	5.3-1.5		A2		314
Co_3VZr_2			C14	0.35	270
CoY_2				0.32	469
CoY_3	<0.34(Portion of sample)				469
$Co_{0.28}Y_{0.72}$	0.34				469
$Co_{0-150\ ppm}Zn$	T_c'(-0.075)				598
Co_2Zr			C15	1.02	270
CoZr			B2	1.2	1476
$CoZr_2$(Various anneals)	5.0-5.3		C16		1476 1478 1377 1355 914 032
$CoZr_2$("Splat" cooled)	5.7-7.0				1476
$CoZr_3$	3.9				1476
$Co_{0.27-0.37}Zr_{0.73-0.63}$	6.4-5.3-5.8				1476
$Co_{0.1}Zr_{0.9}$	3.9		HEX		032
$Co_{0-0.1}Zr_{1-0.9}$	3.7, 2.3				717
Cr(99.999%)			A2	0.015	788 103 514# 572#
Cr(Thin films)				0.3	∇503
Cr(with Ar, Kr, Xe)	0.6, 0.944, 1.5				∇1441
Cr(with Ar, Kr, Xe)	2.1, 3.1, 1.6 (Ion beam sputtering)		A2		∇1526
$Cr_{0.008}CuRh_{1.992}S_4$	~3.9		$H1_1$		984
$Cr_{0.2}Fe_{0.8}U_6$	3.3		$D2_c$		1866
Cr_3Ga			A15	0.30	270 117 142 945#
$CrGa_4$			CUB	1.02	270
$Cr_{0.6}Ge_{0.4}$			TET	1.20	010
CrGe			B20	1.20	010
Cr_3Ge			A15	1.2	945# 010 270
$Cr_{0.2}H_{0.1,0.3}V_{0.8}$				2.3, 1.8	1617#
$Cr_{0-0.6}HfV_{2-1.4}$	9.2-9.9-9.4				1323 1381

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Cr_{0-0.0004}In$(Deposit 6K)	4.2-1.7				∇351
Cr_3Ir	0.168				707 945# 1692 1023
$Cr_{0.82}Ir_{0.18}$	0.75		A15		1692
$Cr_{0.835}Ir_{0.165}$	0.77		A15		945#
$Cr_{0.95,0.55}Ir_{0.05,0.45}$			A2	0.3	224
$Cr_{0.9-0.75}Ir_{0.1-0.25}$	0.78-0.45		A15		224
$Cr_{0.78}Ir_{0.22}$				0.3	224
$Cr_{0.72-0.6}Ir_{0.28-0.4}$	0.83-0.4		HEX		224
$CrKr_x$	0.96 Max.		CUB		∇1657
$Cr_{0.06-0.57}Mo_{0.94-0.43}$	0.71-0.030				788
$Cr_{0.73-0.92}Mo_{0.27-0.08}$				0.015	788
$Cr_{0-0.02}Mo_{0.8}Re_{0.2}$	~9-10				240
CrN			B1	1.28	011
$Cr_{0.01,0.03}NNb_{0.99,0.97}$			B1	0.32	1510 572#
$Cr_{0.071}Nb_{0.929}$	6.95	HF			1979
$Cr_{0-0.1}Nb_{1-0.9}$	9.2-4.6		CUB		253 441
$Cr_{0.116-0.098}Nb_{0.075-0.78}V_{0.90-0.12}$	2.70-6.33	HF			1979
Cr_3O			A15	1.02	181
$Cr_xO_yPb_{1-x-y}$(500-700Å)	7.2-2.4				∇1053
$Cr_{0.8}Os_{0.2}$	2.5		CUB		556# 572#
$Cr_{0.6}Os_{0.4}$			$D8_b$	1.4	557
$Cr_{0.67}Os_{0.33}$	1.03		$D8_b$		707
$Cr_{0.72}Os_{0.28}$	3.95		A15		707
$Cr_{0.71-0.74}Os_{0.29-0.26}$ (Various anneals)	3.83-4.68		A15		692 945# 1446 707 1692
CrP			B31	1.01	601 217
Cr_3P			DO_e	1.01	601 217
$Cr_{0-0.008}Pb_{1-0.992}$(500-700Å)	7.2-~3				∇1053
$Cr_{0-100\,ppm}Pd_{1-x}Sb$	1.66-<0.1				1296
$Cr_{0.915}Pt_{0.185}$			A15	1.2	945#
$Cr_{0.79}Pt_{0.21}$			A15	0.015	707 945#
Cr_3Pt			A15	0.30	224
$Cr_{1-0.8}Re_{0-0.2}$			A2	1.0	415 572#
$Cr_{0.8-0.5}Re_{0.2-0.5}$	1.2-5.2		A2		415 1096#
CrRe			$D8_b$	1.02	270

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Cr_{0.42-0.33}Re_{0.58-0.67}$	1.8-2.4		$D8_b$		415 557# 572#
$Cr_{0.38}Re_{0.62}$	4.1, 3.37				1096#
$Cr_{0.75}Rh_{0.25}$	0.072	HF	A15		707 945# 1023 224
$Cr_{0.8-0.6}Rh_{0.2-0.4}$	0.96-1.1-0.50		HEX		224
$Cr_{0.9,0.5}Rh_{0.1,0.5}$				0.3	224
$Cr_{0.05}Rh_{0.04}Ti_{0.91}$	3.75				1060
$Cr_{0.72}Ru_{0.28}$	3.468		A15		1446 707 945#
$Cr_{0.9}Ru_{0.1}$			CUB	0.3	224 572#
$Cr_{0.85-0.6}Ru_{0.15-0.4}$	1.13-3.3-1.60		A15, plus		224
$Cr_{0.67-0.5}Ru_{0.33-0.5}$	2.02-2.1-1.30		$D8_b$		224
$Cr_{0.6-0.02}Ru_{0.4-0.98}$	1.9-<0.3-0.5		HEX		224
CrSb			$B8_1$	1.0	037
$CrSb_2$				1.28	011
$Cr_{0.015,0.03}Sc_{0.985,0.97}$	2.6, 3.1(Broad)				1987
Cr_3Si			A15	0.015	707 945# 042 010
CrSi			A15	0.015	945# 010 042
$Cr_{0.6}Si_{0.4}$				1.2	010 042
$CrSi_2$				1.2	010 042
$Cr_{0.738}Si_{0.262}$			A15	1.2	945#
$Cr_{0.15-0.6}SiV_{2.85-2.4}$	15.7-12				1976 1913
$Cr_{0.21}SiV_{2.79}$			A15	14	1913
Cr_2Ti(Two phases)			C15	0.025	1586 1801 1988
$CrTi_3$	3.7				093 171
$Cr_{0.103-0.244}Ti_{0.897-0.756}$	3.85-4.46-3.6 (Quenched)		CUB		1289 522 1861 1290
$Cr_{0-0.6}Ti_{1-0.4}$(Various anneals)	1.2-3.9-1.2-4.3-1.7-4.1-1.1				1801
$Cr_{0.025}Ti_{0.975}$	3.5				477#
$Cr_{0-0.06}Ti_{1-0.94}(\alpha)$	3.6 Max.				093
$Cr_{0.1-0.3}Ti_{0.9-0.7}(\beta)$	4.2 Max.			1.1 (523)	093 171 126 523 572# 522
$Cr_{0.011}Ti_{0.967}V_{0.022}$	3.6				477#
$Cr_{0.1}Ti_{0.3}V_{0.6}$	5.6	1360, HF			584 616
$Cr_{0.6,0.3}U_{0.4,0.7}$				1.08	021

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Cr_{0.0175}U_{0.9825}$(β phase)	0.75				700
$Cr_{0.945-0.58}V_{0.055-0.42}$				0.015	788 121 572#
$Cr_{0.48-0.1}V_{0.52-0.9}$	0.10-3.21				788 253 121 572#
$Cr_{0.4-0}V_{0.6-1}$	1.3-5.1	HF	A2		441# 1617# 121
$Cr_{0.1}V_{0.9}$	3.21				788
$Cr_{0.099}V_{0.901}$	3.30	HF			1979
$Cr_{0-0.055}V_{1-0.945}$	2.0-5.3	HF	A2		314 253
$Cr_{0-0.5}V_{2-1.5}Zr$	8.5-8.7-8.2				1323
$CrXe_x$	1.52 Max.		CUB		▽1657
$Cr_{0-18\ ppm}Zn$	0.85-<0.037	HF			1322 598
Cr_2Zr			C15	0.025	1586 1988
Cr_2Zr			C14	0.35	270
Cs			A2	0.011	494 270
Cs(V, >~125 kbar)	~1.5				781
$Cs_{0.1}F_{0.1+y}Li_yO_{2.9-y}W$	3.4-2.0	HF			1242
$Cs_{0.08-0.3}F_{0.08-0.3}O_{2.92-2.7}W$	4.5-1.4	HF			1242
$Cs_{0.3}MoS_2$	6.8	HF(1532)	HEX		1532 1728 1920
$Cs_{0.32}O_3W$	1.12(broad)		HEX		500 1080
Cu			A1	0.02	▽1526 ▽1055 572 012 537# 713# ▽756
$Cu_{0.75-0}Fe_{0.25-1}Se_2$				0.32	1517
$CuGa_2$			TET	1.27	270
Cu_3Ga				1.4	533
$Cu_{0.86-0.81}Ge_{0.14-0.19}$	0.03-0.25		HEX		1617
$Cu_{1-0}Ge_{0-1}$				1.5	1729
$Cu_{0.38-0.7}Ge_{0.62-0.3}$ (200-600Å)	1.8-3.3-2.0				▽1082
$Cu_{0.5}Ge_{0.5}$(Deposit ~4K)	3.3				▽1179
$Cu_{1-0}Ge_{0-1}$(Deposit 4.2K)	<1.1-3.3-<1.2				▽1729 ▽1179
$Cu_{0.25-0.5}Ge_{0.75-0.5}$ (240-680Å, Deposit 4.2K)	2.6-3.1-2.1				▽1844
$Cu_{1-0}Ge_{0-1}$(Deposit 4.2K, anneal 300K)				1.2	▽1729

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Cu_{0-0.85}H_{\approx 0.7}Pd_{1-0.15}$	8.6-16.6-6 (H implanted)				1901
Cu, Hg					084
$Cu_{0.04-0.15}In_{0.96-0.85}$ (Deposit 6K)	4.4, 3.75				∇351
Cu_4KS_3	1.4		TET		1374
Cu_xK_yW				1.32	084
CuLa	5.85				658
$Cu_{0.3}La_{0.7}$(Liquid quench)	3.5				1908
Cu_xLi_yW				1.32	084
Cu_2Mg			C14	1.00	037 011 270
CuMgSb				1.28	011
$Cu_{0.4}Mg_{0.3}Si_{0.3}$				0.03	1604
$Cu_{1.64}MgZn_{0.36}$				0.03	1604 037
$Cu_{1.5}Mo_{4.5}S_6$	10.0-10.8	HF	RHOMB		1664 1163
$CuMo_3S_4$	10.8	HF			1725
$CuMo_3S_4$(0-18 kbar)	10.5-11.8-10.5				614
$CuMo_4S_5$	11.0				1831
Cu_3N				1.38	558
$Cu_3Na_2S_3$	0.3				1374
$Cu_{0-0.6}Nb_{1-0.4}$		HF			960 1518
$Cu_{1-x}Ni_xZr_2$	1.7 Max.		C16 (x ≥0.6)		1377
CuO, Cu_2O				1.28	011 099 119
$Cu_{0.287}O_{0.14}Ti_{0.573}$			$E9_3$	1.02	270
CuP				1.28	011
$Cu_{0.9-0}Pb_{0.1-1}$	5.7-7.7-7.2				088
CuPb(Eutectic)		HF(1395)		2.25	111 085 088 1395
$Cu_{0.1}Pb_{0.9}$(Deposited 2K)	6.5				∇1218 ∇756
Cu_xPd_{1-x}				1.0	037
Cu_xPt_{1-x}				1.0	037 572#
Cu_4RbS_3			TET	0.05	1374
$Cr_xRb_{1-x}W$				1.32	084
$CuRh_2S_4$	4.07, 4.8		$H1_1$		1898 983 984
$CuRh_{2-x}S_4Ti_x$	~3				984
$CuRh_2Se_4$	3.50		$H1_1$		1760 1898 983 984 924

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$CuRh_{2-1.5}Se_4Sn_{0-0.5}$	3.7-<0.05		$H1_1$		714 924
$CuRh_{1.95}Se_4Sn_{0.05}$	2.70		$H1_1$		1760
$Cu_{0.05}Rh_{0.04}Ti_{0.91}$	2.5				1060
CuS_2	1.56		C2		1130 643
CuS(P study, 0-10 kbar)	1.65(Pressure decreases) ((1130) questions s.c. of CuS)		B18		1354 074 077 120
$Cu_{1.8}S$				1.3	077
CuS Se	1.5-2.0		C18		643
CuS_4Ti_2			$H1_1$	0.05	984
CuS_4V_2	4.45-3.95		$H1_1$		984
$Cu_{1-0.8}S_2Zn_{0-0.2}$	1.48-2.5		C2		1665
$Cu_{0.6,0.2}S_2Zn_{0.4,0.8}$			C2	1.3	1665
Cu_3Sb	1.3-1.8		CUB		1589
Cu_3Sb	0.037-0.041		ORTHO		1589 769
Cu_2Sb	0.085		C38		1589 769 001
$Cu_{0.845}Sb_{0.155}$	0.127-0.184		DO_3, $L2_1$		1617
$Cu_{0.844}Sb_{0.156}$	0.067		A3		769
$Cu_{0.786}Sb_{0.214}$	0.028-0.047		HEX		769
$Cu_{0.810}Sb_{0.190}$	0.045-0.070		HEX		769
CuSb				1.80	002
CuSe			B18	1.28	011 084
$CuSe_2$	0.785, 2.30-2.43		C18		1584 1517 643
CuSeTe	1.6-2.0		C18		643
$Cu_{0.95}Se_2Zn_{0.05}$	1.60-2.45		C2		1665
$Cu_{0.6,0.1}Se_2Zn_{0.4,0.9}$			C2	1.3	1665
$Cu_{0.86}Si_{0.14}$	0.050-0.058		HEX		1617
$Cu_{0.91}Si_{0.09}$				1.26	084
Cu_3Si				1.28	084
$Cu_{0.25}Si_{0.75}$				1.28	095
CuSi				1.28	011
$Cu_{0.55-0}Sn_{0.45-1}$	3.17-3.71				088
$Cu_{0.94}Sn_{0.06}$				1.26	084 088
$Cu_{0.8}Sn_{0.2}$				1.50	071 088 087
Cu_3Sn				1.31	085 088 381
$Cu_{0.1-0.9}Sn_{0.9-0.1}$(Deposit 4K)	7.2-<2				▽1867 ▽353

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Cu_xSn_{1-x}(Deposit 300K)	2.8-3.7				▽353
$Cu_{0.1}Sn_{0.9}$(Condensed 2K)	6.8				▽1218
$Cu_{0.14}Sn_{0.86}$(Deposit 4.2K, (1620Å)	6.62	HF			▽1744 ▽1949
Cu_4Te_3				0.3	1584
$CuTe_2$	<1.25-1.3		C18		643
CuTe(High temp. phase)				0.3	1584 084
$CuTh_2$	3.44		C16		1377
CuTi			B11	1.02	270 522
Cu_5U			$C15_b$	1.02	270
$Cu_{0-0.05}V_{1-0.95}$	5.20-3.85	1446-986	CUB		1890# 314
CuY			B2	0.33	658
$Cu_{0.67}Zn_{0.33}$			A1	0.014	1617
Cu_xZn_{1-x}	0.845-0.5				624
CuZn(γ)				1.30	1009
$CuZn_3$				1.28	084
$D_{0.018}Nb_{0.982}$	~9.23				190
$D_{0.11}Nb$, $D_{0.13}Nb$	9.12, 8.76				110
$D_{0.79, 0.80}Nb(\beta)$				1.94	110
$D_{0.96-0.88}Pd$	9.5-4.5				1905
$D_{\sim 0-\sim 1.3}Pd$(D implanted)	11 max.				164 1402 1497
$D_{3.61}Th$	~2-8.35				1187
Dy(0.08% oxygen, weight)			A3	0.45	291
$Dy_{0.01}La_{0.99}$	3.80				115
Er			A3	0.8	245
$Er_{0.01}La_{0.99}$	5.30				115
$Er_{0-0.08}La_{1-0.92}$	6.3-1.4				200 171
$Er_{\sim 0.1}Th_{0.9}$				0.015	1389
Eu			A2	1.3	339
$Eu_{0-0.015}La_{1-0.985}$	6.3-1.5				200 115
$Eu_{0.012}La_{0.988}$	2.15(Ferro magnetic below 0.660)				1324
$F_{0.12}K_{0.1}Li_{0.02}O_{2.88}W$	1.1				1242
$F_{0.08-0.3}K_{0.08-0.3}O_{2.92-2.7}W$	1.9-2.1-0.8				1242
$F_{0.12-0.2}Li_{0.02-0.1}O_{2.88-2.8}Rb_{0.1}W$	4.0-2.1	HF			1242

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$F_{0.08-0.3}O_{2.92-2.7}Rb_{0.08-0.3}W$	3.7-0.9	HF			1242
Fe			A2	0.75	272 572#
$FeXe_x$			A2	0.003	∇1526 ∇443 ∇131
$Fe_{0-0.08}Ga_4Mo_{1-0.92}$	8.0-<1	HF			1295
$FeGe_2$			C16	0.07	1377 270 572#
$FeHf_2$			$E9_3$	1.02	270
$Fe_{0-0.015}In_{1-0.985}$ (Deposit r. 2K)	4.2-0.8				∇351 ∇351
$Fe_{0.00033}Ir$	0.051				1624 572#
$Fe_{0-0.1}Ir_{0.23-0.22}Mo_{0.77}$	8.3-<1.2	HF			1756
Fe_xIrY_y	Data given				563
$Fe_{0.008}La_{0.992}$	4.85				068
$Fe_{0.01}La_{0.01}Rh_{0.98}$	~0.75				563
$Fe_{0.01}La_{0.001}Rh_{0.99}$	0.75				563
$Fe_xMn_{1-x}U_6$	2.4-2.25-3.85				920
$Fe_{0.5}Mn_{0.5}U_6$	2.8		$D2_c$		1866
$Fe_{0-0.013}Mo_{1-0.987}$	0.92-0.5	Data given			1833
$Fe_{0.01}Mo_{0-0.3}Nb_{1-0.7}$	1-8				240
$Fe_{0.0008}Mo_{0.725}Nb_{0.061}Re_{0.187}$	1.85	HF			881
$Fe_{0-0.04}Mo_{0.8}Re_{0.2}$	10-~1	HF			240 364
$Fe_{0-0.006}NbSe_2$	7-<1.6				626
$Fe_{0.08}Nb_{0.05}Ti_{0.87}$	3.5-4.7(Various anneals)	HF			1800 905 1391
$Fe_{0.04}Nb_{0.1}Ti_{0.86}$	3.8-7.4(Various anneals)				1800
$Fe_{0.03}Nb_{0.25}Ti_{0.72}$	7.2-8.5(Various anneals)				1800
$Fe_{0.19-0.31}Ni_{0.60-0.48}P$				0.99	601 217
$Fe_{0.5}Ni_{0.5}U_6$	2.1		$D2_c$		1866 920
$Fe_{0.25}Ni_{0.75}U_6$	3.0				920
$Fe_{0.75}Ni_{0.25}U_6$	1.4				920
$Fe_{1-0}Ni_{0-1}Zr_2$	0.3-2.5-1.6		C16		1377
$Fe_{0.05}Ni_{0.05}Zr_{0.9}$	~3.9				032
$FeNp_6$					920
Fe_2P			C22	0.97	601 217
FeP			B31	0.97	601 217

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Fe_{\sim 0.005}PPd_3$				0.35	491
$Fe_{0-0.011}Pb_{1-0.989}$(500-700Å)	7.2-2.7				▽1053
$Fe_{0.02}Re_{0.98}$	1.60				712
$Fe_{0.05}Rh_{0.04}Ti_{0.91}$	3.9				1060
$Fe_{0-1}Rh_{1-0}Zr_2$	11.3-<1.2		C16		1476
$Fe_{0.018-0.042}Ru_{0.982-0.957}$	0.165-0.018				788 572#
$Fe_{0.05-0.7}Ru_{0.95-0.3}$				0.015	788#
FeS				1.9	099
FeSb				1.8	002
$FeSb_2$			ORTHO	1.45	427
$FeSb_3$				1.45	002
$Fe_{0.02}Sc_{0.05}Zr_{0.93}$	0.35				744
FeSi				1.28	011 572#
$Fe_5Si_2V_3$			A12	0.37	270
$Fe_{0.95}Sn_{0.05}$				1.26	084 572#
$FeSn_2$			C16	0.07	1377
Fe, Sn(Superimposed films)	3.5-1.5				▽1141
Fe_2Te_3				1.8	1626
Fe_3Th_7	1.86		$D10_2$		173
FeTi			A2	0.35	270 572#
$Fe_{0.05-0.2}Ti_{0.95-0.8}(\beta)$	2.7-3.9-<1.5		CUB		1941# 1800 572# 522 093 171 126
$Fe_{0-0.025}Ti_{1-0.975}(\alpha)$	0.4-3.5		HEX		1941# 962 477# 522 093 572# 171 126 554
$Fe_{0-0.06}Ti_{0.6}V_{0.4}$	6.8 Max.				171
Fe_2U			C15	1.06	021
FeU_6	3.9		$D2_c$		021 1426 1152 920# 1866 1427
$FeU_6(3\times10^{12}$ neutrons/cm^{2}s)	1.6 3.9(Annealed)				907
$FeXe_x$				0.003	▽1441
$Fe_{0-\sim200\ ppm}Zn$	T_c'(-~0.25)				598
$FeZr_2$	0.17		C16		1377 1476
$Fe_{0.1}Zr_{0.9}$	≈1				032

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Ga(Mean free path ~ 1 cm)	1.0833	59.3			803 791 1768 183 1571# 1003 024# 395 001# 390 537# 1267 938 580# 390
Ga(β)	6.07	540			1595# 642 1046 791# 1263#
Ga(γ)(Supercooled)	6.9, 7.6	950, HF			1047 642
Ga(δ)(Supercooled)	7.85	815, HF			1048
Ga(II)(P≥35 kbar)	6.38				779
Ga(II')(P≥35 kbar, then P=0)	7.5				779
Ga(Films, amorphous)	8.45				▽1533 ▽1562
Ga(Films, β form)	6.3				▽1562 ▽1533 ▽1122
Ga(Films, γ-form)	7.9				▽1122
Ga(Deposited 4-5K, 150-3000Å)	8.5, 8.4-5.4	HF(1949 1774)			▽1545 ▽779 ▽1327 ▽1785 ▽1774 ▽1171 ▽773 ▽1949 ▽152 ▽596
Ga(Deposited 4.2K, annealed 70K)	6.5				▽779 ▽1327
Ga(Deposited 105K, <100Å)	6.72 6.69(oxidized)				▽1062
Ga(Deposited 3 He temp. or 1.5K, 30Å-~1000Å)	8.56, 8.53-2.5				▽1136 ▽1868 ▽1893
Ga(In ~70-250Å pores)	1.7-2.7				1687
Ga(In wood pulp, zeolites, etc.)	6.1-6.4, 6.8-7.2				1686
Ga(Ne, Xe)(Deposited 10K)	8.3(Decreases with Ne, Xe addition)				▽1229
$Ga_{0.1}Ge_{0.9}$(Rapid quench)	T_c'(+5.3,+2.4)				1784
$Ga_{1-0.7}Ge_{0-0.3}Nb_3$	16.05-12.2		A15		1072
$Ga_{0.95-0.15}Ge_{0.05-0.85}Nb_3$ (~20,000Å)	15.5-13		A15		▽1954
$Ga_{0.8}Ge_{0.2}Nb_3$	12.9				1976
$Ga_{0.5}Ge_{0.5}Nb_3$	7.3		A15		311
$Ga_{1-0}Ge_{0-1}V_3$ Various anneals)	12-14-6.05		A15		1369 894
$Ga_{0.8}Ge_{0.2}V_3$	13.6 14.4(Annealed		A15		1073
$Ga_{0.01-0.19}Ge_{0.23-0.006}V_3$	7.58-12.9		A15		1808
$GaHf_2$	0.21		C16		1377

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Ga_{0-0.009}In_{1-0.991}$	T'_c(+0.0325)				319 320
$Ga_{0.3}In_{0.7}La_3$	9.25		Li_2		1564#
$Ga_{0.8}In_{0.2}V_3$	<12 12.7(Annealed)		A15		1073
Ga_2La				1.4	863
GaLa				1.15	711
$GaLa_3$	5.84				658
Ga_3Lu	2.3		$L1_2$		715
$GaLu_3$				1.1	659
$Ga_{0.03}Mg_{0.97}$				0.013	1340
$Ga_5Mn_{1.85}$			TET	1.2	1977
$Ga_4Mn_{0-0.012}Mo_{1-0.988}$	8-1	HF			1295 753
$Ga_5Mn_{1.82-0.22}V_{0.24-1.84}$			TET	1.2	1977
Ga_4Mo	8.0, 9.8	HF			1295 173
Ga_2Mo	9.5				117
$GaMo_3$	0.76		A15		270 128 117 142
$Ga_{0.3}Mo_{0-0.15}Nb_{0.7-0.55}$ (Various anneals)	14-17				1952
$Ga_4Mo_{1-0.96}Nb_{0-0.04}$	8.0-8.0	HF			1295
$Ga_4Mo_{1-0.96}Nb_{0-0.04}$	8-7.7				1295
$Ga_{0.5}Mo_5S_6Sn$	13.3	HF			1725
GaN(gray-black)	5.85	HF	B4		433 558
GaN(brown)				1.38	433 528
GaN_xO_{1-x}(brown)				1.38	558
Ga_3Nb_5	1.35				927
$GaNb_3$	20.3	HF(1339 1660)	A15		1970 1190 1339 1660
$GaNb_3$	10-14.5				1446 1164 1066 311 142
$Ga_{0.215-0.32}Nb_{0.785-0.68}$ (Various anneals)	20.3-11.0				1190 1952
$Ga_{0-0.32}Nb_{1-0.68}$(Various anneals)	5-18, 20.2	HF(1339 583)			1666 1339 1552 583
$Ga_{0.37}Nb_{0.63}$			TET	6.0	1190
$Ga_{0.4}Nb_{0.6}$(Vapor deposition)	20.3		A15		1599
$GaNb_3$(Deposited 700-800K)	20.3-19.3				▽1902
$Ga_{0.15}Nb_3Pb_{0.15}Sn_{0.7}$	18.11				1982

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Ga_{0.15}Nb_3Sb_{0.15}Sn_{0.7}$	16.89				1982
$Ga_{1-0}Nb_3Si_{0-1}$(20,000Å)	13.5-5.2		A15		$^{\nabla}$1954
$Ga_{0-0.3}Nb_3Sn_{1-0.7}$	18.03-18.37				315 299 270 1982
$Ga_{0-0.3}Nb_3Sn_{1-0.7}$	$18-18.1_5-17.9_5$ 18-18.3-16.1 (Annealed)		A15		1982 1072
$Ga_{0-0.6}Nb_3Sn_{1-0.4}$ (Various anneals)	14.0-18.1				311
$Ga_{0.15}Nb_3Sn_{0.7}Tl_{0.15}$	18.14				982
$Ga_{0.30}Nb_{0.70-0.55}Ta_{0-0.15}$	10-17				952
$Ga_{0.3}Nb_{0.7-0.55}Ti_{0-0.15}$	6-17				1952
$GaNb_{2.4}V_{0.6}$	12.5 13(Annealed)		A15		1073
$GaNb_{1-5}V_{1.5}$			A15	12	1073
$Ga_{0.3}Nb_{0.7-0.55}Zr_{0-0.15}$	7-17				1952
GaP (See Table 4)					
$Ga_{0.1}Pb_{0.9}$(Quench condensed, 4K)	6.33 7.09(Annealed)				$^{\nabla}$1491
Ga_7Pt_3	2.9(427)		C1(427) Not C1 (1008)	1.1 (1008)	427 1008
Ga_2Pt	1.7-1.9				486
GaPt	1.74(427)		B20	0.34 (486)	427 486
GaSb(~120 kbar, 77K and anneal)	4.24	HF			695
GaSb	5.9				695
$Ga_{1-0.58}Sb_{0-0.42}$(Deposit 77K)	7.9-<1				$^{\nabla}$1904
$GaSc_3$				1.1	659
$Ga_{1-0}Si_{0-1}V_3$	14.5-3.7-16.7		A15		1896 1814 1976
$Ga_{1-0}Si_{0-1}V_3$(Various anneals)	13-7-16.5(as cast)		A15's		1369
$Ga_{0-0.3}Si_{0-0.7}V_3$	17.0-13.3		A15		1073
$Ga_{0.2-0.8}Si_{0.8-0.2}V_3$	7.2-12.3				1456
$Ga_{0.25}Si_{0.75}V_3$	18.6				1955 1073
$Ga_{0.5}Si_{0.5}V_3$	18.2				1955 270
$GaSiV_3$(Various anneals)	10.5-18.6		A15		1955
$Ga_{0-1}Sn_{1-0}$	2.6-3.85(Annealed) 3.47-4.18(Quenched)				576
$Ga_{0-0.05}Sn_{1-0.95}$	3.703-3.938				576

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Ga_{1-0}Sn_{0-1}V_3$(Various anneals)	1.2-3.8		A15's		1369
Ga_2Ta_3			TET	0.1	927
Ga_2Th	2.56(711)		C16	0.06	1377 711
$GaTi_3$			DO_{19}	0.35	270
Ga_3Ti			DO_{22}	1.02	270
Ga_3U			$L1_2$	1.2	412 1677#
GaV_3	16.5, 16.8		A15		578 310 117 142 128 1066 372 465# 572# 1693#
GaV_3(Various anneals)	15.4-14.4		A15		1343 957 1164 645 646 1075 479 310 406
GaV_3(Various anneals)	14.19-12.0		A15		1407 684 877 787 1013 1446 880 1073 1369
$Ga_{0.14-0.37}V_{0.86-0.63}$			B2	4.2	1916 958
$Ga_{0.18-0.32}V_{0.82-0.68}$	7.3-15.8-5.1		A15		1469# 1343 787 684 310
$G_{0.03-0.3}V_{0.97-0.7}$	10-13.7-2				901 1916 310
Ga_5V_2	3.55(416)		TET	2.1	416 661
$Ga_{0.71}V_{0.29}$	4.2	HF			1675 1977
$Ga_{0.45}V_{0.55}$			HEX	2.1	958 661
GaV_3	14.5-14.2	HF			310 406 646 880 787 877 1407 684 872 1075 564 316 684
GaV	14-16.45				∇460
GaY_3				1.1	659
GaY				1.15	711
Ga_2Y	1.68		TET		863
Ga_3Zr			DO_{22}	1.02	270 427
Ga_2Zr_3			TET	0.1	927
$GaZr_2$	0.38		C16		1377
Ga_3Zr_5	3.85(Annealed) 2.5-4.0(Quenched)				711
Gd(0.5% O_2, weight)			A3	0.37	291
$Gd_{0.0016-0.0061}In_{1-x}$ (2400-1180Å)	3.512-2.028				∇1773

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Gd_{0-0.073}InLa_{3-2.927}$	8.5-2.7	HF	$L1_2$		1125 1435 1065
$Gd_{0-0.008}La_{1-0.992}$	6, 5.7-1.3				115 422 172 572# 608 613# 747 915 1358
$Gd_{0.01}La_{0.99}$	0.60				115
$Gd_{0.005}La_{0.995}$	3.7				328
Gd_xLa_{1-x}		HF			1358 1265 ▽463
$Gd_{0.014, 0.02}La_{0.986, 0.979}$				2.0	812
$Gd_{0.09}La_{0.91}Os_2$	≈6				187
$Gd_{0-0.05}La_{1-0.95}Ru_2$	4.0-1		C15		1490 1499
$Gd_{0-0.12}La_{1-0.88}Sn_3$	6.4-<1	HF	$L1_2$		1131 1329
$Gd_{0.2}Mo_6PbS_8$	14.3	HF			1759
$Gd_{0.01}Nb_{1-0.99}$ (Various anneals)	8.98-9.19	HF			1771
$Gd_{0-0.09}Os_2Y_{1-0.91}$	4.7-1.4				171 422 240 201
$Gd_{0-0.02}Pb_{1-0.98}$(620, 1800Å)	7.2-2.2				▽377 ▽1773 ▽251 ▽748
$Gd_{0-0.1}Ru_2Th_{1-0.9}$	3.5-2.8		C15		1499 186
$Gd_{0.001}Th_{0.999}$	1.110	123			1561 1123 115
$Gd_{0.002}Th_{0.998}$	0.714	73			1123 1561 115
$Gd_{0-0.1}Y_{1-0.9}$				1.20	115 572# 812
$Gd_{1-0.7}Y_{0-0.3}$				4.2	663
Ge			A4	0.05	012
Ge(115 kbar)	5.35				1068# 540
Ge(II)			TET	0.33	303
$Ge_{0.22}H_{0.16}Nb$			A15	4.2	311
$GeHf_2$			C16	0.05	1377
$Ge_{0.3}In_{0.7}$(Rapid quench)	$T'_c(0)$				1784
$Ge_{0.1}In_{0.9}$	6.2				▽1528
Ge_7Ir_3	0.87				491
GeIr	4.70		B31		037 039
Ge_2La	2.24		C_c		916# 808# 572# 676#
Ge_2La	1.49		ORTHO		025

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Ge_{1.78}La$	1.57		C_c		916#
$GeMo_3$	1.4-1.6		A15		1446 474 010 128 1692
$Ge_{0.23}Mo_{0.77}$	1.8, 2.16				1692 1446
Ge_2Mo			C11b	1.20	010
$Ge_{0.41}Mo_{0.59}$				1.20	042 010
$Ge_{0.07-0.67}Mo_{0.93-0.33}$ (Co-sputtered)	<1.2-7.6-3				▽1565
Ge_3N_4				1.38	558
$GeNb_3$	6.28		A15		1446 312 498 1705 270 1660 1591
Ge_2Nb_3				1.20	010
$GeNb_2$(Plus free metal)	1.9				010
Ge_3Nb_5			TET	1.02	270 262 1629
$Ge_{0.22}Nb$	5.3		A15		311
$Ge_{0.55}Nb_{3.45}$	4.9				311
$Ge_{0.72}Nb_{3.28}$	5.5				311
$GeNb_3$(Deposited 700-950C, (~2000Å)	22.3, 23.2	HF(1653)	A15		▽1385 ▽1668 ▽1653 ▽1628 ▽1600
$GeNb_3$(Chemical vapor deposition, 280,000A)	21.7 Max.		A15		▽1629 ▽1599 ▽1695 ▽1410
$GeNb_3$(Drop quenched)	22.1				1726
$GeNb_3$(Rapid quench)	17-6		A15		498
$Ge_{0-0.3}Nb_3Pb_{0-0.3}Sn_{1-0.4}$	18-16.8				1982
$Ge_{0.15}Nb_3Pb_{0.15}Sn_{0.7}$	17.82				1982
$Ge_{1-0}Nb_3Si_{0-1}$(~20,000Å)	12.5-6.5				▽1954
$Ge_{0.9}Nb_3Si_{0.1}$(4000Å)	20.3 Max.				▽1668
$Ge_{0-0.6}NbSn_{1-0.4}$	18.0-18.1-13.2		A15	1072	
$Ge_{0-1}Nb_3Sn_{1-0}$	18.1-7.1, 6				1812 419
$Ge_{0-0.3}Nb_3Sn_{1-0.7}$	18-17.6				1982 299
$Ge_{0.15}Nb_3Sn_{0.85}$	17.8 Max.				1982
$Ge_{0.5}Nb_3Sn_{0.5}$	12.6, 11.3				427 311
$Ge_{0.15}Nb_3Sn_{0.7}Tl_{0.15}$	17.79				1982
$Ge_{0-0.02}Nb_{0.55-0.75}Ti_{0.45-0.23}$	9.6 Max.	HF			1464 1463
$Ge_3Nb_{2.5}Zr_{2.5}$			$D8_8$	1.1	262
$Ge_2Ni_5V_3$			A12	0.35	270

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Ge_2Os			MONO	0.33	1508
$Ge_{0.5}Os_{0.5}$				1.1	▽1683
GeP(30-65 kbar, 400-900C)	1.8-4.2		TET		891
GeP_3(High P and temp.)			RHOMB	1.25	891
GeP_5(High P and temp.)			RHOMB	1.25	891
$Ge_{0.3}Pb_{0.7}$(Rapid quench)	T_c'(+0.3)				1784
$Ge_{0.1}Pb_{0.9}$(Quench condensed, 0.4K)	6.35				▽1491
Ge_2Pd				1.47	427
GePd			B31	0.35	270
$GePd_2$				0.35	491
Ge_2Pd_5				0.35	491
$Ge_{0.98-0.02}Pd_{0.02-0.98}$ (Deposit 4.2K)	<1-3.1-<1				▽1683
$Ge_{0.6}Pd_{0.4}$(Deposit 4.2K)	3.1 2.1(Annealed 300K)		HF		▽1683
GePt	0.40		B31		270
$Ge_{0.5}Pt_{0.5}$(Deposit 4.2K)	1.4			1.0 (Annealed 300K)	▽1683
GeRh	0.96		B31		270 141
Ge_3Rh_5	2.12		ORTHO		141 037
$Ge_{0.5}Rh_{0.5}$				1.1	▽1683
$Ge_{0.5}Ru_{0.5}$				1.1	▽1683
$Ge_{0.3}Sb_{0.7}$("Gun" cooled)	3.3		CUB		1829
$Ge_{0.2,0.4}Sb_{0.8,0.6}$("Gun" Cooled)			CUB	1.3	1829
$Ge_{0.2-0.8}Sb_{0.8-0.2}V_3$	4.3-5.9				1456
Ge_2Sc	1.30-1.31				025
$Ge_{1-0}Si_{0-1}V_3$	6.05-16.5		A15		1369 1761 1456
$Ge_{0-0.25}Si_{1-0.75}V_3$	17-11		A15		1983
$Ge_{0.1}Si_{0.9}V_3$	14.4 16.4(Annealed)		A15		1073
Ge_xSn_{1-x}(≈3000Å)	3.2-4.1				▽1417
$Ge_{0.3}Sn_{0.7}$(Rapid quench)	T_c'(+3.3)				1784
Ge, Sn(0-100Å Ge on Sn at 315Å)	T_c'(-0.08)				▽989
GeSnTe(See Table 4)					
$Ge_{1-0}Sn_{0-1}V_3$	6.05-3.8-<3.8		A15		1369 1456
Ge_2Ta				1.2	010
$GeTa_2$(?)				1.6	010

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$GeTa_3$(4000Å)	~8				∇1410
GeTe(See Table 4)					
Ge_2Th_3			TET	0.1	927
$GeTh_2$			C16	0.07	1377 010
Ge_2Ti			C54	1.20	010 522
Ge_3Ti_5			$D8_8$	1.20	522 010
$Ge_{0.3}Tl_{0.7}$(Rapid quench)	$T_c'(0)$				1784
GeTl(Superimposed films)	$T_c'(+0.11)$				∇989
Ge_3U			$L1_2$	0.35	270 1677#
GeV_3	6.10		A15		1446 1013 645 1369 578 474 010 894 572#
GeV_3	5.88-6.9	HF(719)	A15		1164 1015 894 792 719 1808 465 447 010 706#
GeV_3(>13,000Å)	6.7	HF			∇719
Ge_2Y	3.80		C_c		025 572#
GeY				1.15	711
$Ge_{1.62}Y$			C_c		676 808#
$Ge_{0.3}Zn_{0.7}$(Rapid quench)	$T_c'(0)$				1784
Ge_3Zr_5			$D8_8$	0.35	270
Ge_2Zr			C49	0.35	270 010
GeZr				1.2	010
$H_{2.45}La$			CUB	1.8	040
$H_{1.8-2.36}La$				1.1	488
$H_{1.96}La$				0.33	488
HLiN(See Table 3)					
$H_{14.4ppm}Mo$	0.904				1947
$H_3NNa_{0.01-0.12}$				Low resistivity	1684 066
$H_{1.33}N_{0.33}O_3W$	3.2-1.4		HEX		1379
$H_{0-0.147}Nb_{1-0.853}$	9.30-6.75		CUB's		1208 049 306 199
$H_{0.33}Nb_{0.67}$	7.28	HF(631)	CUB		049 097 306 631
$H_{0.7}Nb_{0.3}$				0.47	410
$H_{0.88,0.99}Nb$				1.94	110
$H_{\sim1-1.5}Nb_3Sn$	4.2-18.2		A15		1077

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$H_xNi_{0.015}Pd$	5.5-<1.5				1311
$H_xNi_{0.05}Pd$	3-<1.5				1311
$H_{1-0.7}Pd$(Electrolysis)	~8-<1.5	HF(1727 1763)			1647 1727# 1763
$H_{0.94}Pd$	6.6	1800			1763
$H_{0.87}Pd$	4.3-1.7				1311 1670# 1905
$H_{0.81}Pd$	2.5-<1.5				1311
$H_{0.73}Pd$				1.25	1311
H_xPd(0.15-5.1 kbar)	2.2-7.3				1498
H_xPd(Ion implantation)	1.5-9 Max.				1402 164 1497 572# 1912# 1985
$H_xPd_{0.95}Rh_{0.05}$(P=1-4.2 kbar)	2.0-3.3				1498
$H_{0-0.87}S_2Ta$(Unstable)	0.8-4.2-<0.5				1871
$H_{0.11}S_2Ta$	4.2				1871
$H_{0.04-0.12}Ta_{0.96-0.88}$	3.62-2.81		CUB		049 346 097
H_xTa		HF			346
H_2Ti			CUB	1.02	270
$H_{0.5}V$				1.7	1617#
$H_{0.32}V_{0.68}$				4.2	1144
H_2Zr			L'_{2b}	1.02	270
Hf(RRR 2-80)			A3	0.015	942 031 001 031 270 266 572#
Hf(100-7000Å, deposit 100-400C)				1.3	∇1273
Hf_2InN			HEX	1.1	632
Hf_2Ir			$E9_3$	1.6	1299
$Hf_{0.91-0.33}Mo_{0.09-0.67}$	2.1-2.9-1		CUB		956
$H_{3.6-3.65}Th$	8.05-8.35	HF	CUB		1117 1187
$H_{15}Th_4$(P=0-28 kbar)	7.63-8.45				1673
$Hf_{0.9}Mo_{0.1}$	2.5				266
$HfMo_2$	0.065		C36		1586 1988 956 266 270
$HfMo_2$(Various anneals)	0.063-0.076		C15		1586 956 1988
$HfMo_2$	~1		CUB		956
$Hf_{0.15}Mo_{0.85}$			CUB	1.02	266

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$HfMo_{0-0.44}V_{2-1.56}$	9.2-9.3-8.8				1323
HfN	8.83, 6.2		B1		1542# 278 1238 559 558
$Hf_{0-1}NNb_{1-0}$	14.6-5.3	HF	B1		1203
$Hf_{0.96-0}N_{0.92-1.02}Zr_{0.04-1}$	6.2-10.7		B1		1961 278
$Hf_{0.97}N_{0.76-0.85}Zr_{0.03}$	8.7		B1		1961
$HfN_{1.118}Zr_{500\ ppm}$			B1	2.0	1961
$Hf_{0-0.75}Nb_{1-0.25}$	9.22-9.85-6.5				885 253
$Hf_{0-0.9}Nb_{1-0.1}$(Weight fraction)	9.3-9.8-5.5-9	HF			1559
$Hf_{0.15}Nb_{0.85}$	9.85				885
Hf_xNb_{1-x}		HF			616 441 218 289 399 466
$Hf_{0.33}Nb_{0.67}$(High temp. substrate)	17 Max.				∇1438
$Hf_{0.5}Nb_{0.5}$	9.5 Max.				∇1438
$Hf_{0.04}Nb_{0.42}Ta_{0.04}Ti_{0.50}$		HF			1391
$Hf_{0.04}Nb_{0.32}Ti_{0.64}$		HF			1391
$Hf_{0.04}Nb_{0.40}Ti_{0.52}V_{0.04}$		HF			1391
$Hf_{0.7-0}Nb_{0.3}Ti_{0-0.7}Zr_{0.7-0}$	~9-~5	HF			1748 1092 1391
$HfNb_{0-0.5}V_{2-1.5}$	9.2-10-9.5				1323
$Hf_{0.33}Nb_{0.33}V_{0.33}$	6.6 Max.				∇1438
$Hf_{0.33}Nb_{0.17}V_{0.7}$				4.2	∇1438
$Hf_{0-0.5}Nb_{0.5}Zr_{0.5-0}$	9.3-7, 6.6-6.5, 4.8	HF			1747
$Hf_{0-0.3}Nb_{0.7}Zr_{0.3-0}$	11-8.6, 7.3-6.5	HF			1747
$Hf_{0-0.7}Nb_{0.3}Zr_{0.7-0}$	9-~6, 7	HF			1747
$Hf_{0.36}Nb_{0.62}Zr_{0.02}$	7.75(Quenched) 8.1(Annealed)				1334
$Hf_{0.3}Nb_{0.4}Zr_{0.3}$		HF			1391
$Hf_{0.13}Nb_{0.74}Zr_{0.13}$		HF			1391
Hf_2Ni	0.87		C16		1377
$Hf_{0.63}Ni_{0.25}Re_{0.12}$			$E9_3$	1.02	270
$Hf_{0.67}Ni_{0.233}Ru_{0.1}$			$E9_3$	1.02	270
$HfOs_2$	2.69, 2.0		C14		127 1478
$Hf_{0.65-0.85}Os_{0.35-0.15}$	2.3-2.4		CUB		266
$Hf_{0.875}Re_{0.125}$	1.70		CUB		266 468
$Hf_{\sim0.5}Re_{\sim0.5}$			A12	1.02	266 468

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$HfRe_2$	4.80, 5.61		C14		266 468 127 1478 1149
$Hf_{0.14}Re_{0.86}$	5.86		A12		266 468
$Hf_{0.025}Re_{0.975}$	7.3		HEX		266 468
$Hf_{0.99-0.8}Rh_{0.01-0.2}$	1.7-2.4-1.98 (Quenched) 1.3-1.98 (Annealed)				1058
$Hf_{0.99-0.96}Rh_{0.01-0.04}$	0.85-1.51				216
HfRh	1.73				1058
Hf_2Rh	1.98, 2.02		$E9_3$		1058 1299
$Hf_{0.05}Rh_{0.04}Ti_{0.91}$	1.7				1060
HfRu			B2	1.02	270
$HfSb_2$				1.1	1583
Hf_2Si			C16	0.07	1377
Hf_3Si_2				0.1	927
$HfSi_2$				1.02	181
$Hf_{0.61-0.1}Ta_{0.39-0.9}$(P study)	5.71-6.90-5.60				1816 572#
$Hf_{0-0.55}Ta_{1-0.45}$	4.4-6.5		CUB		253
$Hf_{0.2}Ta_{0.8}$	6.90		CUB		1816
Hf_xTa_{1-x}		HF			218 289 399 466
$Hf_xTa_{1-x}V_2$	>9.3 Max.				1381
$HfTa_{0-0.5}V_{1-1.5}$	9.2-9.4-9.0				1323
$Hf_{1-0.8}Ta_{0-0.2}V_2$	8.8-9.6				1722
$HfTc_2$	5.6		C14		1149
HfV_2	9.2	HF(1189)	C15(ORTHO Below 20K) (1486)		1323 1189# 1486 1381# 640 1400#
HfV_2(0, 21 kbar)	8.85, 9.0		C15		1722
$HfV_{2.3}$	9.2		C15		1189
$Hf_{1-0}V_2Zr_{0-1}$	9.2-10.05-8.5 8.6-10.1-8.3	HF(1381) (1630)	C15		1323 1652 1381 1630
$Hf_{1-0}V_2Zr_{0-1}$	8.9-10.9-7.8				1722
$Hf_{0.8}V_2Zr_{0.2}$(0, 24 kbar)	9.7, 10.7				1722
$Hf_{0.6}V_2Zr_{0.4}$	9.9, 9.6				1722
$Hf_{0.5}V_2Zr_{0.5}$	10.1	HF	C15		1189# 1381#
HfW_2			C15	0.033	1586 1988 270 956
$Hf_{0.92-0.66}W_{0.08-0.34}$	2.3-2.8-2.5				956

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Hf_{0.26-0.11}W_{0.74-0.89}$				1.2	956
$Hf_{0.99}Zr_{0.01}$	0.37(Annealed)		HEX		001 031
$Hf_{0.985-0.977}Zr_{0.015-0.023}$	0.12, 0.18(Increases with P to 150 kbar)				1957
$HfZr_{0.05}$				0.22	047
$Hf_{0.25-0.75}Zr_{0.75-0.25}$			HEX	0.35	253 572#
Hg(99.999%)	4.154	410.88	A10		579# 176 114 001 350 527# 1250# 1067 1267
Hg(β)(Stable below 79K)	3.949	339.3			176 114
Hg(Droplets 300Å diam.)	4.19	HF			350
Hg(Filamentary in vycor)		HF			331
Hg(Dispersed in Zeolites; size 11.4Å, P=18, 20 kbar)	5-10				1578 1285
Hg(In chrysotile asbestos, 60Å diam.)	4.3	HF			1284 1281
Hg(admixtures of $HgBr_2$ and $HgCl_2$	3.96-4.06-1.7				∇1083
Hg(460-4000Å)	Data given				387
$Hg_{0-0.05}In_{1-0.95}$	3.41-3.34-3.43				143 256 257#
$Hg_{1-0.995}In_{0-0.005}$	4.15-4.13		RHOMB		256 257# 320
$Hg_{0.95-0.83}In_{0.05-0.17}$	3.95-3.14				445
$Hg_{0.98-0.8}In_{0.02-0.2}$	4.07-3.15				256 257#
HgIn	3.81, 3.16				256 257# 959
$Hg_{0.08-0.2}In_{0.92-0.8}$	3.25-4.55		CUB		256 257#
$Hg_{1-x}In$	T_c'(-0.07+0.03)				1090 1097
$Hg_{1-0}In_{0-1}$(36 data points)	3.2-4.6(Quenched) 3.15-4.17(Annealed)				1049
$Hg_xTl_{0.01,0.02}Tl_{1-x}$(P study)	T_c'(-0.18)		HEX		858
Hg_8K	3.42				258
Hg_4K	3.27				258
Hg_3K	3.18				258
Hg_2K	1.20				258
HgK, Hg_7K_5				1.14	258
$HgLi_3$			CUB	1.08	258
Hg_3Li	1.7		HEX		258
Hg_2Mg	4.0-3.4		C11b		1232
HgMg	1.39-1.34		B2		1232
$HgMg_2$	0.48-0.37				1232
Hg_3Mg_5	0.48-0.33		$D8_8$		1232

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Hg_2Mg_5				0.3	1232
$HgMg_3$	0.16		DO_{18}		1232
Hg_5Mn_2				2.1	661
Hg_4Na	3.05				258
Hg_2Na	1.62		HEX		258
HgNa			ORTHO	1.08	258
Hg_2Na_3			TET	1.08	258
$Hg_{0-0.03}Pb_{1-0.97}$	T_c'(-0.06)				1165 861
Hg_2Pt				1.10	258
$Hg_{0-1}Pb_{1-0}$	7.26-4.14				083 089
$Hg_{0.101}Pb_{0.899}$		HF			322 403 404
$Hg_{0.05}Pb_{0.95}$		HF			322
Hg_4Pt			Data given	0.32	489
Hg_3Pt, Hg_5Pt_2				1.06	258
$Hg_{0.12-0.20}Pt_{0.88-0.8}$	3.75-3.98				258
HgS				1.30	084
$Hg_xSb_{0.0004, 0.0008}Tl_{1-x}$ (P data)	T_c'(-0.14)		HEX		858
$Hg_{0.8-0}Sn_{0.2-1}$	4.5-5.1-3.7				1304
HgSn(1st alloy discovered)	4.2				091
$Hg_{0-0.01}Sn_{1-0.99}$	3.726-3.734		TET		318# 1153
Hg_xSn_yTl	Data given				1108
$HgTi_3$			A15	0.35	980
$Hg_{0.97}Tl_{0.03}$	4.109				258
$Hg_{0.935-0.734}Tl_{0.065-0.266}$	4.10-3.69				258
$Hg_{0.714}Tl_{0.286}$	3.875				258 071
$Hg_{0.698}Tl_{0.302}$	3.888				258
$Hg_{0.131-0.026}Tl_{0.869-0.974}$	3.25-2.30				258
$Hg_{0-0.012}Tl$	T_c'(-0.14)	Data given	HEX		591 858 1095 1108
$Hg_{\sim 0.009}Tl_{0.991}$(P=0-25 kbar)	T_c'(-0.02+0.02-0.14)				998 1878
$Hg_{\sim 0.0045}Tl_{0.9955}$(P-0-24 kbar)	T_c'(+0.05-0.12)				998
$Hg_{1-x}Zn_x$	T_c'(-)				1097
Hg_3Zr	3.28		$L1_2$		715
$HgZr_3$			A15	0.35	980
Ho			A3	0.38	291
$Ho_{0-0.042}La_{1-0.958}$	6.3-1.3				200 115

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
In(RRR=9000)	3.4087	281.53	A6(TET)		1620# 932# 293 180# 320 340 206 143 462# 282# 585 749# 765 791 829 001# 024 267 1140# 1074# 1267 329# 391 378
In(In pores - 31-80Å)	4.24-3.96	HF			1642
In(In pores- 65-250Å)	4.2-3.4	HF			986 738 1614
In(Particles - 150Å)	3.7, 3.39				1349 604
IN(P = 0-62 kbar)	3.42-1.6 (Discontinuity)	220-~20			1211
In(Strained film)	T_c'(+0.91)				▽1380
In(Deposit 4.2, 10-40,000Å)	4.6-3.4	HF(1963 1877 888)			▽1741 ▽1877 ▽1278 ▽1207 ▽800 ▽837 ▽351 ▽373 ▽378 ▽391 ▽596 ▽602 ▽1268 ▽1963 ▽888 ▽532 ▽1062 ▽220 ▽210
In(<50Å)	4.65 Max.				▽1648
In(119-171Å)	3.94-3.99				▽1711
In(Deposit low temp., with Cr, Mn, Fe and Co)					▽296 ▽748
In(See Table 3)					
In_3La	0.70		$L1_2$		715 270 240 768#
$InLa_3$	9.54	2270, HF (1125)	$L1_2$		1564# 173 1137 1125 1065 658
$InLa_3$(0 35 kbar)	9.75-10.55				658
$In_{3-0}LaSn_{0-3}$	0.7-0.3-1.3-0.4-6.0				1938# 1939 715
$In_{0-0.22}La_{1-0.78}Sn_3$	6.5-<1				1183
$In_{0.8}La_3Sn_{0.2}$	7.80		$L1_2$		1564
$In_{0.5}La_3Tl_{0.5}$	8.90		$L1_2$		1564

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
In_3Lu	0.24, 0.14		$L1_2$		715
$In_{1-x}Mg_x$	3.405-3.3-3.71 3.63				1596 1604
$In_{1-0.863}Mg_{0-0.137}$	3.395-3.363	272.4-259.2			462#
$In_{0.18}Mg_{0.82}$			HEX	0.013	1340#
$In_{0.62-0.3}Mg_{0.38-0.7}$(4000-5000Å)	3.58-3.78				▽448
$In_{1-0.9996}Mn_{0-0.0004}$ (Deposit 4.2K)	4.2-2.2				▽351
$InMn_{0-0.0567}$(Deposit <5K, 900-2500Å)	3.980-1.741- <1.15				▽1715 ▽1773
$In_{1-x}Mn_x$	T_c'(-0.28)				598 754 765
$In_{1-x-y}Mn_xPb_y$	T_c'(-0.045)				754 598
$In_{1-x-y}Mn_xSn_y$	T_c'(-0.025+0.115)				754
InN	3.38		B4		558
$InNTi_2$			HEX	1.1	632
$In_{0.488}Na_{0.025}Pb_{0.488}$	>6	HF			1886
$InNb_3$(Sputtered)	7.6		A15		1825 277
$InNb_3$(High P and temp.)	4-8		A15		508
$InNb_3$			CUB	2.25	508
$In_{0-0.3}Nb_3Sn_{1-0.7}$	18-18.26-18		A15		1982 1072 315 299
$In_{0.15}Nb_3Sn_{0.85}$	18.26				1982
$In_{0-0.3}Nb_3Sb_{0-0.3}Sn_{1-0.4}$	18-14.4				1982
$In_{0.15}Nb_3Sb_{0.15}Sn_{0.7}$	16.09				1982
$In_{0.5}Nb_3Zr_{0.5}$	6.4				427
$In_{0.11}O_3W$	<1.25-2.8		HEX		644
$In_{1-0}Pb_{0-1}$	3.40-7.19				1482# 080 089
$In_{1-0.992}Pb_{0-0.008}$	T_c'(-0.015-0.003)	271-276			1606 319 462# 320 480
$In_{1-0.75}Pb_{0-0.25}$	3.4-5.45	290-660			1388#
$In_{1-0.89}Pb_{0-0.11}$	3.367-4.85	280-565, HF	TET		969 1029 1074
$In_{1-0.88}Pb_{0-0.12}$	3.4-4.8(Break at $Pb_{0.07}$)	280-390- 375-570			1029 445 1074#
$In_{0.3-0.8}Pb_{0.7-0.2}$	6.78-5.53	815-610, HF(949)			1260 949 665
$In_{0.6-0}Pb_{0.4-1}$	6.21-6.76-7.19	HF			1610 1297 1632# 861 1225 1408 627 080 745#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$In_{0-0.028}Pb_{1-0.972}$	T'_c(-0.085)				1165 936 1452# 1133 1836
$In_{0.08-0}Pb_{0.92-1}$	7.025-7.190	HF			1663 1713 844 118 080 1529 401 322 609
$In_{0.955}Pb_{0.045}$	3.69	353, HF			1140#
$In_{0.961}Pb_{0.039}$	3.64	Type I to II			1025 662
$In_{0.913}Pb_{0.087}$	4.2	HF			665
$In_{0.6}Pb_{0.4}$	6.36	HF			809 745# 1917 1415
$In_{0.35}Pb_{0.965}$		850, HF			919 322 683
$In_{0.087}Pb_{0.913}$	7.035	HF			1269
$In_{0.99}Pb_{0.01}$(200-200,000Å)		290, HF			▽888
In_xPb_{1-x}					▽1126 ▽750
$In_{0.1}Pb_{0.9}$(Quench condensed)	6.80 7.06(Annealed)				▽1491
$In_{0.22}Pb_{0.57}Sn_{0.21}$		HF			1041 1972
$In_{3(1-x)}Pb_{3x}Y$	4.7-1.2		$L1_2$		715
InPd	0.7		B2		489
$In_{0.97}Pd_{0.03}$(Deposited 6K)	4.45				▽351
In_3Rh			TET	1.02	270
InRh			B2	0.32	489
In_3Ru	2.68				711
InSb(II)(P phase)	2.0		TET		1556 1202 539 424 761 689 718
InSb(III)(P phase, 37-125 kbar)	4.1		HEX(?)		1556 1202 689
InSb(IV)(P∼70 kbar)	3.6		ORTHO		1556 689 1129
InSb	2.1	HF			471 502
$In_{0.25}Sb_{0.75}$(Rapid quench)	4.1		CUB		1116
InSb(See Table 4)					
InSbSn	2.5		A5		761
$In_{1-0}Sb_{1-0}Sn_{0-1}$(Prepared at 25 kbar)	1.8-3.7		A5		761
$(InSb)_{0-0.035}Sn_{1-0.93}$	0.372-3.66-3.74				1050 265 341
$(InSb)_{\sim 0.006}Sn_{0.988}$	3.655	300.5			1724#
$(InSb(II))_{0.95-0.1}Sn_{0.05-0.9}$	3.8-5.1				539

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
In_2SbTe_2	1.06		B1		1911 1007
$InSc_2$			$B8_2$	4.2	853
$InSc_3$			DO_{19}		212
$In_{0.2}Si_{0.8}V_3$	16.2 16.8(Annealed)		A15		1073 824
$In_{0.75}Sn_{0.25}(\beta)$	5.10(Very slow anneal) 5.95 (Quenched)		TET		1834 1767 026 261 204
$In_{0.5}Sn_{0.5}$	6.9				204
$In_{0.7}Sn_{0.3}$	7.3				204
$In_{0.88}Sn_{0.12}$	5.03	HF			1164
$In_{0.96-0.87}Sn_{0.04-0.13}$	3.7-5.03				445
$In_{0.5}Sn_{0.5}$(Weight fraction)	7.45	HF			1917
$In_{0.05}Sn_{0.95}$	3.625	HF			1612
$In_{0.02}Sn_{0.98}$(Whisker, $2\times10^{-9}cm^2$)	3.636				1546
$In_{1-0.942}Sn_{0-0.058}$	3.44-3.90	275-360			763 609 1780 1184# 799 1258#
$In_{1-0.98}Sn_{0-0.02}$	T_c'(-0.01+0.125)				320 345 319
$In_{0.06-0.01}Sn_{0.94-0.99}$	3.645-3.625-3.64	HF			1050
$In_{0.017-0.075}Sn_{0.983-0.925}$	3.620-4.885				1201
In_xSn_{1-x}	T_c'(-0.105)	Data given			1618 562 318# 341 309 360 814# 912 910# 666 1724#
$In_{0.012}Sn_{0.988}$	3.690	307.0			
In_xSn_{1-x}(Quenched from liquid)	3.7-7.8				261 265 204
$InSn_{0.02-0.03}$(Deposit 77K, ~300-23,000Å)	3.78-3.5	Data given			▽1962
$InSn_{0.03}$(~300-7000Å)	3.78-3.58	Data given			▽1962
$In_{1.0-0.94}Sn_{0-0.06}$	3.4-3.82	HF (854 1619)			▽763 ▽450 ▽750 ▽854 ▽1235 ▽1619
InSnTe (See Table 4)					
$In_{3(1-x)}Sn_{3x}Th$	3.9 Max.		$L1_2$		715
$In_{3(1-x)}Sn_{3x}Y$	1.5 Max.		$L1_2$		715
In_2Te				1.37	229
InTe	2.2	800	B1		761 442 770 507
InTe			TET	1.37	696 229 507

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
InTe	3.2-3.45		B1		506 507
In_2Te_3				1.0	515
In_3Te_4	1.25-1.15				515
In, Te(See Table 4)					
In_3Th			$L1_2$	0.05	715
$InTh_2$			C16	0.07	1377
$In_{1-0.992}Th_{0-0.008}$	T_c'(-0.0252)				319 320
$In_{1-0.5}Tl_{0-0.5}$	3.374-2.7	284-252			044# 080 083
$In_{0.95-0.75}Tl_{0.05-0.25}$	3.30-3.16	HF	TET		338 1155
$In_{1-0.933}Tl_{0-0.067}$	3.4087-3.284	281.53-272.41	TET		585 1155 1620#
$In_{0.78-0.69}Tl_{0.22-0.31}$	3.18-3.32		TET		692
$In_{0.69-0.62}Tl_{0.31-0.38}$	2.98-3.3	HF(1155)	CUB		692 1155 664
$In_{0.1-0.45}Tl_{0.90-0.55}$	2.9-3.7-2.5 (Annealed)		HEX-CUB-CUB		1156
$In_{0-0.45}Tl_{1-0.55}$	2.9-4.0-2.4 (Quenched)		CUB, HEX, CUB		1156
In_xTl_{1-x}	T_c'(+0.39)		HEX		858 1879 209 044 1108
$In_{0.005}Tl_{0.995}$	2.418				209
$In_{0-0.6}Tl_{1-0.4}$(Weight fraction, ~1500Å)	2.2-3.7-2.4-3.2				∇1865
$In_{0.1}Tl_{0.9}$(Deposit 0.3K)	3.27 2.78(Anneal 300-330K)				∇1900
$In_{1-0}Tl_{0-1}$(Junction study)	3.40-3.2-2.52-3.64-2.33				∇1270
In_3U			$L1_2$	0.07	715 1677# 412
InV_3					824 825
In_3Y	0.78		$L1_2$		715
In_3Yb			$L1_2$	0.05	715
$In_{0.85, 0.92}Zn_{0.15, 0.08}$ (Deposited 6K)	4.6, 4.55				∇351
$InZr_3$			$L1_2$	1.02	270 572#
Ir(RRR>2000)	0.1125	16	A1		1492# 1624 1946 963# 1481 223 023 572# 302
Ir(RRR=2.5->2000)	0.05-0.1125	HF			1492
Ir				0.3	∇503

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Ir_5La	2.13				469
Ir_3La	2.32		$D10_2$		658 469
Ir_2La	0.48		C15		469 127 171
Ir_3La_7	2.24		$D10_2$		469
Ir_3Lu	2.89		C15		469
Ir_2Lu	2.47		C15		469
IrLu			B2	0.32	469
$IrLu_2$	0.84(Portion only)				469
Ir_3Lu_7	0.78(Portion only)				469
$IrLu_3$				0.32	469
$IrMo_3$(Varies with order state)	8.17, 8.8		A15		1446 1692 707 033 270 352 292 276 465# 572#
$Ir_{0.26}Mo_{0.74}$	6.7		$D8_b$		276 283 270
IrMo	~8.8		B19		1039
IrMo	~1.85(1039)		HEX	1.0	033 1039
Ir_xMo	~1.7-0.15		HEX		1570
$Ir_{0.987-0.82}Mo_{0.013-0.18}$	0.105-0.5				1963#
$Ir_{0.29}Mo_{0.41}Nb_{0.3}$	8.7 Max.				▽1438
$IrMo_3Nb_3Pt$	6.13				707
$IrMo_3NbPt$	5.82(As cast)				707
$Ir_{0.25}Mo_{0.75}Nb_{2.25}Pt_{0.75}$	6.5		A15		1580
$Ir_{0.3}Mo_{0.4}Re_{0.3}$	9.5 Max.				▽1438
$Ir_yMo_{0.65-0.79}Re_z$	8-9.5		A15		1692
Ir_3Nb			$L1_2$	1.2	4.2
$Ir_{1.15}Nb_{0.85}$	4.6		ORTHO		1299
$Ir_{1.05}Nb_{0.95}$	4.75		$L1_0$		1299
$IrNb_3$	1.3-2.07		A15		1466 922# 707 128 117 033 124 492
$Ir_{0.34}Nb_{0.66}$	2.25		$D8_b$		1625#
$Ir_{0.99-0.9}Nb_{0.01-0.1}$	0.084-0.172-0.049				963
$Ir_{0.1}Nb_{0.9}$	2.3				592
$Ir_{0.34-0.4}Nb_{0.66-0.6}$	2.25-2.20(2nd phase 7.7-9.8)		$D8_b$		1625# 557# 572# 276 (173, 182, 1625)

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c (K)	H_0 (oersted)	Crystal Structure	T_n (K)	Refs.
$Ir_{2.76}NbPt_{0.24}$			$L1_2$	1.6	1299
$Ir_{2.55}NbPt_{0.45}$			HEX	1.6	1299
$Ir_{0.45}NbPt_{2.55}$			DO_{19}	1.6	1299
$Ir_{0.02,0.05}Nb_3Rh_{0.98,0.95}$	2.43, 2.38		A15		492
$Ir_{0.9-0.1}Nb_3Rh_{0.1-0.9}$			A15	1.7	492
$Ir_{0.984}Ni_{0.0165}$	0.052				1624
$Ir_{0.287}O_{0.14}Ti_{0.573}$	5.5		$E9_3$		270
$Ir_{0.265}O_{0.085}Zr_{0.65}$	2.3		$E9_3$		270
$Ir_{0.9-0.2}Os_{0.1-0.8}$	0.55-0.98-0.30		HEX, CUB		239 963# 572# 574#
$Ir_{0.5}Os_{0.5}$	0.98		CUB		230
$Ir_{0.75}Os_{0.25}$	0.40				963
$Ir_xOs_yRh_z$ (32 samples)	0.026-0.55				963 574#
$Ir_{0.18}Os_{0.47}Rh_{0.35}$	0.55				963
$Ir_{0.75}Os_{0.05}Rh_{0.2}$	0.047-0.055				963
$Ir_{0.76}Os_{0.09}Rh_{0.15}$				0.015	963
$Ir_{0.73}Os_{0.17}Ru_{0.1}$	0.31-0.34				963
$Ir_{0.825}Os_{0.1}Ru_{0.075}$	0.13-0.16				963
IrOsY	2.6				171 201
$Ir_{1.5}O_{0.5}Y$	2.4				201
$Ir_{1-x}Os_xZr_2$	6.8-7.2		C16		1476
Ir_2P				0.35	491
IrP				0.35	491
$Ir_{0.96-0.88}Pd_{0.04-0.12}$	0.022-0.069				963 574#
$Ir_{0.8-0.1}Pd_{0.2-0.9}$				0.015	963
$Ir_{0.83}Pd_{0.045}Pt_{0.125}$	0.030-0.037				963
$Ir_{0.1-0.5}Pd_{0.2-0.5}Rh_{0.6-0.2}$				0.015	963
$Ir_{0.9}Pt_{0.1}$	0.053-0.066				963# 572#
$Ir_{0.8}Pt_{0.2}$	0.032-0.046				963# 474#
$Ir_{0.72}Pt_{0.08}Rh_{0.2}$	0.025-0.030				963
$Ir_{0.775}Pt_{0.175}Rh_{0.5}$	0.025-0.032				963
$Ir_{1-x}Pt_xZr_2$	7.2-8.6				1476
$Ir_{0.98}Re_{0.02}$	0.109-1.7				963
$Ir_{0-0.02}Re_{1-0.98}$	1.7-1.97				1646
$Ir_{0-1}Re_{1-0}$(Amorphous)	7.5-<1.7				$^{\nabla}$1325
$Ir_{0.4-0.72}Re_{0.1-0.18}Rh_{0.5-0.1}$	0.06-0.6				963 574#
$Ir_{1-0.58}Rh_{0-0.42}$	0.103-0.005		A1		1118 574

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Ir_{0.9-0.7}Rh_{0.1-0.3}$				0.015	963
$Ir_{0.75-0.95}Rh_{0.25-0.05}$	0.020-0.075				963
$Ir_{0.8-0.02}Rh_{0.15-0.5}Ru_{0.05-0.3}$	0.01-0.064				963
$Ir_{0.3}Rh_{0.5}Ru_{0.2}$				0.015	963
$Ir_{0.05}Rh_{0.04}Ti_{0.91}$	4.0				1060
$Ir_{0.125}Rh_{0.125}Zr_{0.75}$	10.2 Max.				▽1438
$Ir_{0.925-0.71}Ru_{0.075-0.29}$	0.105-0.18				963 574
Ir_xRu	0.4-0.1		HEX		1570
$Ir_{0.2}Ru_{0.05}Zr_{0.75}$	6.8 Max.				▽1438
IrS, $IrS_{2.6}$				0.32	552
IrSb			$B8_1$	0.35	481 396
Ir_2Sb				0.35	491
$IrSc_3$, Ir_3Sc, IrSc				0.32	469
$Ir_{0.32}Sc_{0.68}$				0.32	469
$Ir_{2.5}Sc$	2.46, 2.13, 1.03, 0.42		C15		127 469
$IrSe_2$			ORTHO	0.32	552
$IrSe_{2.9}$				0.32	552
IrSi			B31	1.02	270 412
$IrSi_3$			DO_{18}	1.02	270
$Ir_{0.2}Si_{0.05}Zr_{0.75}$	6.2 Max.				▽1438
$IrSn_2$	0.65-0.78		C1		486
Ir_2Sr	5.7		C15		028
$Ir_{0.35}Ta_{0.65}$			$D8_b$	1.2	276 182
$Ir_{0.85}Ta_{0.15}$				0.024	963
$Ir_{0.99-0.9}Ta_{0.01-0.1}$	0.096-0.15-0.05				963#
$IrTe_3$	1.18		C2		552 270
$IrTe_2$			C6	0.32	552
$Ir_{0.5}Te_{0.5}$	3.0 (Start of transition)		$B8_1$	0.35	552 270
Ir_5Th	3.93		$D2_d$		469
Ir_3Th	4.71				469
Ir_2Th			C15		173 478 572#
IrTh	0.37		B_f		469
Ir_3Th_7	1.52		$D10_2$		173
$IrTi_3$	4.97 4.18 (As cast)		A15		1446 173 707
$Ir_{0-0.135}Ti_{1-0.865}$	3.9 Max.				717

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Ir_{0.10}Ti_{0.90}$	4.3		CUB		717
$Ir_{0.04}Ti_{0.96}$	1.6		CUB		717
Ir_3U			$L1_2$	1.2	412
Ir_3V			C15	0.35	270
$Ir_{0.99-0.85}V_{0.01-0.15}$	0.086-0.26				963
Ir_2U			$L1_2$	4.2	1299
IrV(β)			$L1_0$	1.36	1299
IrV(α)			ORTHO	1.6	1299
$Ir_{0.31-0.37}V_{0.69-0.63}$	0.91, 1.39, 1.71		A15		1446 948# 173
IrV_3			A15	0.015	948# 707 1578 498 270 173
$Ir_{0.33}V_{2.67}$	1.39				498
$Ir_{0.987-0.85}W_{0.013-0.15}$	0.105-0.41				963#
$Ir_{0.28}W_{0.72}$	4.46		$D8_b$		295# 276 557# 572#
$Ir_{0.25}W_{0.75}$	3.82-2.1				033
$Ir_{3?}Y$	3.5				469
Ir_2Y	2.18, 1.09		C15		127 469 201
$Ir_{0.65-0.69}Y_{0.35-0.31}$	1.38, 1.44, 1.98				469
Ir_2Y_3	1.61				469
IrY_4				0.32	469
$Ir_{0-1}Y_{1-0}$	0.3-3.7				454
$Ir_{0.7}Y_{0.3}$	2.16		C15		469
$Ir_{0.01-0.02}Y_{0.99-0.98}$	0.49, 0.35				469
Ir_2Yb				1.3	247
Ir_2Zr	4.1		C15		173
$IrZr_2$	7.23		C16		1476 1478
Ir_3Zr_5			$D8_8$	1.2	1476
$IrZr_3$	2.13		TET		1476
$Ir_{0.1}Zr_{0.9}$	5.50		HEX		032
$Ir_{0-0.1}Zr_{1-0.9}$	5.4, 3.3 Max.				717
$Ir_{0.25}Zr_{0.75}$	8.0 Max.				∇1438
K			A2	0.08	023 494
$K_{\sim0.5}MoO_3$	4.2		TET		1212
$K_{\sim0.9}MoO_3$				1.3	1212
$K_{0.4}MoS_2$	6.1		HEX(2H)		1920 1530

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$K_{0.4}MoS_2$	5.5		HEX(3R)		1920 1530
$K_{0.28}MoS_2$	≈6.2				1974
KNa_2				1.05	258
$K_{\sim 0.3}O_3Re$	3.6		HEX		1212
$K_{\sim 0.9}O_3Re$				1.3	1212
KOSrTaTi(See Table 4)					
$K_{0.27-0.31}O_3W$	0.50		HEX		500
$K_{0.40-0.57}O_3W$	1.5		TET		500
K_xO_3W(Powder)	2.52-1.0 5.70-3.31(Etched)		HEX		1080
KSb				1.28	011
K_2Te_3				1.46	427
La(α)	4.87	798	HEX		1158# 1016 1182# 1358 1468 806# 676# 808# 747 915 812 022#
La(β)	6.00	1096	A1		1158# 806# 1564# 1468# 1361# 1182# 022 009 001 812# 227 115 536 572# 328 092
La(Powder study)	4.82	1350			1365
La		HF			1265 925
La(with SiO_2 and inert metals)	4.9-1		HEX		923
La(As cast, ∼140 kbar)	11.93		A1, HEX		1016
La(β, 23-40 kbar)	8.2-9.2		A1		729 764
La(0-∼140 kbar)	5.9-11.93				1016
La(α, 0-225 kbar)	4.8-11.5		HEX		1689 729
La(1000-26,000Å)	4.9, 5-6.74				▿607 ▿1255 ▿1565
La(<1000Å)				1.2	▿607
La(Deposited 77K, 4000Å)	3.55				▿1921
La(1% Rare earths)	T'_c(+0.2+3.4)				1143
$La_{0.99}Lu_{0.01}$	5.60		HEX		115
$La_{0.98}Lu_{0.02}$	4.643	HF			1271
$La_{0.8}Lu_{0.2}$	3.4		HEX		022 227
$La_{0.55}Lu_{0.45}$	2.2		HEX		022 227

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$La_{0.91-0.95}Lu_{0.09-0.05}$ (2200, 1600Å)	3.28, 4.37				∇1255
$La_{0.98}Lu_{0.02-0.007}Tb_{0-0.013}$	4.643-0.632	HF	HEX		1493 1271
$LaMg_2$	1.05		C15		658 270
LaMg				0.33	658
La_xMo_{1-x}(Co-sputtered)	7.6 Max.				∇1565
$La_{0.2}Mo_{6.35}Pb_{0.8}S_8$	13.2	HF			1759
LaN	1.35	HF			668
$LaN_{0.98, 0.99}$			B1	1.38	559 558 040 067
$La_{0.94-0.32}Nb_{0.6-0.68}$ (Co-sputtered)	4.2-3.2-6.7				∇1565
$La_{1-0.956}Nd_{0-0.044}$	6.3-1.4				171 115 200
$La_{0.78}Ni_{0.22}$(Liquid quench)	3.0				1908
$LaNiO_3$				1.02	181
$La(O_2Si)_{0.05-0.13}$ (Volume fraction)	3.3-<1				∇1565
$La_{0.01}O_3Sr_{0.99}Ti$ (See Table 4)					
$LaOs_2$	8.9		C15		1897# 1376
$LaOs_2$	5.9, 6.5		C14		1375 127
LaP			B1	1.68	558
$LaPb_3$	4.07		$L1_2$		768# 715 1240 099
$La_{1-0.7}Pb_3Pr_{0-0.3}$	4.07-<0.3		$L1_2$		768#
$LaPb_{3(1-x)}Sn_{3x}$	6.0 Max. 3.5 Min.		$L1_2$		715
$La_{1-x}Pb_3Th_x$	Max. 4.2, 5.6		$L1_2$		715
$LaPb_{3x}Tl_{3(1-x)}$	Max. 2.1, 4.4		$L1_2$		715
$LaPd_3$			$L1_2$	0.32	469
$La_{0.99}Pr_{0.01}$	5.3				115 608
$La_{0.98}Pr_{0.02}Ru_2$	1.92, 1.82		C15		1490
$La_{3-2.58}Pr_{0-0.42}S_4$	8.1-2.7				1965
$La_{1-0.8}Pr_{0-0.2}Se$	10.2-<0.5				1965
$La_{3-2.25}Pr_{0-0.75}Tl$	7.7-0.8				1965
$La_{3-2.25}Pr_{0-0.75}Tl$	8.95-1.24		CUB		1154#
$La_{1-0.1}Pr_{0-0.1}Tl_3$	1.51-0.55		$L1_2$		768
$LaPt_2$	0.46		C15		469 127
$LaPt_5$			$D2_d$	0.32	469

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$LaRh_2$			C15	0.32	469 127
$LaRh_3$	2.60				469
$LaRh_5$	1.62				469
La_7Rh_3	2.58		$D10_2$		469 658
$La_{0.001-0.01}Rh_{0.999-0.99}$	1.6(broad)				563
$LaRu_2$	3.08, 4.1	HF	C15		1026 1783# 115 127
$La_{0-0.04}Ru_2Th_{1-0.96}$	3.2-4		C15		1499
LaS	0.84		B1		1965# 1370# 534 730
La_3S_4	8.06	HF	$D7_3$		1965# 1370# 730 534
La_2S_3			CUB	1.25	534 558
La_2S_3(P=30-100 kbar), Temp. 1500-1800C)	5.9-6.6 7.2-7.6 8.3-8.6 10.4-10.7 14.1-14.5		CUB		1279
LaS_2(See Table 4)					
$La_{2.4}S_4Y_{0.6}$	4.77		$D7_3$		1965# 1370#
LaSb			B1	1.02	270
LaSe	1.02		B1		1965# 1370# 534
La_3Se_4	7.8, 8.6	HF(534)	$D7_3$		1965# 1370# 534 770
La_2Se_3				1.25	534
La, Se(See Table 4)					
$La_{2.4}Se_4Y_{0.6}$	3.92		$D7_3$		1965# 1370#
La_5Si_3	1.6				288
$LaSi_2$	2.3		C_c		808# 1353 288 147 238 025 010 676# 572#
$LaSi_{1.82}$			C_c	1.2	1353
$LaSi_{2,1.75}$			ORTHO	1.2	1353
$La_{0.006}SiV_{2.994}$	16.48		A15		1913
$La_{0.06}SiV_{2.94}$	15.92		A15		1913
$La_{1-0.98}Sn_{0-0.02}$	6.3-1.3				200 115
$LaSn_3$	6.5	HF(1329)	$L1_2$		1240 768 1131 715 1329
La_5Sn_3				1.4	863

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$La_{1-0.98}Sn_3Pr_{0-0.02}$	6.55-<0.3		$L1_2$		768
$La_{1-x}Sn_3Th_x$	6.3 Max., ~7		$L1_2$		715, 1329
$LaSn_{3x}Tl_{3(1-x)}$	Max. 1.8, 6.0		$L1_2$		715
$La_{1-0.9}Sn_3Tm_{0-0.1}$	6.55-4.2		$L1_2$		768 1329
$La_{0.84}Sn_3Tm_{0.16}$	3.3	HF			1329
$La_{1-0.987}Tb_{0-0.013}$	6.3-1.4				200 115
LaTe	1.48		B1		1370# 1965#
La_3Te_4	5.3	HF(1024)	$D7_3$		1370# 1965# 1024
$La_{2.4}Te_4Y_{0.6}$			$D7_3$	1.7	1965#
$La_{0-1}Th_{1-0}$	1.28-6.0		A1		1182# 1361#
La_3Tl	8.86	1900	$L1_2$		1564# 1154
$LaTl_3$	1.57		$L1_2$		1240 768# 715
$La_{1-0.6}Y_{0-0.4}$	4.9-1.3		HEX		1182# 572# 1350# 227
$La_{0.95}Y_{0.05}$	5.40 4.4(Annealed)				022 227
$La_{0.85}Y_{0.15}$	3.06, 2.7		HEX		856 808# 022
$La_{0.75}Y_{0.25}$	2.0, 2.5				808# 022
$La_{0.7}Y_{0.3}$	1.85		HEX		1856
$La_{0.6}Y_{0.4}$	1.29				1856 808 022
$La_{0.48}Y_{0.52}$	1.0		RHOMB		808# 1182# 1350#
$La_{0.35}Y_{0.65}$	0.4		HEX		1350# 1182# 808#
$La_{0.15}Y_{0.85}$	0.1		HEX	0.1	808# 1182# 1350#
$La_{0.99}Y_{0.01}$	5.5				115 608
LaZn	1.04		B2		658
Li(RRR~4000)			A3	0.006	887 023
$Li_{0.4}MoS_2$	3.7		HEX		1920
$Li_{0.3}O_3W$	2.2-<1.3		HEX		1379
LiPb	7.2				085
$Li_{0-1.3}Pd$(Ion implant)				0.1	164
LiS				1.0	1191

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
$Li_{0.1\le 0.3}S_2Ti_{1.1}$	10-13		HEX		1191
$Li_{1.0-1.5}STi$	2				1191
$Li_{0.5-<1}S_2Ti_{1.1}$			TET	1.12	1191
LiTi				1.0	1191
$Li_{1.33-0.8}Ti_{1.67-2.2}O_4$	1.5-13.7		$H1_1$		1305
LiZn			B32	1.14	2.58
Lu(RRR=15)	0.10	<400	A3		1682 270 115 660 234
Lu(0.0005%Fe)				0.03	1682
Lu(80-145 kbar)	<0.018-∼0.6				1994
$LuOs_2$	3.49		C14		127
Lu_3Rh				0.32	469
Lu_2Rh				0.32	469
LuRh			B1	0.32	469
$LuRh_2$			C15	0.32	469
$LuRh_5$	0.49				469
$Lu_{0.275}Rh_{0.725}$	1.27		C15		469
$LuRu_2$	0.86		C14		270 127 247
LuS	1.1-0.8		B1		1219
LuSe	0.44-0.56		B1		1219
LuTe			B1	0.35	1219
Mg(99.99%)			A3	0.002	1830 1655 1340 1214
Mg(RRR ∼10^6)			A3	0.006	887# 012 1233 1213 1654 1166
Mg(Deposited 1K)				0.35	▽1467
Mg(Deposit 4.2K, 100Å)	5.5	HF			▽710
Mg_xMo_{1-x}(Co-sputtered)	6.3 Max.				▽1565
$Mg_{0.9}Mo_{5.1}S_6$	2.5-2.4		RHOMB		1163
Mg_2Pb	5.6				427
$Mg_{0.98}Pb_{0.02}$				1.26	084
$Mg_{0.93}Pb_{0.07}$				0.013	1340
$Mg_{0.1}Pb_{0.9}$(Quench condensed 0.4K)	4.87 6.61(Annealed)				▽1491
MgRh			B2	1.02	279
$Mg_{0.97}Sn_{0.03}$				0.013	1340

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Mg_{0.94}Tl_{0.06}$				1.26	084
$Mg_{0.85}Tl_{0.15}$				0.013	1340
$Mg_{\sim 0.47}Tl_{\sim 0.53}$	2.75	220	B2		013
$Mg_{24}Y_5$			A12	1.3	557
MgY			B2	0.33	658
$Mg_{0.97}Zn_{0.03}$				0.013	1340
Mg_7Zn_3	0.26-0.28				1604
MgZn	0.87-0.92				1604
Mg_2Zn_3	0.72-0.76				1604
MgZn	0.89-0.93		C14		1604 037
Mg_2Zn_{11}	0.83-0.88		CUB		1604
Mn(α)			A12	0.15	023 572#
Mn(β)			A13	0.32	303 228 572#
Mn(Sputtered in Xe)			A12	0.08	∇1526
$Mn_{0.63, 0.73}Mo_{0.37, 0.27}$			$D8_b$	1.30	557
Mn_xMo_{1-x}	(Rapid decrease)				1833
$Mn_{0-0.005}NbSe_2$	7-<1.6				626
$Mn_{0.24}Ni_{0.76}$				1.30	076 572#
$Mn_{0.67}Ni_{0.33}U_6$	2.7		$D2_c$		1866
$Mn_{0.33}Ni_{0.67}U_6$	1.6		$D2_c$		1866
MnNiZr			C15	0.35	270
Mn_2O_3				1.28	011
$Mn_xO_xPb_{1-x}$(500-700Å)	7.2-1.9				∇1053
MnP			B31	1.01	601 217
$Mn_{0-0.003}Pb_{1-0.997}$ (Deposited 7K)	7.2-2.3				∇354 ∇1601 ∇748 ∇1085 ∇1054
$Mn_{0-1400\,ppm}Pd_{1-x}Sb$	1.66-<0.1				1296
MnRe			$D8_b$	1.02	270
$Mn_{0.05}Rh_{0.04}Ti_{0.91}$	2.4				1060
$Mn_{0.2}Ru_{0.8}$					788#
MnSb			$B8_1$	1.0	037
$Mn_{0.03}SiV_{2.97}$	16.25		A15		1913
$Mn_{0.21}SiV_{2.79}$	15.5		A15		1913
$MnSn_2$			C16	0.07	1377 229
Mn_xSn_{1-x}	T_c'(≈0)				598
$Mn_{0-0.007}Sn_{1-0.993}$(300-3000Å)	Data given				∇1417 ∇1085
MnSnTe (See Table 4)					

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Mn_{0-0.07}Ti_{1-0.93}(\alpha)$	0.6-2.3				093 171 126
$Mn_{\sim 0.08-0.25}Ti_{0.92-0.75}(\beta)$	1.1-3.0				093 171 126
$Mn_{0.14}Ti_{0.86}$	2.55				759#
$Mn_{0.02}Ti_{0.98}$	1.9, 1.7				477 523 759#
$Mn_{0.01}Ti_{0.99}$	1.2				490
$Mn_{0-0.0065}Ti$				0.06	490
$Mn_{0.0028-0.04}Ti_{0.997-0.96}$	~3(quenched from 690C)			1.1 (quenched from 1000C)	523 522 572#
$Mn_{0.002}Ti_{0.499}Zr_{0.499}$				1.24	759 572#
MnU_6	2.32		$D2_c$		021 920 1866 1152
$MnXe_x$				0.08	▽1441
$Mn_{0-28\,ppm}Zn$	0.85-0.12	54.1-4.5,HF			1322 1475 1835 1777 598 1030
$Mn_{0.5\,ppm}Zn$	0.835	52.7			1778#
Mo(RRR=17,000)	0.916	96, 86	A2		1031 1572 1635# 1960 1833 228# 543# 300# 1159 788 566 464 972 1267 389 465# 572# 017 211 250 179 292
Mo(Deposited 4.2K)	4-6.7			2.5 (annealed)	▽503 ▽921
Mo(400-21,000Å)	3.3-3.8		CUB		▽1274 ▽1565
$Mo(Ne, Ar, Kr, Xe)_x$	4.85, 6.4, 6.8, 7.2		A2		▽1526 ▽1441
Mo(with SiO_2 and inert metals)	1.7-6.5-<1		A2		923
Mo(with ~2×10^{-4}%Fe)	~0.7				1681
Mo_2N	5.0		CUB		011 095 815
MoN	12.0		HEX		011 815
MoN(P preparation)	14.8-13		HEX		1841
$MoNa_{\sim 0.9}O_3$				1.3	1212
$MoNa_{0.3}S_2$	4.1		HEX		1920 1974
$MoNa_xS_2$	~1.3(broad)		HEX		1530
$Mo_{1-0}Nb_{0-1}$	0.915-0.016-9.22				253 240 207 885 1298 1081 811# 572# 441 465# 452

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Mo_{0.70}Nb_{0.30}$	0.016	2.7			432 300#
$Mo_{0.6}Nb_{0.4}$				0.05	300#
$Mo_{0.43-0.51}Nb_{0.57-0.49}$	0.181-~0.07	Data given, (1298)			369 1818# 1298
$Mo_{0.4}Nb_{0.6}$	0.60				300#
$Mo_{0.25}Nb_{0.75}$	3.47 3.36(P=27 kbar)				1696
$Mo_{0.2}Nb_{0.8}$	4.23	747, HF			1103 1513 1298 1547# 1550 1452#
$Mo_{0.15}Nb_{0.85}$	5.30	Data given, HF			1103 1513 1298 572#
$Mo_{0.1}Nb_{0.9}$	6.30	Data given, HF			1298 1103
$Mo_{0.05}Nb_{0.95}$	7.84, 8.0	HF			1157# 1298 1103
$Mo_{0.02}Nb_{0.98}$	8.58				1513
$Mo_{0.01-0.07}Nb_{0.99-0.93}$	8.7-7.1	HF	A2		1929 441
$Mo_{0-1}Nb_{1-0}$(Deposit 4.2K, amorphous)	6-9				▽1325
$Mo_{0.725}Nb_{0.061}Re_{0.187}$	5.0	HF			881
$Mo_{0.3}Nb_{0.1}Re_{0.6}$	10.1 Max.				▽1438
$Mo_{0.2}Nb_{0.2}Re_{0.6}$	7.6 Max.				▽1438
$Mo_xNb_{1-x}Se_2$	7.5 Max.				1872
$Mo_{0.03-0.39}Nb_{0.02-0.62}Ti$	0.02-9.9	HF(1391)			1862 1391
$Mo_{0.04-0.2}Nb_{0.5-0.3}Ti_{0.6-0.4}$	4.2-8.3				1553
$Mo_{0.85}Ni_{0.15}$				4.2	084
$Mo_{0.8}Ni_{0-0.02}Re_{0.2}$	~8-10				240
$Mo_{0.18}Np_{0-0.36}U_{1-0.64}$	2.0-0.48		CUB		1669
$Mo_{0.28}O_{0.72}$				1.28	069
MoO_2				1.30	84 119
$Mo_{1-x}O_{2x}Si_x$(Co-sputtered)	6.4 Max.				▽1565
$MoOs_2$	5.2				182
$Mo_{0.62}Os_{0.38}$	5.65		$D8_b$		276 557# 572#
Mo_3Os(Different anneals)	12.5, 11.7, 7.2		A15		1692 1446 707 033
MoP			B_h	1.03	035 011 601
MoP_2				1.1	1583
Mo_3P	5.31		DO_e		601 217 035 270
Mo_4P_3	2.5		ORTHO		1995

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Mo_{0.15}Pa_{0.85}$	3.08				1936
$Mo_{5.1}Pb_{0.9}S_6$	13.2, 11.7	HF			1597 1163 1664
$Mo_{5.1}Pb_{1.0}S_6$	14.4	HF			1597
Mo_5PbS_7	12.5	HF			1725
$Mo_6Pb_{0.92}S_{7.5}$	15.2		RHOMB		1309
$Mo_6Pb_{0.92}S_{7.5}$(P=0-5-21 kbar)	13.5-14-11.8				614
$Mo_{6.35}PbS_8$	12.6, 11.0	HF			1759
Mo_6PbS_7	14.0	HF			1831
$Mo_{6.3}PbS_6Se_2$	5.4	HF			1759
$Mo_{6.35}Pb_{0.9}S_8Sn_{0.12}$	~11	HF			1759
$Mo_{6.35}Pb_{0.7}S_8Sn_{0.36}$	10.0	HF			1759
$Mo_{0.5}Pd_{0.5}$	3.52		HEX		270 572# 465#
$Mo_{1-0.8}Pt_{0-0.2}$	1-2.7		A2		1721
$Mo_{0.93}Pt_{0.17}$	2.8		A2		1420
$Mo_{0.91-0.915}Pt_{0.185\ 0.10}$	4.65-4.53		A15		1420#
$Mo_{0.85}Pt_{0.15}$	4.59, 8.8		A15		707 1231
$Mo_{0.815}Pt_{0.185}$	4.62		A15		1692
$Mo_{0.8}Pt_{0.2}$	4.56		A15		707
$Mo_{0.72}Pt_{0.28}$	4.3, 5.6				845
$Mo_{0.72-0.58}Pt_{0.28-0.42}$	7.8-0.7		DO_{19}		1721 1420
$Mo_{0.69}Pt_{0.31}$			A3	1.2	1721
$MoPt_2$			ORTHO	1.0	845
$Mo_{0.65-0.49}Pt_{0.35-0.51}$			HEX (ordered and disordered)	1.0	845
$Mo_{0.55-0.47}Pt_{0.45-0.53}$			ORTHO	1.0	845
$Mo_{0.45-0}Pt_{0.55-1}$			CUB's	1.0	845
$Mo_{0.8, 0.75}Pt_{0.2, 0.25}$	8.3, 8.0 Max.				▽1438
$Mo_{1-x}Pt_x$(Co-sputtered)	7.0 Max.				▽1565
$Mo_{0.35-0.8}Pt_{0.05-0.15}Re_{0.05-0.45}$	5.0-11.25-5.32				1692
$Mo_{0.5}Pt_{0.05}Re_{0.45}$	5.32		$D8_b$		1692
$Mo_{0.55}Pt_{0.05}Re_{0.425}$	11.25				1692
$Mo_{0.18}Pu_{0-0.2}U_{1-0.8}$	2-<0.39		CUB		1669
$MoRb_{0.3}S_2$	6.25		HEX		1920
$Mo_{0.95-0.62}Re_{0.05-0.38}$	1.2-12.2	HF(453)	CUB		266 253 1696 465# 453

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_c(oersted)	Crystal Structure	T_n(K)	Refs.
$Mo_{0.9}Re_{0.1}$	2.92 2.97(P=27.9 kbar)				1696
$Mo_{0.865}Re_{0.135}$	6.1	HF			881
$Mo_{0.815}Re_{0.185}$	8.27	HF			881
$Mo_{0.66}Re_{0.34}$	11.8	HF			1331# 429 406 310 455
$Mo_{0.6}Re_{0.4}$	10.6	HF			555
$Mo_{0.57}Re_{0.43}$	14.0				592
$Mo_{0.52}Re_{0.48}$	11.1				555 1151
$Mo_{0.5}Re_{0.5}$	11.6, 7.3, 6.4				276 266 253 182 202
$Mo_{0.5}Rc_{0.5}$	6.5		$D8_b$		1692 182
Mo_3Re	10.0, 9.8	HF(383)			327 136 383
$Mo_{0.42}Re_{0.58}$	6.35, 6.5, 8.4				557# 572# 295# 276
$Mo_{0.45-0.33}Re_{0.55-0.67}$	5.7-8.6		$D8_b$		266 253 1625# 276
$MoRe_3$	9.26, 9.89		A12		182 270 1478
$Mo_{0.28}Re_{0.72}$	6.5				266 253 572#
$Mo_{0.23}Re_{0.77}$	9.25		A12		557# 266 253
$Mo_{0-0.12}Re_{1-0.88}$	1.6-7.9		HEX		266 253
$Mo_{0-0.01}Re_{1-0.99}$	1.69-1.70				1257 1646
$Mo_{1-0}Re_{0-1}$(~50,000Å)	<1-~15				▽1950
$Mo_{0.38}Re_{0.62}$(5000-190,000Å)	~9-15				▽1320
$Mo_{\sim0.7}Re_{\sim0.3}$	~15		A15		▽1384
$Mo_{1-0}Re_{0-1}$(Deposit 4.2K, amorphous)	9-9.5-7.5				▽1325
$Mo_{0.8}Re_{0.2}Rh_x$	~10->10				240
$Mo_{0.8}Re_{0.2}Ru_x$	~10->10				240
$Mo_{0.97-0.85}Rh_{0.03-0.25}$	1.5-8.2		CUB		128
MoRh	1.97		HEX		033 352
$MoRh_x$	~1.7-0.03		HEX		1570
$Mo_{0.75}Rh_{0.25}$	6.6 Max.				▽1438
$Mo_{0.05}Rh_{0.04}Ti_{0.91}$	3.3				1060
$Mo_{0.61}Ru_{0.39}$	7.18		$D8_b$		557# 572# 465#
$Mo_{0.6}Ru_{0.4}$(Plasma jet sprayed)	8.7		HEX		1033
$Mo_{0.6}Ru_{0.4}$	7.0		$D8_b$		276 572#
MoRu	9.5-10.5		HEX		033 352

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Mo_{0.39}Ru_{0.61}$	6.9		$D8_b$		182
$Mo_{0.25-0.025}Ru_{0.75-0.975}$	2.6-0.59		HEX		224 033 465#
$Mo_{1-0}Ru_{0-1}$(Deposit 4.2K)	9-9.5-<1.7				∇1325
$Mo_{0.69-0.56}Ru_{0.31-0.44}$	8.4, 8.0 Max.				∇1438
MoS_2			HEX's	1.25	918 011 084 572#
Mo_2S_3			TRI	0.3	1584
MoS_2 (See Table 3)					
Mo_3SSe_3	3.4		RHOMB		1309
$Mo_3S_2Se_2$	3.3		RHOMB		1309
Mo_6S_7Sn	13.0				1831
Mo_5S_6Sn	10.9-13.4	HF	RHOMB		1163 1193# 1597 1664 1725
$Mo_3S_4Sn_{0.6}$	14.2, 12.9				614
$Mo_3S_4Sn_{0.6}$(P=0-22 kbar)	14.2-10.2				614
$MoS_2Sr_{0.2}$	5.6	HF			1728 1532
$MoS_2Sr_{0.06-0.1}$	5.6	HF	TET		1928
Mo_2S_4V				Data given	1824
Mo_5S_6Zn	3.0-2.7		RHOMB		1163
Mo_5S_6Zn(P=0-7-21 kbar)	3-3.2-2.7				614
Mo_3Sb_7	2.31				1583
Mo_3Sb_4	2.10				117
$MoSe_2$			HEX	1.25	1918 084
Mo_3Se_4	6.3		RHOMB		1309
Mo_3Se_4	5.8		MONO		1584
$MoSe_2$ (See Table 3)					
Mo_3Si	1.30, 1.402		A15		010 474 1446 1692 323
$Mo_{0.77}Si_{0.23}$	1.70		A15		1692
Mo_3Si_2				1.20	010
$Mo_{0.59}Si_{0.41}$	1.34				042
$MoSi_2$				1.20	010 042 119
$Mo_{0.15-0.009}Si_{0.25-0.248}V_{0.6-0.745}$	4.54-16-14.0		A15		323
$Mo_{0.25-0.65}Si_{0.25}V_{0.5-1}$			A15	1.9	323
$Mo_{0.03-0.6}SiV_{2.97-2.4}$	16.0-4.54				1913
$Mo_{0.99}SiV_{2.01}$				1.9	1913

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Mo_3Sn			A15	0.35	509
Mo_3Sn			CUB	1.0	509
$Mo_{0.6-0}Tc_{0.4-1}$	12.5-14.5-12-16-9.3				615 202 408
$Mo_{0.5}Tc_{0.5}$	14.0	HF			202 465# 572#
$Mo_{0.45}Tc_{0.55}$	14.0				202 408
$Mo_{0.4}Tc_{0.6}$	13.5, 14.7	A15			1656 202
$Mo_{0.3}Tc_{0.7}$	12.0		$D8_b$		202 408
$Mo_{0.25}Tc_{0.75}$	15.8				202 408
$Mo_{0.1}Tc_{0.9}$	13.4				202 408
$Mo_{0.05}Tc_{0.95}$	10.8				202 408
Mo_3Te_4				0.31	1584
$MoTe_2$	≈0.3				1584
$Mo_{1-0}Ti_{0-1}$	<1.5-3.85-<1.5				1712# 522 399 252 268 301 289 126 218
$Mo_{0.71-0.05}Ti_{0.29-0.95}$	<1.5-3.85-<1.5				1712#
$Mo_{0.91}Ti_{0.09}$	2.95	HF			600 466
$Mo_{0.6-0.06}Ti_{0.4-0.94}$	3.7-1.3		CUB		275 572#
$Mo_{0.25-0}Ti_{0.75-1}$	3.6-3.9-2.1				929 126 218
$Mo_{0.16}Ti_{0.84}$	4.246, 4.1	HF			805# 740# 616 565# 1803 985
$Mo_{0.1}Ti_{0.9}$	3.25		A3		274 1188#
$Mo_{0.0625-0.086}Ti_{0.94-0.92}$	2.04-3.09		CUB		335# 178# 1412#
$Mo_{0-0.05}Ti_{1-0.95}$	1.8-3.3				931# 275 1412# 1613# 274 477
$Mo_{0.003-0.3}U_{0.997-0.7}$	1.2-0.38-2.11-1.84				134 027 157 177 349 252 152 179 879 466 572#
$Mo_{0.3}U_{0.7}$	1.84, 1.97	HF	A2		177 349
$Mo_{0.22}U_{0.78}$	2.06	HF	A2		349 177
$Mo_{0.18}U_{0.82}$	2.07, 2.113		A2		177 1252
$Mo_{0.14}U_{0.86}$	2.02				177 1152
$Mo_{0.12}U_{0.88}$	1.85	HF	A2		349
$Mo_{0.003-0.07}U_{0.997-0.93}$	0.827-0.38-1.2				879#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Mo_{0.006}U_{0.944}$	1.20 1.46(P=11 kbar)				879#
$Mo_{0-0.05}V_{1-0.95}$	5.3-1.9		Data given (441)		130 441
$Mo_{0.5}V_{0.5}$	0.11				788#
$Mo_{0.3}V_{0.7}$	0.76				788#
$Mo_{0.15}V_{0.85}$	2.28				788#
$Mo_{0-0.5}V_{2-1.5}Zr$	8.5-9.1-8.4				1323
$Mo_{0.75}W_{0.75}$				4.2	084
$Mo_{0.5-0.83}Y_{0.5-0.17}$ (Co-sputtered)	<1.2-6.3 Max.				$^{\nabla}$1565
Mo_3Zr				1.2	010
Mo_2Zr	0.125(1 hour at 1700C)		C15	0.025 (2 hours at 1840C)	1986 1586 956
Mo_2Zr(Arc quenched)	4.6, 4.75-4.27				956 640
$Mo_{0.03-0.41}Zr_{0.97-0.59}$	2.2-5.3-4.5	HF	CUB		956 289 399
$Mo_{0.033-0.13}Zr_{0.97-0.87}$	2.12-5.00-4.91		CUB		1855#
$Mo_{1-x}Zr_x$	5.4 Max. (at x= 0.27, 0.4)				$^{\nabla}$1565
$NHf_{0-1}Nb_{1-0}$					1238
NNb	16.0, 15.6	HF	B1		1473# 037 343 1038 1044 1079 1107 1234 1196 815 1542# 873 243 079 306 343 097 040 243 011 048 451 483 553 559 558
NNb	5.1		B_1	1.94	096 110
$N_{0.92}Nb$	16.3, 16.5, 15.6	HF	B1		1070 1510# 880# 110 096 572# 559 558
$N_{0.84}Nb$	13.5-12.95		B1		1510# 063
$N_{0.8}Nb$	8.9, 7.12		TET. plus		096 110 010 559 558
$N_{0.48}Nb$	5.5		HEX		096
NNb_2	8.6		HEX		1527 815 110 010
$N_{0-0.186}Nb_{1-0.814}$	9.30-8.58	HF	CUB's		1208 771 248 190

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$N_{0.003}Nb_{0.997}$	9.120				248 190
$N_{0.85-1.04}Nb$	14.3-16.5-15.7				1070 1940 588
NNb(Whiskers)	10-14.5	HF			582#
$N_{0.8-1.1}Nb(>500Å)$	12.3-16.2-8.7	HF			▽1786 ▽1439 ▽1433 ▽1443 ▽1527 ▽1275
NNb (1780Å)	15.23	HF			▽1406 ▽1473#
$N_xNb(1000-8000Å)$	1.5-15	HF	B1		▽1445 ▽1174 ▽941 ▽505 ▽1524 ▽1501
NNb(25-10,000Å)	6.5-15.2-17				▽1461 ▽1567 ▽1828 ▽1694
NNb(RF reactive sputtering)	17.3, 15.25				▽1175 ▽819 ▽1396
N_6Nb_5			HEX	1.77	▽1439
N_5Nb_4	8.0-8.5		TET		▽1439
$N_{0.9-1.34}NbO_{0.02-0.27}$	14.7-9.6		CUB		▽622
$N_{0.998}NbO_{0.002}$	17.2-17.3				1234
N_xNbO_y	6.0-11				110
NNb_xO_y	13.5-17.0	HF			483
$N_{0.91}Nb_{1-0.75}Ta_{0-0.25}$	16.5-11.3		CUB		1070 1737
$N_{0.91-0.92}Nb_{0.99-0.82}Ta_{0.01-0.18}$	15.62-10.9	HF	B1		880
$NNb_{1-0}Ti_{0-1}$	14.7-18-5.5	HF			1511 1203 588 1238
$N_{0.85-0.95}Nb_{1-0.12}Ti_{0-0.88}$	16.2-17.8-10.5		CUB		1070
$N_{0.90}Nb_{0.114}Ti_{0.886}$	10.1	HF	B1		880#
$N_{0.88}Nb_{0.256}Ti_{0.744}$	14.72	HF	B1		880#
$N_{0.85}Nb_{0.66}Ti_{0.34}$	17.61	HF			880# 1044
$N_xNb_yTi_{1-x-y}$(Deposited hot substrate)	15.5-∼17-5	HF			▽1344 ▽1405 ▽839
$N_xNb_{0.88}Ti_{0.12}$(Deposited hot substrate, 1000-8000Å)	7-12				▽1445 ▽1543
$NNb_{0.7}Ti_{0.3-x}Zr_x$	17-12.5				1238
$NNb_{0.9}V_{0.1}$	6.6-4.6				1511
$N_{0.92-0.7}Nb_{1-0.34}Zr_{0-0.66}$	16.4-10.5	HF	CUB		1070 652 588 553 517 880#
$NNb_{1-0}Zr_{0-1}$	14.7-9.6				1511 1238
$N_xNb_yZr_{1-x-y}$(on hot substrate)	∼15-9	HF			▽1344 ▽839
$N_{0.47-0.49}O_{0.03-0.01}Ti$	2.9-5.58		CUB		010

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$N_xO_yV_{1-x-y}$	5.8-8.2		CUB		010
N_{0-2}Pd(Ion implant)				0.2	164
$N_{0.98}$Pr			B1	1.38	559 558
$N_{0.34}$Re(Particles, 20-26Å)	4-5				146
NS	0.26				1986 1975#
$N_{0.97}$Sc			B1	1.38	069 559 558
N Se				1.30	119
N Ta				1.20	010 691
NTa_2			HEX	1.2	010 906
$N_{0-0.018}Ta_{1-0.982}$	4.483-3.63				169
N Ta(P=30-100 kbar, 1800°C)	6.5		B1		906
N Ta			B_h	4.2	906
N_6Tb				1.28	1815
N Th	3.3		B1		1971
N_4Th_3				1.20	010
N Ta(1200Å)	4.84		B1		∇505
NTa_2(1200Å)				1.2	∇505
N Ti	5.49		B1		1542# 010 011 559 694 1238
$N_{0.99-0.6}$Ti	4.35-<1.17		B1		694
$N_{0.84}$Ti	1.2				694
$N_{0.8-0.6}$Ti				1.17	694
NU			B1	1.20	010
NV	8.5		B1		1542# 010 011 694 1592 1593# 1238
$N_{0.99-0.785}$V	8-2		B1		694 1592 559 558
$N_{0.75}$V	2.3		B1		1592
N_2V_5			HEX	1.20	010
$N_{0.97}$W			B1	1.38	559 558
NW_2			CUB	1.28	011
NY			B1	1.4	694
N Zr	10.7	HF	B1		278 1961 1542# 1968 652 011 010 1238
$N_{0.984-0.932}$Zr	9.5-3.0		B1		559 558
$N_{0.906}$Zr			B1	1.38	559 558

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Na			A2	0.09	023
$Na_{\sim 0.9}O_3Re$			TET	1.3	1212
$Na_{0.28-0.35}O_3W$	0.56		TET		625 1080
$Na_{0.2}O_3W$	0.55		TET		500 1080
$Na_{0.2-0.4}O_3W$	3.05-0.7		TET(I)		1672
$Na_{0.10}O_3W$			TET(II)	0.040	500
Na_xO_3W	5.4-<1.3		HEX		1379
Na_xO_3W			$E2_1$	0.011	500 575
$NaPb_3$	5.62		$L1_2$		715
$Na_{0.08-0.02}Pb_{0.92-0.98}$		HF			1312 322 113
$Na_{0.1}Pb_{0.9}$(Quench condensed)	5.93 7.04(Annealed)				▽1491
Na_3Sb			HEX	1.45	427
NaTe				1.3	427
$Na_{0.1}Tl_{0.9}$(Deposit 0.3K)	3.13 2.69(Annealed)				▽1900
Nb(RRR 500-16,500)	9.26 9.27, 9.23	2061, HF	A2		1870# 1892 1021 1359 1577 1157# 743 722 1574 1639 133 913 1979 1771 620# 1775 572# 525# 465#
Nb	9.20-9.23	HF			1300 1298 1209 1237 954 994 1099# 544 721# 864# 938# 720# 727#
Nb	8.6-9.6	HF			001# 1087# 1002# 1017 771 1208 1513 1805 1638 1550 531 505 300 293 276 244 170 096 344 1197 1248 417 190 191 1326 110 024# 722 1147 995 1805

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Nb		HF			1560 538 1549 679# 400 334 1839 1316 883 751 895 832 827 1142 1135 1929
Nb(Deformed)	9.07-8.8				1347
Nb(with Cr, Hf, Mo, Ta, Ti, V, W or Zr)$_y$	Data given	Data given			441
Nb(95-10, 250Å)	6.3- .6	HF			▽1328 ▽913 ▽1293 ▽1251 ▽1199 ▽1436 ▽921 ▽719 ▽505 ▽518 ▽529 ▽503
Nb(1500-2000Å)	8.2-10.1				▽1206 ▽505 ▽1411
Nb(4000-12,000)	8.20-9.81, 10.0				▽1199 ▽819 ▽719 ▽505 ▽529
Nb(Substrate 200, 400C, 5000-20.000Å)	7.95-9.46				▽529
Nb(Deposited 700C)	9.3				▽1345
Nb(Ne, Ar, Kr, Xe)$_x$	<1.1, 1.98, 2.92, 4.45				▽1526 ▽1441
$Nb_{0.22}Np_{0-0.3}U_{1-0.7}$	2-0.55		CUB		1669
NbO	1.2, 1.38, 1.50		B1		1993 1843 1450 481 010 084
NbO_2				Not given	1450
$Nb_{1-0.965}O_{0-0.035}$	9.23-6.13	HF	A2		1776# 1208 1788 771 190
$Nb_{1-0.987}O_{0-0.013}$		HF			1523 944 771 772 441 190
$Nb_{0.45}O_{0.0024}Ti_{0.54}$		HF			1796
Nb_3Os	0.94, 1.05	HF	A15		707 922# 1023 492 128 117 124 270
NbO_2	2.52		A12		173
$Nb_{0.5}Os_{0.5}$	2.86		A12		276
$Nb_{0.6}Os_{0.4}$	1.78, 1.85		$D8_b$		173 557# 572# 276 182
$NbOs_{0.42}Pt_{2.58}$			DO_{19}	1.6	1299

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
$Nb_3Os_{0.02-0.1}Rh_{0.98-0.9}$	2.42-2.30		A15		492
$Nb_3Os_{0.3-0.9}Rh_{0.7-0.1}$			A15	1.7	492
NbP_2			MONO	0.3	1508 1583
Nb_3P, (NbP)	2.0		TET	(1.1)	1995 (1583)
NbPS(Prepared 65 kbar, Temp. 1100-1300C)	7.5-12.5		ORTHO		892
NbPSe				1.25	892
Nb_3Pb			A15(Weak diffraction lines)	9	1825
$Nb_?Pb_?$(Shock wave product)	~8				1591
$NbPbS_3$	2.62, 2.66		TET		778# 795#
$Nb_{0.67}PbS_3Ta_{0.33}$	2.01		TET		795#
$Nb_{1-x}PbS_3Ta_x$	2.7-2.0-3.3				795
$Nb_3Pb_{0-0.3}Sn_{1-0.7}$	18.0-18.16-18.1				299 1982
$Nb_3Pb_{0.15}Sn_{0.85}$	18.16				1982
$Nb_{0.9}Pd_{0.1}$	3.5				592
$Nb_{0.6}Pd_{0.4}$	2.47-2.04, 1.7		A12		276 295# 572#
$Nb_{0.6}Pd_{0.4}$	1.60		$D8_b$, CUB		557
$Nb_?Pd_?$	2.0		$D8_b$		182
$Nb_3Pd_{0.02-0.1}Rh_{0.98-0.9}$	2.50-2.55		A15		492
Nb_3Pt	10.5, 10.9-8.11		A15		1446 922# 707 492 033 128 117 124
NbPt			B19	1.39	1299
$NbPt_2$			ORTHO	1.46	1299
$Nb_{0.9}Pt_{0.1}$	2.5				592
$N_{0.62}Pt_{0.38}$	4.21, 3.73		$D8_b$		557# 572# 295# 276 173 182
Nb_3Pt(rf sputtered, 10,000Å)	11.0		A15		▽1410
$Nb_3Pt_{0.02-0.98}Rh_{0.98-0.02}$	2.52-9.6		A15		492
$NbPt_{1.8}Ru_{1.2}$			HEX	1.6	1299
$NbPt_{2.58}Ru_{0.42}$			DO_{19}	1.6	1299
$Nb_{0.45}Pt_3Zr_{2.55}$			HEX	1.6	1299
$Nb_{0.65}Pt_3Zr_{0.35}$			DO_{19}	1.6	1299
$NbPu_{0-0.2}U_{1-x}$	2-<0.39		CUB		1669
$Nb_{0.9}Re_{0.1}$	4.5				592
$Nb_{0.5}Re_{0.5}$	2.0-3.8		$D8_b$		276

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Nb_{0.4}Re_{0.6}$	2.5, 2.0		$D8_b$		2.76 182
$Nb_{0.4}Re_{0.6}$	2.36		A12		276
$Nb_{0.38}Re_{0.62}$	2.45		A12		557# 572# 418 295
$Nb_{0.29}Re_{0.71}$	5.60		A12		557# 572# 295
$Nb_{0.26-0.14}Re_{0.74-0.86}$	7.2-9.7-8.5		A12		418 295 557# 572# 182 173
$Nb_{0.05}Re_{0.75}Ta_{0.2}$	9.8		A12		1990
$Nb_{0.11}Re_{0.78}Ta_{0.11}$	8.8		A12		1990
$Nb_{0.9}Rh_{0.1}$	2.8				592
$Nb_{0.85}Rh_{0.15}$	3.00		B19		1299
Nb_3Rh	2.79, 2.64, 2.50		A15		1446 492 128 117
$Nb_{0.6}Rh_{0.4}$	4.21		$D8_b$		557# 572# 276 182
$Nb_{0.48}Rh_{0.52}$	3.76		$L1_0$		1299
$Nb_{0.45}Rh_{0.55}$	3.07		ORTHO		1200
$Nb_{0.375}Rh_{0.625}$	2.7		MONO(HEX)		1299
$NbRh_3$			$L1_2$	1.2	1299 412
$Nb_{0.45}Re_{0.55}$	6.2 Max.				∇1438
$Nb_3Rh_{0.98-0.9}Ru_{0.02-0.1}$	2.42-2.44		A15		492
$Nb_{0.05}Rh_{0.04}Ti_{0.91}$	2.4				1060
$Nb_{0.925}Ru_{0.075}$	4.2				293#
$Nb_{0.9}Ru_{0.1}$	2.8		A2		417 293# 572#
$Nb_{0.8}Ru_{0.2}$	4.8(427)		A2	1.0	417 293 427
$Nb_{0.7}Ru_{0.3}$				1.0	417 293#
$Nb_{0.6}Ru_{0.4}$	1.2		TET		417 293# 572#
$Nb_{0.4}Ru_{0.6}$	2.5				276
$NbRu_3$(P=100 kbar, Temp. 1200-1300C)	15-16		$L1_2$ plus		667
$NbRu_3$	11-12		HEX		667
NbS				1.28	010
NbS_2	6.0, 6.2	HF	HEX(2H)		1853 1266 1192 1027 778 675
NbS_2	5.0-5.5		HEX(3H)		675 796# 1951# 572# 810#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
NbS_2(P=0, 7, 13 kbar)	6.23, 6.20, 6.26	HF			1853
NbS_2 (See Table 3)					
NbS_3Sn	2.85-2.63		TET		1150#
$Nb_{0.9-0.7}Sb_{0.1-0.3}$	5.8-<0.5		A15		1002
$Nb_{0.83}Sb_{0.17}$	1.95, 2.0		A15		1002#
Nb_3Sb			A15	0.4	801 128 142 370 117
Nb_3Sb(Sputter or evaporate)	2.2-1.8		A15		1825
Nb_5Sb_4	8.60		Data given		1582
$NbSb_2$			MONO	0.3	1584 1508 711
$Nb_3Sb_{0-0.3}Sn_{1-0.7}$	18.05-14.7		A15		315 299 947 1982
$Nb_3Sb_{0-0.7}Sn_{1-0.3}$	18.0-6.8		A15		311 419
$Nb_3Sb_{0-0.3}Sn_{1-0.7}$	18.2-15.8		A15		1236
$Nb_3Sb_{0.3-0.8}Sn_{0.7-0.2}$	15.8-<4.2		A15's		1236
$Nb_3Sb_{0.8-1}Sn_{0.2-0}$			A15	4.2	1236 311
$Nb_3Sb_{0.15}Sn_{0.7}Tl_{0.15}$	16.04				1982
$Nb_{\sim 0.8-0}Sb_{0.2-0.25}Ti_{0-0.75}$	5.3-2-3-1.95 (quenched) 6.5-1.8-3.1-2 (annealed)		A15		1002#
$Nb_{0.50}Sb_{0.25}Ti_{0.25}$	3.05				1002#
$Nb_{0.25}Sb_{0.25}Ti_{0.5}$	1.95, 2.05		A15		1002#
NbSc		HF			399 289
Nb_3Se_4	1.61		Data given		1582
Nb_2Se_3	2.1		Data given		1584
$NbSe_2$	7.3	HF	HEX(2H)		1500 1869 1891 1514 1094
$Nb_{0.96-1.06}Se_{2-2.2}$	7.0, 5.9-6.3		HEX(4H)		1758 647
$NbSe_2$	5.15-6.95		HEX(2H)		1695 1094 636 1885 992
$NbSe_2$	7.0-7.38	HF			1505# 1557 1827 1826# 1809 1423 647 1536# 1262 1723 996 1717 1503
$NbSe_2$	2.2-7				1809 1317 996 796# 636 647 654

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$NbSe_2$(P=0-6.5-0 kbar)	7.16-7.77-7.35		HEX(2H)		1891
$NbSe_2$(P=0-60 kbar)	6.4-8.8		HEX(2H)		1283 1758 1321 1266 1853 1869
$NbSe_2$(P=60-100 kbar)	8.9-8.4, 7.35		New modification?		1283 1423
$NbSe_2$ (12-30Å)	4.7-7				▽1535
$NbSe_3Sn$	3.09-2.96		TET		1150#
$NbSe_{2-1.64}Te_{0-0.36}$	7-7.18-3.0				992
$NbSe_{1.38-0}Te_{0.62-2}$	0.74-2.7				992
$Nb_{0.67}Si_{0.33}$				1.20	010
Nb_3Si	1.5		$L1_2$		409 311 1958
Nb_5Si_3			TET	1.02	270
$Nb_{0.63}Si_{0.37}$				1.20	042
Nb_3Si_2				1.20	010
$NbSi_2$				1.20	010
$Nb_{0.79,0.75}Si_{0.21,0.25}$	0.3, 0.0 Max.		A15		▽1438 ▽1953
$Nb_3Si_{0.6}Sn_{0.4}$	6.5		A15		255
$Nb_3Si_{0.5}Sn_{0.5}$	8.3, 7.0		A15		419 255
$Nb_3Si_{0.27}Sn_{0.73}$	13.9		A15		419
$Nb_3Si_{0.25}Sn_{0.75}$	16.4		A15		419
$Nb_3Si_{0.06}Sn_{0.94}$	17.8		A15		419
Nb_3SiSnV_3	4.0		A15		255
$Nb_{0.03}SiV_{2.97}$	15.8		A15		1913
$Nb_{0.39}SiV_{2.61}$				14	1913
$Nb_{2.5}Si_3Zr_{2.5}$			$D8_8$	1.1	262
Nb_3Sn	18.07, 18.02	HF	A15		149 196 147 1079 1164
Nb_3Sn	18.0-18.3	HF, 5350 (Ref. 1253)	A15		185 181 311 473 787 877 880 1064 1075 1164 1236 1239 1253# 1522 1850
Nb_3Sn	16.7-18	HF, ≈5300 (Ref. 1973)	A15		1742 1346# 1446 1040# 1093 1051 1063 593 572# 434 465# 467 447 419 383 386 316 1982

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Nb_3Sn(Cont'd)					1973 1982 1834 498 033 034 124 128 242 298 406 365 298 189
Nb_3Sn		HF			310 326 365 321 434 485 564 1034 1743 174
$Nb_{1-0.975}Sn_{0-0.025}$	9.2-7		B2		1522
$Nb_{0.94-0.28}Sn_{0.06-0.72}$	6-18.1-<4.2				1699 1056 1059 139 242
$Nb_{0.75-0.81}Sn_{0.25-0.10}$	17.9-18.2-17.82 (18.2 at $Nb_{0.77-8}$)				1742
$Nb_{0.83-0.5}Sn_{0.17-0.5}$	17.95 Max.				479
$Nb_{3+x}Sn_{1-x}$(order study)	5.9-18.4		A15		1798
$Nb_{0.92}Sn_{0.08}$	5.6		CUB		270
$Nb_{0.9-0.6}Sn_{0.1-0.4}$	17.9 Max.				1066
$Nb_{0.84}S_{0.16}$	5.6, 4.8		A15		311 593
$Nb_{0.8}Sn_{0.2}$	7.5(long anneal) 5.5 (short anneal)				593
$Nb_{0.8}Sn_{0.2}$(Various anneals)	5.5-18.5				311 139 242 1064 1982 593
$Nb_{0.71}Sn_{0.29}$(Weight fractions, vapor deposit)	18.3, 15.5				1849 1847
$Nb_{\sim 0.8}Sn_{\sim 0.2}$(Shock wave preparation)	17.3				1591
$Nb_{0.76}Sn_{0.74}$(Different anneals)	18.1, 17.5				311
$Nb_{0.72}Sn_{0.28}$(Different anneals)	18.2, 16.0				311
Nb_3Sn_2	17.2, 16.6		TET		355 1695
Nb_6Sn_5	2.07, <2.8		ORTHO	0.3	964 1210 1522
$Nb_{0.5}Sn_{0.5}$	17.91, 17.63				139 242
$Nb_{\sim 0.5}Sn_{\sim 0.5}$(Shock wave preparation)	17.5				1591
Nb_2Sn_3			TET	~5	355
$NbSn_2$	2.6, 2.68	620	ORTHO		1522 964 461 407
Nb_3Sn(Strain and torsion study)	18-16.1				359
Nb_3Sn(0-18 kbar)	17.77-17.5		A15		1603 970 816 1079 1446 977

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Nb_3Sn(0\text{-}5x10^{19}\ {}_0n^1/cm^2)$	18-2.6	HF			1660
$Nb_3Sn(Al_2O_3$ Powder)	17.7-18.1	HF			831
$Nb_3Sn(Fe_2Mn_{0.5}Zn_{0.5}O_4)$	14.7-17.0	HF			831
Nb_3Sn(rf sputtered, 3000Å)	17.4		A15		▽1410 ▽1825
Nb_3Sn(Deposited 800-950C, ~10,000Å)	18.3-5				▽1807 ▽1744 ▽1848 ▽298
$Nb_{0.96\text{-}0.33}Sn_{0.044\text{-}0.67}$ (300-10,000Å)	7.2-17.8-10.2				▽1751
$Nb_{0.75\text{-}0.82}Sn_{0.25\text{-}0.18}$ (Vapor deposit)	18.31-8.2	HF			▽1167
Nb_3Sn(Bi, Mo, Si, Ta, Ti, V)	15.2-16.8	HF			▽1437
Nb_3Sn (See Table 3)					
$Nb_{0.69}Sn_{0.25}Ta_{0.06}$	17.8		A15		473 185
$Nb_{0.625}Sn_{0.25}Ta_{0.125}$	17.6		A15		473 185
$Nb_{0.5}Sn_{0.25}Ta_{0.25}$	16.4		A15		473 185
$Nb_{0.25}Sn_{0.25}Ta_{0.5}$	10.8		A15		473 185
$Nb_{(1-x)3}SnTa_{3x}$	17.9-18.1-14.3				1066 242 139
$Nb_{0.5}Sn_{0.25}Ta_{0.125}V_{0.125}$	12.2		A15		185 473
$Nb_{0.25}Sn_{0.25}Ta_{0.25}V_{0.25}$	6.2		A15		185 473
$Nb_{(1-x)3}SnTi_{3x}$	17.9 Max.				1066
$Nb_3Sn_{1-0.7}Tl_{0-0.3}$	18-18.17-18.05				1982 299
$Nb_3Sn_{0.85}Tl_{0.15}$	18.2 Max.				1982
$Nb_{0.625}Sn_{0.25}V_{0.125}$	14.2		A15		473 185
$Nb_{0.5}Sn_{0.25}V_{0.25}$	9.8		A15		473 185
$Nb_{0.375}Sn_{0.25}V_{0.375}$	7.4		A15		255
$Nb_{0.25}Sn_{0.25}V_{0.5}$	5.5		A15		185 473
$Nb_{(1-x)3}SnV_{3x}$	17.9 Max.				1066
$Nb_3Sn_xZn_{1-x}$	~6.9-17.8				420
$Nb_{0.75}Sn_{0.125}Zr_{0.125}$	16.7		A15		427
$Nb_{0.71\text{-}0.68}Sn_{0.25}Zr_{0.04\text{-}0.075}$	17.98, 18.07	HF	A15		880
$Nb_{(1-x)3}SnZr_{3x}$	17.9 Max.				1066
Nb_3SnZr_x(10,000Å)	15.5-17.9				▽1838
$Nb_{1-0}Ta_{0-1}$	9.18-4.33	1880-7 0			1307# 940# 253 1020 911 441 834
$Nb_{1-0.79}Ta_{0-0.21}$	9.15-7.5				1991 1662 833
$Nb_{1-0.6}Ta_{0-0.4}$	9.23-6.56	HF			928#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Nb_{0.9913}Ta_{0.0087}$	8.87	2050, HF			864#
$Nb_{0.9844}Ta_{0.0156}$	8.76	2030, HF			864#
$Nb_{0.9575}Ta_{0.0425}$	8.55	1980, HF	B2		964# 1550 928 1611 911
$Nb_{0.9378}Ta_{0.0622}$	8.42	1890			864#
$Nb_{0.87}Ta_{0.13}$	8.15	1690, HF	B2		911
$Nb_{0.803}Ta_{0.197}$	7.50, 7.85	1750			864# 911 1837
$Nb_{0.64}Ta_{0.36}$	6.8	HF			244 410
$Nb_{0.58-0}Ta_{0.42-1}$	6.54-4.425	1295-815			1781# 455 428 410 911
$Nb_{0.5}Ta_{0.5}$	6.25	1220, HF			722 544 439 455 428 627
$Nb_{0.47}Ta_{0.53}$	6.2				244 410
$Nb_{0.4-0}Ta_{0.6-1.0}$	5.40-4.48	HF	B2		1513 911 1837
$Nb_{0.37}Ta_{0.63}$	5.31	HF	B2		911
$Nb_{0.29}Ta_{0.71}$	4.94		B2		911 244 1576 410
$Nb_{0.2}Ta_{0.8}$	4.64	HF			1103 441
$Nb_{0.17}Ta_{0.83}$	4.65, 4.82	HF			911 1837
$Nb_{0.16-0}Ta_{0.84-1}$	4.67-4.465-4.480	882-795, HF	B2		1356 244 478 911 410 1103 1330 981 1837
$Nb_{0.025}Ta_{0.975}$	4.465	800, HF			1356
$Nb_{1-0.99}Ta_{0-0.01}$	9.273-9.079	HF			1775
$Nb_xTa_yTi_z$	<5-10.1	HF			1398 1391
$Nb_{0.31}Ta_{0.06}Ti_{0.62}$	~9	HF			1398 1391
$Nb_{0-0.36}Ta_{0.36-0}Ti_{0.64}$	7.5-9.0	HF			1398
$Nb_{0.05-0.65}Ta_{0.04-\sim0.35}Ti_xZr_{0.04-\sim0.1}$	7.7-9.8	HF			1465 1391
$Nb_{0.65-0.73}Na_{0.1-0.02}Zr_{0.25}$	>4.2	HF			225
$Nb_{0.97}Tc_{0.03}$	7.6		A2		1147
$Nb_{0.93}Tc_{0.07}$	7.0		A2		1147
$Nb_{0.69}Tc_{0.31}$			A2	2.0	1147
$Nb_{0.42}Tc_{0.58}$	10.9		A12, A2		1147
$Nb_{0.24}Tc_{0.76}$	12.9, 10.5		A12		1147 202
$Nb_{0.06}Tc_{0.94}$	12.8		A3		1147
$Nb_{0.03}Tc_{0.97}$	12.8		A3		1147

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Nb_3Te(P>59 kbar, temp. 1330-1430C)			A15	2.5	1585
Nb_5Te_4				1.1	1583
Nb_3Te_4	1.49				711 1582
$NbTe_2$	0.6-0.66 0.5-0.74(Vapor transport)		HEX		796# 797 992 675
$NbTe_4$				0.025	1584
$Nb_{1.0-0.25}Ti_{0-0.75}$	9.22-10.02-7.6 9.2-9.7 7.2		CUB		901 253 885 441 1700# 1873 399 289 290 218 439 466 441 522 390
$Nb_{0.95}Ti_{0.05}$	9.41, 9.2	HF			1241 1611 1371# 1216
$Nb_{0.9}Ti_{0.1}$	9.61	HF			1241 1371# 289 1611 1754
$Nb_{0.85-0.25}Ti_{0.15-0.75}$	9.7-9.75-7.6				1745 1391
$Nb_{0.75}Ti_{0.25}$	10.02, 9.93, 9.8	HF			885 1241 1371#
$Nb_{0.7}Ti_{0.3}$	10.1 Max.	HF			1398 310 455
$Nb_{0.6}Ti_{0.4}$	9.2, 9.8 Max.	HF			592 725
$Nb_{0.55}Ti_{0.45}$	9.4	HF			830 818 321
$Nb_{0.5}Ti_{0.5}$	9.5, 10.3	HF			841 253 968
$Nb_{0.44}Ti_{0.56}$	8.99	HF			874 725 830 1391 1409
$Nb_{0.33}Ti_{0.67}$(Various anneals)	8.4-6.5, 9.3				1803 841 968 991 253
$Nb_{0.36-0.02}Ti_{0.64-0.98}$	7.5-1.7				253
$Nb_{0.25}Ti_{0.75}$	6.3, 5.8-7.4				1800 253 815 999#
$Nb_{0.22}Ti_{0.8}$	6.15-6.6(as cast) 6.5, 6.9-7.8	HF			965 991 993 1414 1575 1442 682
$Nb_{0.15-0}Ti_{0.85-1}$	5.5-0.6(quenched)		A3		301 274 1638 1216 572# 554# 477#
$Nb_{0.025}Ti_{0.975}$	1.5		HEX		499
Nb_xTi_{1-x}(On hot substrate)	9-10.3-~5				▽1344
$Nb_xTi_yV_z$	3.8->10	HF	A2(where noted)		1399 1409
$Nb_{0.55}Ti_{0.45}V_{<0.03}$	>10				1399

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Nb_{0.5}Ti_{0.3}V_{0.2}$	7.8	HF			1792
$Nb_{0.5}Ti_{0.3}V_{0.2}$(after 3.7x $10^{19}{}_{o}n^{1}/cm^{2}$)	7.5	HF			1792
$Nb_{0.5}Ti_{0.2}V_{0.3}$	8.5 8.0(Irradiated)				1792
$Nb_{0.4}Ti_{0.4}V_{0.2}$	7.6 7.35(Irradiated)				1792
$Nb_{0.1}Ti_{0.4}V_{0.5}$	5.3 5.05(Irradiated)				1792
$Nb_{0.35}Ti_{0.64}W_{0.01}$		HF			1391
$Nb_xTi_yZr_z$	Data given	HF			830 1876
$Nb_{0.8-0.55}Ti_{0.1-0.4}Zr_{0.01-0.13}$		HF			1391 1463
$Nb_{0.75}Ti_{0.15}Zr_{0.1}$	9.7	HF			830
$Nb_{0.7-0.2}Ti_{0-0.8}Zr_{0.8-0}$	6.2-12				1738
$Nb_{0.69-0.52}Ti_{0.14-0.33}Zr_{<0.1-0.32}$	9.1-9.8	HF			1391 1438 830
$Nb_{0.5}Ti_{0.1}Zr_{0.4}$	10.3	HF			1789 1391
$Nb_{0.48-0.41}Ti_{0.48-0.15}Zr_{0.05-0.44}$	8.6-8.9	HF			830
$Nb_{0.35}Ti_{0.15}Zr_{0.5}$	8.6, 9.3	HF			830
$Nb_{0.35}Ti_{0.6}Zr_{0.05}$	8.6	HF			1789 965
$Nb_{0.35}Ti_{0.45}Zr_{0.20}$		HF			1391
$Nb_{0.21}Ti_{0.61}Zr_{0.18}$	6.53-7.21				965
$Nb_{0.19}Ti_{0.74}Zr_{0.07}$	6.75-9.1(as cast)				965 1205
NbTl(Sputtered)			A15(Weak diffraction lines)	9	1825 311
$Nb_xU_{1-x}(\alpha)$	0.9-1.0				134 027
$Nb_{0.18-0.22}U_{0.82-0.78}(\gamma)$	2.009-2.025		CUB		1252 134 027 177 466
$Nb_{0.222}U_{0.778}$	1.98	HF	A2		349 572#
$Nb_{0.26}U_{0.74}(\gamma)$	1.85				177
$Nb_{0-1}V_{1-0}$	5.19-3.97-9.29	HF	A2		1307 1979 1623# 1875 253 441 027 572#
$Nb_{0-1}V_{1-0}$	5.17-4.03-9.18	1336-957-1890			1307#
$Nb_xV_yZr_z$	6-11.5				1889
$Nb_{0-0.5}V_{2-1.5}Zr$	8.5-9.7-9.2				1323

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Nb_{0.03-0.32}V_{0.64-0.46}Zr_{0.32-0.23}$	9.65-4.34-5.42		C15		1707 1652
$Nb_{0.5}V_{1.5}Zr$	4.30		C14		1707
$Nb_{0-0.31}V_{0.67-0.36}Zr_{0.33}$	9.64-4.36-5.45		C15		1707
$Nb_{1-0.65}W_{0-0.35}$	9.2-1.5				253 441
$Nb_{0.6-0}W_{0.4-1}$				1.0	253 441
$Nb_{1-0.8}W_{0-0.2}$	Data given	HF	A2		441
$Nb_{1-0.98}Y_{0-0.02}$	9.25-9.38	HF			1771
$NbZn_3$			$L1_2$	1.02	270 311
$Nb_{1-0}Zr_{0-1}$(ω and β)	9.2-10.7-0.5	HF			1806 465# 321 383 455 218 289 399 268 686
$Nb_{0-\sim0.05}Zr_{1-0.95}$(α)	0.7-4		A3(358)		1806 847 358
$Nb_{1-0.75}Zr_{0-0.25}$	9.2-10.98-8.3				1352# 885 441 253 1984
$Nb_{0.5-0.1}Zr_{0.5-0.9}$	10.2-6.4				1579
$Nb_{0.0125-0.06}Zr_{0.99-0.94}$ (α plus β precipitate)	3.2-10.0				847
$Nb_{0.06-0.88}Zr_{0.94-0.12}$	10-10.5 Max.	HF			847
$Nb_{0.9-0.6}Zr_{0.1-0.4}$(weight fractions, practical starting elements)	10.2-11				1736
$Nb_{0.85}Zr_{0.15}$	10.8				1352# 572#
$Nb_{0.75}Zr_{0.25}$	10.75, 11.0	HF	A2		1157# 1387 1509 975 253 690 597 572# 429 368 406 310
$Nb_{0.7-0.66}Zr_{0.3-0.34}$	10.55-10.98	HF			1313 885 597 429 1594 1509 037
$Nb_{0.68}Zr_{0.32}$	10.05 10.55(after draw-down)				1313
$Nb_{0.6}Zr_{0.4}$(Various anneals)	10.58-10.05-10.75				1333
$Nb_{0.5}Zr_{0.5}$	10.75	HF			1301 1081 1818# 739 572# 429 441
$Nb_{0.5}Zr_{0.5}$(0-3.8 kbar)	T_c'(+0.04)				970

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
$Nb_{0.38}Zr_{0.62}$	8.7				1157# 572#
$Nb_{0.25}Zr_{0.75}$	10.45 Max.	HF			971 429
$Nb_{0.2}Zr_{0.8}$	8.0(Quenched) 8.5(Annealed)	HF			1579 971 991
$Nb_{0.15}Zr_{0.85}$(Various anneals)	6.2-10.2				1806 1579
$Nb_{0.13}Zr_{0.87}$	6.42(quenched)				1579
$Nb_{0.1}Zr_{0.9}$(Various anneals)	4-7.6				1806
$Nb_{0.04}Zr_{0.96}$(Various anneals)	4.9-8				1740
NbZr(Deposit 350, 630C, 3000-4000Å)	1.6-9.3	HF			▽1275
$Nb_{0.2}Zr_{0.8}$	9.2 Max.				▽1438
Nb_xZr_{1-x}(Deposit, hot substrate)	9-~11.5-6				▽1344
$Nb_{1-0}Zr_{0-1}$(Deposit 4.2K, amorphous)	6-3				▽1325
Nd(α)			A3'	0.25	023
Nd_2S_3			CUB	1.68	558
$NdSi_2$			C_c	1.0	025
Ni				0.35	270 272 572#
NiO				1.28	011
Ni_3P			DO_e	1.01	217 601
Ni_2P			C22	1.01	601 217
NiP				1.57	427
$Ni_{0.05}Pd_{0.95}Te_2$	1.40		C6		301
$Ni_{0.1}Pd_{0.9}Te_2$	1.30		C6		301
$Ni_{0.05}Rh_{0.04}Ti_{0.91}$	3.5				1060
$Ni_{0-1}Rh_{1-0}Zr_2$	11.3-1.7		C16		1476
Ni_xRu	0.45-0.2		HEX		1570
NiS				1.28	011 084
NiSb			$B8_1$	0.35	270 037 002
$NiSb_3$				1.45	427
$Ni_{0.12, 0.16}Sb_{0.88, 0.84}$("Gun" cooled)	1.5, 1.4		CUB, plus		1829
$NiSi_2$			C1	1.00	037
NiSi				1.90	119
$Ni_{0.93}Sn_{0.07}$				1.26	084
$NiTa_2$	0.90		C16		1377
NiTe			$B8_1$	1.0	037

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$NiTe_2$			C6	1.2	301
Ni_3Th_7	1.98		$D10_2$		173
NiTi			A2	1.02	270
NiU_6	0.86, 0.41, 0.33		$D2_c$		1866 920 021
NiU				1.12	021
$Ni_{0-0.03}V_{1-0.97}$	5.3-2.1		CUB		314 572#
$Ni_{0.22}V_{0.78}$	0.3, 0.35		A15 (∼80%)		707 948
$Ni_{0.175-0.225}V_{0.825-0.775}$	0.3-0.78		A15, plus		707 948 1023
$Ni_{0.5}V_{0.16}Zr_{0.34}$	0.43		C15		270
$Ni_{0-\sim400\,ppm}Zn$	T_c'(-∼0.1)				598
$NiZr_2$	1.6		C16		1355 1377 1476 914 1478 032
$Ni_{0.1}Zr_{0.9}$	1.50		HEX		032
Np			ORTHO	0.4	581 495 226 1669
O_2Mo				1.28	011
O_2Mo_5				1.28	119
ONb	1.39		B1		1542#
O_3NbSr (See Table 4)					
O_2Pb				1.02	181 119
$O_{0.105}Pd_{0.285}Zr_{0.61}$	2.09		$E9_3$		270
$O_3Rb_{0.33-0.20}W$	2.15-2.9- <1.2-4.35	HF	HEX		1882
$O_3Rb_{\sim0.26-\sim0.33}W$	1.6-2.0, 2.9	HF	HEX		1882 1967# 1943# 1942# 1186 1080 500
$O_3Rb_{0.27-0.29}W$	1.98				500
$O_3Rb_{\sim0.33}W$(acid etched)	2.84-2.36, 4.75, 7.7	HF			1883 1943 1080
O_2Re				1.3	1212
OReTi	5.74				181
O_3Rh_2				1.28	011
$O_{0.14}Rh_{0.287}Ti_{0.573}$	3.37		$E9_3$		270
$O_{0.105}Rh_{0.285}Zr_{0.61}$	11.8		$E9_3$		270
O_3Sn_2				1.30	119
OSn	3.81(?)				084
$O_3Sn_{0.21,0.24}W$			HEX	1.3	1379

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$O_3Sn_{0.19}W$			TET	1.3	1379
O_3SrTi (See Table 4)					
$O_3Sr_{0.08}W$	2.0-4.0		HEX		644
$O_{0.006-0.028}Ta_{0.944-0.972}$	4.185-3.48		A2		248
OTi	0.60		B1		1542# 481 010
OTi	1.28, 0.7		MONO		1472
$O_{0.86-1.25}Ti$	0.66-1.06		B1		1472
$O_{0.85-1.25}Ti$(Quenched from 50-60 kbar)	<1.3-2.0				1272
$O_{0.85-1.20}Ti$	0.05-1-0.08				1450# 1272
$O_{1.07}Ti$	1.0 Max.		B1		1450
$O_{1-x}Ti_{1-x}(Vacancies)_x$(0-90 kbar)	0.6-2.3		B1		835
O_3Ti_2				1.30	119
O_3Tl_2				1.28	011 084
$O_3Tl_{0.30}W$	2.00-2.14		HEX		644
O_2U				1.28	011
O_3V_2				1.28	011
$O_{0.8-1.1}V$			B1	0.07	010 1450
$O_{\sim0.03}V_{0.97}$	1.8-2.4		CUB		248 441
OV_3Zr_3	7.5		$E9_3$		270
O_3W				0.3	575
O_2W				0.3	575 069 119
OW_3	3.35, 1.1		A15		∇503
OW_3				0.012	∇503
Os	0.66		A3		569 239 972# 001 029 132 446 302# 572# 963# 236
OsP				1.1	1583
$Os_{0-0.12}Re_{1-0.88}$	1.694-1.93-1.79				1257 952
$Os_{0-0.12}Re_{1-0.88}$(P=0-20 kbar)	T_c'(-0.043 Max.)				952
$Os_{0.058}Re_{0.942}$	1.93 Max.		HEX		1646 952
$Os_xRe_{1-2x}W_x$	T_c'(+0.025)				1646
OsReY	2.00				171 201
$Os_{0.97}Rh_{0.03}$	0.09		HEX		1368
$Os_{0.38-0.33}Rh_{0.62-0.67}$	0.095-0.018		A1		1118
$Os_{0.2}Rh_{0.8}$				0.015	963

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Os_{0.05}Rh_{0.04}Ti_{0.91}$	3.5				1060
$Os_{1-0}Ru_{0-1}$	0.62-0.46-0.48		HEX		1646# 572#
Os_2Sc	4.60		C14		127
OsSi			B20	0.60	270
OsTa	1.95		A12		173
$Os_{0.3}Ta_{0.7}$			$D8_b$	1.0	276 182
Os_2Th			C15	1.02	270 572#
Os_3Th_7	1.51		$D10_2$		173
OsTi	0.46		B2		270 173
Os_2U			C15	0.37	270
$Os_{0.55}V_{0.45}$	5.04		A15+Os		707
$Os_{0.5}V_{0.5}$	5.15		A15		948#
$Os_{0.29}V_{0.71}$			B2	0.37	270 173
$Os_{0.9}W_{0.1}$			HEX	1.0	266
$Os_{0.8}W_{0.2}$			HEX	1.0	266
$Os_{0.74}W_{0.26}$	4.40		$D8_b$		182
$Os_{0.7-0.52}W_{0.3-0.48}$	3.7-0.9		HEX		266
$Os_{0.45-0.37}W_{0.55-0.63}$	4.1-3.7				266
$Os_{0.34}W_{0.66}$	3.81		$D8_b$		276
$Os_{0.33-0.22}W_{0.67-0.78}$	3.6-2.5		$D8_b$		266
$Os_{0.25}W_{0.75}$	3.02-2.21				033
$Os_{0.15}W_{0.85}$	2.2				266
$Os_{0.1}W_{0.9}$	1.5(Broad)				266
$Os_{0.075}W_{0.925}$	0.9		CUB		266
$Os_{0.05-0.025}W_{0.95-0.975}$			CUB	1.0	266
Os_2Y	4.7		C14		1478 127 171 201
Os_2Zr	3.0		C14		173 1478
$Os_{0.33-0.2}Zr_{0.67-0.8}$	<2-4.1		CUB's		955
Os_4Zr_{11}			CUB	1.2	955
$Os_{0.1-0.01}Zr_{0.9-0.99}$	5.20-5.6-1.5		HEX		032
$Os_{0.06}Zr_{0.94}$	5.6		HEX		032
P (P=170 kbar)(99.999%)	5.8	HF			786 775
P (P=220, 230, 260 kbar)	~5.6, ~5.3, ~3.6	HF			786 775
P Pb	7.8				085 089 111
P_3Pd_5				1.1	262
P_2Pd_5				1.1	262

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$PPd_{3.0-3.2}$	0.75-<0.35		DO_{11}		491
P_3Pd_7(High temp. phase)	1.00		RHOMB		491
P_3Pd_7(Low temp. phase)	0.70				491
$P_{0.26}Pt_{0.74}$				0.35	491
P_4Re_3			MONO	1.1	1583
PRe_2			C23	1.13	1582
PRh_2	1.3		C1	1.03	491 035
$P_{0.44}Rh_{0.56}$ (P_3Rh_4)	1.22 (2.5)		(ORTHO)		035 (1995)
PRu				0.35	491
PRu_2				0.35	491 262
PSTa(Prepared P=65 kbar, 1100-1300C)			ORTHO	1.25	892
$P_{0.4}S_{0.6}Y$			B1	0.36	1219
$P_{0.2}Si_{0.8}V_3$	16.6		A15		1976
$P_{0.3}Si_{0.7}V_3$	14.75		A15		1976
PSn	2.8-4.0		B1		1382
PSn			TET	1.25	1382
PSn (See Table 4)					
P_2Ta (PTa_3)	(0.4)		MONO(TET)	0.035	1508 1583 (1995)
PTi			B_i	1.13	1582
P_2Ti			C23	1.1	1583
PV			$B8_1$	1.01	601 217
P_2V			MONO	0.035	1508 1583
PV_3				1.0	128 117
P_2W	<0.3(?)		MONO	0.33	1508
PW			B31	1.01	601 217
PW_3	2.76		DO_e		601 217
P_2Zr (PZr_3)	(4.5)		C23 (TET)	1.1	1583 (1995)
$P_{0.95}Zr$(α, high temp. from)	~4.6		B1		1915#
Pa	1.4		TET		504 1936
Pa			A1	0.4	1936
$Pa_{0.75}Zr_{0.25}$	1.54				1936
Pb(RRR=15,000)	7.195	803.4	A1		1709# 1907 1802# 001# 150 1639 1423 380 476# 024 653 1710 1267 1250# 1906 1287

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Pb(RRR= 5,000) (Cont'd)					666 586 430 357 322 906 1781
Pb(I)(P=0-110 kbar)	7.2-4.2				904 926 1906
Pb(II)(P=160 kbar)	3.55				780 904
Pb(II)(P=135-200 kbar)	3.6-2.9				1702
Pb(In porous media, 32A, 58A)	7.049, 7.150	96, 55			1642
Pb(~15-110Å)	~2-7.5				∇1259 ∇1927 ∇1894 ∇941
Pb(Deposited 10K, ~50-3000Å)	6.4-7.2, 7.26	HF			∇1680 ∇1268
Pb(Deposited 4.2K, 300K; 20-1000Å)	5.3-7.2	HF			∇1762 ∇1218 ∇672 ∇1648 ∇1403 ∇385 ∇602 ∇735 ∇752 ∇837 ∇985 ∇1124 ∇1644 ∇1739
Pb(<100Å, deposited 105K)	7.22 7.09(oxidized)				∇1062
Pb(with Mn, Gd, CuFe, CuMn, CuCo, $CeAl_2$ etc.)					∇296 ∇733 ∇821 ∇598
Pb(Deposited 3K, with 10% SiO)	6.5				∇1218
Pb(Quench condensed at 0.4K)	7.03 7.16(Annealed)				∇1491 ∇1548
$PbMo_6S_7$	11.1				1193#
Pb_2Pd	3.01			C16	1377 229 426
$PbPd_3$			$L1_2$	0.10	1372 412
$Pb_2Pd_{0-1}Rh_{1-0}$	1.4-2.0-1.7-3.0		C16		1377
$Pb_{2-0}PdTl_{0-2}$	3.0-1.3		C16		1377
$Pb_{0.8}Pt_{0.2}$	2.8				229 398
PbPt	7.2-~1.5				∇756
Pb_2Rh	2.66		C16		229
$Pb_{1.9}Rh$	1.32		C16		1377
$PbRh_2$				0.32	489
PbS				1.0	064 065 011 307 423
PbS_3Ta	3.07, 3.11		TET		778#
PbS_3Ti			TET	0.05	778 795#
$Pb_{1-0.99}Sb_{0-0.01}$	T_c'(+0.10)				1165
$Pb_{1-0.95}Sb_{0-0.05}$	T_c'(+0.62)				1133 861

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$PbSb_x$		HF			589 458
PbSb(Eutectoid)	6.6				109 085
$Pb_{0.9}Sb_{0.1}$(Quench condensed 0.4K)	6.28 7.27(Annealed)				▽1491
PbSe				1.26	084 002 064
$Pb_{1-0.97}Sn_{0-0.03}$	T_c'(+0.04)				1165 861
$Pb_{1-0.95}Sn_{0-0.05}$	T_c'(+0.07)				1133 861
$Pb_{0.96-0.87}Sn_{0.04-0.13}$		HF			322 457
$Pb_{0.57}Sn_{0.43}$	7.45	HF			1917
$Pb_{0.36}Sn_{0.64}$	7.75	HF			1917
$Pb_{0.28}Sn_{0.72}$	7.05	HF			1917
$Pb_{0.1-0.18}Sn_{0.9-0.82}$(30 kbar, 280°C, to 78K, 0 kbar)	~5.6		(SnII?)		900
$Pb_{0.01}Sn_{0.99}$	3.752				1153
$Pb_{0-0.01}Sn_{1-0.99}$	3.731-3.734		TET		318#
$Pb_{0.9}Sn_{0.1}$(Quench condensed at 0.4K)	6.77 7.17(Annealed)				▽1491
PbSnTe (See Table 4)					
Pb_3Sr	1.85		TET		715 1245
PbTe(Plus 0.1 weight % Pb)	5.19			0.020	669 1988
PbTe(plus <0.1 weight % Pb)	5.3-5.34	HF		0.020	669 1988
PbTe(plus 0.1 weight % Tl)	5.24-5.27			0.020	669 1988
PbTe (See Table 4)					
PbTe				1.28	011 064 119 423 1988
Pb_xTe_{1-x}	~20			0.020	1884 1341 1988
$Pb_{0.9}Te_{0.1}$(Quench condensed at 0.4K)	5.35 6.92(Annealed)				▽1491
PbTe				2.4	▽1927
Pb_3Th	5.55		$L1_2$		715
$Pb_{1-0.98}Tl_{0-0.02}$	T_c'(-0.07)				1165
$Pb_{1-0.89}Tl_{0-0.11}$	T_c'(-0.28)				1133 861
$Pb_{1-0}Tl_{0-1}$	7.22-<1.24-2.67	HF			736 1348 083 356 080 401 649
$Pb_{0.975-0.5}Tl_{0.025-0.5}$	540-555-185				356 401 080
$Pb_{0.99}Tl_{0.01}$	823.1, HF				979 1724# 586

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H (oersted)	Crystal Structure	T_n(K)	Refs.
$Pb_{0.96}Tl_{0.04}$	7.06	864, HF			653# 1641 322 586
$Pb_{0.95}Tl_{0.05}$		945			1724#
$Pb_{0.93}Tl_{0.075}$	6.98	880, HF			653#
$Pb_{0.89}Tl_{0.11}$	6.88	849, HF			653# 586
$Pb_{0.85}Tl_{0.15}$	6.73	796, HF			653# 586
$Pb_{0.79}Tl_{0.21}$	6.43	756, HF			653# 586
$Pb_{0.73}Tl_{0.27}$	6.43	760, HF			1200 322
$Pb_{\sim 0.6}Tl_{\sim 0.4}$	~5.8	HF			403 1434
$Pb_{0.53-0.47}Tl_{0.47-0.53}$ (No Brillouin zone effect)	5.637-5.312				1297
$Pb_{0.35}Tl_{0.65}$	~3.8				074 080 082 098
$PbTl_2$	3.75, 4.10				082 071 080 098
$Pb_{0-0.003}Tl_{1-0.997}$	T_c'(+0.45)				209 1108
Pb_xTl_{1-x}	Data given				∇1126 ∇798
PbV_3			A15	4.2	825
PbW				Data given	106
Pb_3Y	4.72		$L1_2$		715
Pb_3Yb	0.23(broad)		$L1_2$		715
$Pb_{0.9}Zn_{0.1}$(Quenched condensed at 0.4K)	6.37 7.12(Annealed				∇1491
Pb_3Zr_5	4.60		$D8_8$		270
$PbZr_3$	0.76		A15		270
Pd			A1	0.10	023 572# 637 963#
Pd(0.1-1% Xe)			A1	1.1	∇1526
$Pd_{0.4}Pt_{0.1}Rh_{0.5}$				0.015	963
$Pd_{0.25}Pt_{0.25}Rh_{0.5}$				0.015	963
$Pd_{0.9}Pt_{0.1}Te_2$	1.65		C6		301
$Pd_{0.95}Pt_{0.05}Te_2$	1.71		C6		301
$Pd_{0.75}Rh_{0.25}$				0.015	963# 572#
$Pd_{0.5}Rh_{0.5}$				0.015	963# 572#
$Pd_{0.95}Rh_{0.05}Te_2$	1.65		C6		301
$Pd_{0.05}Rh_{0.04}Ti_{0.91}$	3.7				1060
$Pd_xRh_{1-x}Zr_2$	8.8-11.3		C16		1476
$Pd_{0.04}Rh_{0.29}Zr_{0.67}$	8.56		C16		1372

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
$Pd_{0.02}Rh_{0.31}Zr_{0.67}$	9.85		C16		1372
Pd_xRu	0.4		HEX		1570
$Pd_{0.375}Ru_{0.375}Ta_{0.25}$			$L1_2$	0.10	1372
$Pd_{0.05}Ru_{0.05}Zr_{0.9}$	~9				032
Pd_4S			TET	0.32	552
$Pd_{2.8}S$				0.35	491
$Pd_{2.2}S$(Quenched)	1.63		CUB		491
PdS				0.35	491
$Pd_{0.63}Sb_{0.37}$				0.35	491
PdSb	1.66		$B8_1$		1296# 037
$Pd_{0.49-0.52}Sb_{0.51-0.48}$	1.66, 1.67-1.42		Data given		1296# 950#
$PdSb_2$	1.25		C2	0.35	270 491
$Pd_{0.165}Sb_{0.835}$(Rapid quench)	4.9		CUB		1116
$Pd_{0.51}Sb_{0.49}$(with ≤0.01 Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Nb, Mo or Ru)	1.67-<0.3				950# 1296
PdSbSe	1.0		C2		413 414
PdSbTe	1.2		C2		413 414
$PdSc_2$			$E9_3$	0.32	469
$Pd_{6.7}Se$	0.66				552
Pd_4Se	0.42		TET		552 140
Pd_5Se_2	2.3				140
$Pd_{0.67}Se_{0.33}$	2.2				140
$Pd_{17}Se_{15}$			CUB	0.32	552 140 285 238
PdSe			CUB	1.00	140
PdSe			B34	0.32	552
$PdSe_2$				1.5	140
$Pd_{1.2-1.7}Se$	2.5				140
PdSeTe			C6	1.2	301
PdSi	0.93		B31		270
Pd_2Sn	0.41		C37		491
Pd_3Sn_2	0.47-0.64		$B8_2$		491 262
PdSn	0.41		B31		491
$PdSn_2$	3.34				426
$PdSn_4$			ORTHO	1.35	229 222
Pd_2Sr			C15	1.02	028
Pd_4Te			CUB	0.32	552

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Pd_3Te	0.76				552
PdTe	3.85, 2.3		$B8_1$		552 039 037 572#
$Pd_{1.02-1.1}Te$	2.56-1.88-4.07		$B8_1$		552 1587
$Pd_{1.75}Te_2$	2.25(Annealed 1.93		C6		301
$Pd_{1.5}Te_2$	2.21(Annealed) 1.87		C6		301
$Pd_{1.25}Te_2$	2.20(Annealed) 1.90		C6		301
$PdTe_2$	1.45, 1.69		C6		1027 552 301
$Pd_{1.05}Te_2$	1.77		C6		301
$Pd_{0.95}Te_2$	1.89		C6		552
$Pd_{0.87}Te_2$	1.85		C6		552
PdTe (See Table 3)					
Pd_5Th				0.32	469 572#
Pd_4Th			$L1_2$	0.10	1372
Pd_3Th				1.3	456
Pd_5Th_3				1.3	456
PdTh				1.5	711
$PdTh_2$	0.85, 0.75		C16		1377 469
$PdTl_2$	1.32		C16		1377
PdV_3	0.082		A15		707 948# 1023 980
$Pd_{1-0.75}W_{0-0.25}$			A1	0.2	846
$Pd_{0.74-0.56}W_{0.26-0.44}$	0.1-1.6		A1		846
$PdXe_x$				1.1	▽1441
Pd_3Y			$L1_2$	0.32	469 412
$Pd_{0.1}Zr_{0.9}$	7.5		HEX		032
Po				1.6	208
Pr(α)			HEX	0.25	023
Pr_2S_3			CUB	1.68	558
$Pr_{0-0.3}Th_{1-0.7}$	1.37-0.3		CUB		768
Pt			A1	0.10	023 574 572# 637 963#
Pt				0.3	▽503 ▽756
$Pt_{0.2}Rh_{0.8}$				0.015	963

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Pt_{0.05}Rh_{0.04}Ti_{0.91}$	4.3				1060
$Pt_xRh_{1-x}Zr_2$	6.8-11.3		C16		1476
Pt_xRu	0.43-0.21		HEX		1570
PtSb	2.1		$B8_1$		037 396
PtSb (See Table 4)					
PtSbSe			C2	1.2	413 414
PtSbTe			C2	1.2	413 414
Pt_3Sc			$L1_2$	0.32	469
PtSc			B2	0.32	469 173
$PtSc_4$				0.32	469
PtSi	0.88		B31		270
Pt_3Sn			$L1_2$	1.2	412
PtSn	0.37		$B8_1$		486
$PtSn_2$			C1	0.34	486
$PtSn_4$			ORTHO	1.3	229 222
Pt_2Sr			C15	1.02	028
Pt_2Ta			ORTHO	1.6	1299
PtTa	1.0		$D8_b$		182
$Pt_{0.3}Ta_{0.7}$	1.45-<1.2 (Annealed) 1.4-<1.2 (Quenched)		$D8_b$		276
$Pt_{0.2}Ta_{0.8}$			$D8_b$	1.2	276
$Pt_{0.15}Ta_{0.85}$	0.400		A15		707 1023
PtTe	0.59		ORTHO		552
$PtTe_2$			C6	1.2	301
Pt_5Th	3.13				469
Pt_4Th				0.32	469
Pt_3Th				0.32	469
Pt_2Th				0.32	469
Pt_5Th_3				1.3	456
PtTh	0.44		B_f		469
Pt_3Th_7	0.98		$D10_2$		469 270
Pt_8Ti				1.15	711
$PtTi_3$	0.486, 0.58	HF	A15		707 270 010
$PtTl_2$	1.58		C16		1377
$Pt_{0.02}U_{0.98}(\beta)$	0.87			1.2 (9.5 kbar)	698
$Pt_{0.0175}U_{0.9825}(\beta)$	0.85				700

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Pt_3V			$L1_2$	0.07	1372
$Pt_{0.33}V_{0.67}$				1.02	173
PtV_3(Various order states and anneals)	3.62-2.53		A15		707 1446 498 173 578
PtV_3	3.20		A15		948# 645 707
PtV_3	2.91(Quenched) 3.62(Annealed)		A15		1177
PtV_3	2.53(As cast)		A15		707
$Pt_{0.19-0.33}V_{0.81-0.67}$	2.35-3.015-0.199(Quenched) 2.4-3.62-0.225(Annealed)		A15		1177 707 498 948#
$Pt_{0.22}V_{0.78}$	1.26, 1.76, 0.98		A15		707 498 948#
$Pt_{1-0.73}W_{0-0.27}$			A1	0.2	846
$Pt_{0.98-0.95}W_{0.02-0.05}$	1.1-2.2		CUB		239
$Pt_{0.9-0.63}W_{0.10-0.37}$	2.55-2.7		CUB's		239
$Pt_{0.72-0.33}W_{0.28-0.67}$	0.2-3.0		CUB		846
$Pt_{0.6-0.3}W_{0.4-0.7}$	0.4-2.15		CUB		239
$Pt_{0.5}W_{0.5}$	1.45				239
$Pt_{0.25-0.1}W_{0.75-0.9}$				0.3	239
Pt_5Y				0.32	469
Pt_3Y			$L1_2$	0.32	469 412
$Pt_{2.2}Y$	1.70		C15		469
Pt_2Y	1.57		C15		127 201
PtY				0.32	469
Pt_2Y_3	0.9				469
Pt_3Y_7	0.82		$D10_2$		469
$Pt_{0.42}Y_{0.58}$	0.76				469
PtZr	3.0		A3		032
Pu			MONO	0.4	1581 226 495 669
Rb			A2	0.011	494 245
Rb (P=0-∼150 kbar)				1.2	781
Re(RRR ∼1000)	1.696	201			1636 029 221 382 1257 1243# 1220 972# 952 680 1254 045 362 147 161 1765 572# 465# 1470

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Re(0-100% elongation)	1.7-~2.5 (at room temp.) 1.7-~1.77-~1.74 (at 1293 K)				1765
Re(125-4600Å)	2.5-4.9(high vacuum) 4.6-5.5(in N_2)				∇1274 ∇1881
$Re(Ar, Ze)_x$	5.55, 5.9				∇1526
Re	1.9-~7				∇503
Re("plastic" compression)	2.3 Max.				1881
$Re_{1-0}Os_{0-1}$	1.7-1.93-0.7				1646#
$Re_{0.94}Os_{0.06}$	1.93				1646#
$Re_{1-0.98}Rh_{0-0.02}$	1.7-2.01				1646
$Re_{0.05}Rh_{0.04}Ti_{0.91}$	2.3				1060
$Re_{1-0}Ru_{0-1}$	1.7-2.23-0.5				1646
$Re_{0.83}Ru_{0.17}$	2.23		HEX		1646
$ReSe_2$				1.15	711
$ReSi_2$				1.15	712
$Re_{0.18}SiV_{2.82}$			A15	14	1913
$Re_{0.75}Ta_{0.25}$	6.78		A12		182
$Re_{0.65}Ta_{0.35}$	1.58		A12		276 173
ReTa	1.3		$D8_b$		182
$Re_{0.4-0.25}Ta_{0.6-0.75}$				0.006	713#
$Re_{0.2-0.025}Tc_{0.8-0.975}$	0.21 3.45	232-613			713#
Re_xTa_{1-x}(Deposited 4.2K, amorphous)	3.8-7				∇1325
$Re_{0.75}Ta_{0.25}$	4.7 Max.				∇1438
$Re_{1-0}Tc_{0-1}$	1.699-2.75-8.35		HEX		1303
Re_2Th	5.05		C14		711 1149
$Re_{0.83}Ti_{0.17}$	6.6, 5.1		A12		173 276
$Re_{0.1-0.02}Ti_{0.9-0.98}$	2.7 Max.				093 171 522
$Re_{0.83}Ti_{0.17}$	9.0 Max.				∇1438
Re_2U			ORTHO	1.02	270
$Re_{0.92}V_{0.08}$	6.8		A3		572#
$Re_{0.9}V_{0.1}$	9.4				270
$Re_{0.76}V_{0.24}$	4.52		$D8_b$		412 295 557
$Re_{0.6}V_{0.4}$	2.2		A2		412
$Re_{1-0.99}W_{0-0.01}$	1.69-1.725				1257

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Re_{1-0.88}W_{0-0.12}$	1.7-7.5				1646# 572#
$Re_{1-0.84}W_{0-0.16}$	1.6-8.0		HEX		266
Re_3W	9.0		A12		182
$Re_{0.5-0.7}W_{0.5-0.3}$	4.8-5.2		$D8_b$		253
$Re_{0.6}W_{0.4}$	6.0, 4.9		$D8_b$		266 136
$Re_{0.5-0.52}W_{0.5-0.48}$	5.03-5.2		$D8_b$		266 557# 276 182 572#
$Re_{0.4-0.15}W_{0.6-0.85}$	5.1, 4.0-2.3		CUB		253 266
$Re_{0.25}W_{0.75}$	4.6	HF	CUB		266 289 572#
$Re_{0.15}W_{0.85}$	2.4		CUB		266
$Re_{0.1}W_{0.9}$			CUB	1.02	266
$ReW_{0-0.002}$	1.7-1.73				1646
$Re_{0-1}W_{1-0}$	<2-11.41-8, 9-6 (Chem. vapor deposited) <0.5-5, 8.5-1.7 (Arc melted)				1854
$Re_{1-0}W_{0-1}$ (Deposit 4.2K, amorphous)	7.5-3.5				▽1325
$Re_{0.73}W_{0.27}$	8.3 Max.				▽1438
$Re_{0.6}W_{0.4}$	9.7 Max.				▽1438
$Re_{0.5}W_{0.5}$	8.1 Max.				▽1438
$Re_{0.67}Y_{0.33}$	1.83		C15		127
$Re_{0.67}Zr_{0.33}$	6.0, 6.8		C14		133 270 427 1149 1478
$Re_{0.86}Zr_{0.14}$	7.4		A12		173 202
$Re_{24}Zr_5$	3.0				427
Rh			A1	0.086	103 574 5 637 963# 1118
Rh				0.3	▽503
Rh_xRu	0.37-0.11		HEX		1570
$Rh_{1-0.55}Ru_{0-0.45}Se_4$	4.3-<0.05		C2		1185# 714#
$Rh_{0.55-0}Ru_{0.45-0}Se_4$				0.05	1185
$Rh_{0.04}Ru_{0.05}Ti_{0.91}$	3.5				1060
$Rh_{1-x}Ru_xZr_2$	10.3-11.3		C16		1476
$Rh_{0.97-0.875}Ru_{0.03-0.125}Zr_2$	10.8-10.1		C16		1372
$Rh_{17}S_{15}$	5.8		CUB		035 238
RhSb			B31	0.35	270
Rh_3Sc			$L1_2$	0.32	469
RhSc			B2	1.02	279

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Rh_{0.32}Sc_{0.68}$				0.32	469
$Rh_{0.24}Sc_{0.76}$	0.88, 0.92 (Portion of sample)				469
$RhSc_4$				0.32	469
$Rh_{0.04}Sc_{0.05}Ti_{0.91}$	1.3				1060
$Rh_{0.53}Se_{0.47}$	6.0		C2		033
$Rh_{0.39-0.29}Se_{0.61-0.71}$	6 Max.				033 035
$Rh_{0.36}Se_{0.64}$	6.0		C2		035
$Rh_{0.29}Se_{0.71}$				1.04	035
RhSi			B20	0.35	270
$RhSn_2$	0.60		C16		1377
Rh_2Sr	6.2		C15		028 041
Rh_2Ta			C37	1.39	1299
RhTa	2.0		$D8_b$		182
$Rh_{0.4}Ta_{0.6}$	2.35		$D8_b$		276
$Rh_{0.33}Ta_{0.66}$	7.0 Max.				∇1438
$Rh_{0.04}Ta_{0.05}Ti_{0.91}$	2.3				1060
$RhTe_2$	1.51		C2		033 035 058
$RhTe_2$(High temp. form)			C6	1.06	088
RhTe			$B8_1$	1.06	280 058
$Rh_{0.67}Te_{0.33}$	0.49				552
Rh_5Th	1.07				469
Rh_3Th			$L1_2$	0.32	469
Rh_2Th				0.32	469
RhTh	0.36		B_f		469
Rh_3Th_7	2.15		$D10_2$		270
$Rh_{0.91}Ti_{0.09}$	2.0				1060 522 440
$Rh_{0.88}Ti_{0.12}$	4.0		CUB		766
Rh_3Ti			$L1_2$	1.2	412
$RhTi_2$				1.2	1071
$Rh_{0.15-0.05}Ti_{0.85-0.95}$	3.95-2.25				093 171
$Rh_{0.135-0}Ti_{0.865-1}$	4.3 Max.				717
$Rh_{0.12, 0.1}Ti_{0.88, 0.9}$	4.0		CUB		717 1071#
$Rh_{0.08}Ti_{0.92}$	3.5		CUB		1071#
$Rh_{0.06}Ti_{0.94}$	2.6		CUB		1071#
$Rh_{0.04}Ti_{0.96}$	2.0		CUB		1060 766 717
$Rh_{0.03-0}Ti_{0.97-1}$	1.34-1.79-0.79		A3		1109# 766 1071#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Rh_{0.91}Ti_{0.4}V_{0.05}$	2.9				1060
$Rh_{0.91}Ti_{0.4}W_{0.05}$	3.4				1060
$Rh_{0.91}Ti_{0.04}Y_{0.05}$	1.4				1060
$Rh_{0.91}Ti_{0.04}Zr_{0.05}$	1.8				1060
Rh_3U			$L1_2$	1.2	412
$Rh_{0.02}U_{0.98}$	0.96				698
RhV_3			A15	0.015	707 1001 948 1496 270
$Rh_{0.35}V_{0.65}$	1.075 1.036(Long anneal)				1496
Rh_3V			$L1_2$	1.2	412
RhW	3.37-2.64.1.9		HEX		033
$Rh_{0.3}W_{0.7}$	7.3 Max.				∇1438
$Rh_{1-0}Y_{0-1}$	1.45-0.4				454
Rh_5Y	0.56				469
Rh_3Y	1.07		C15		469
Rh_2Y			C15	0.32	270 469 127
RhY			B2	0.32	469
RhY_2				0.32	469
Rh_3Y_7			$D10_2$	0.32	658 469
Rh_2Y_3	1.48				469
RhY_3	0.65				469
RhZr	2.7			1.7	648 033
$Rh_{0.45-0.10}Zr_{0.55-0.9}$	~10.8				648
$Rh_{0.4}Zr_{0.6}$	5.9-7				033
$RhZr_2$	11.36(Long anneal)		C16		1476 1478 1377 648 033
$Rh_{0.33}Zr_{0.67}$	11.25(As cast)				1858
$Rh_{0.25-0.36}Zr_{0.75-0.64}$	11.5-11.1(As cast)				1476
$Rh_{0.027-0.005}Zr_{0.973-0.995}$	4.8-3.5		A3		766 033
$RhZr_3$	11.0		$E9_3$		766
$Rh_{0.23-0.2}Zr_{0.77-0.8}$	9.0				033
$Rh_{0.17}Zr_{0.83}$	9.6				033
$Rh_{0.14}Zr_{0.86}$	9.5		HEX		033
$Rh_{0.15-0.1}Zr_{0.85-0.9}$	12.2-11.6				459
$Rh_{0.15-0}Zr_{0.85-1}$	10.2-9.8 (Annealed)				459
$Rh_{0.14}Zr_{0.86}$	11.1	HF			1858 033
$Rh_{0.12}Zr_{0.88}$	11.0		CUB		766

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
$Rh_{0.09-0.035}Zr_{0.9-0.965}$	11.0-5.0		CUB		766 032 648 033
$Rh_{0.08-0.03}Zr_{0.92-0.97}$	6.1-3.1				1061# 572#
$Rh_{0.08-0}Zr_{0.92-1}$	6.4-6(Unannealed)				459
$Rh_{0.07-0.005}Zr$	10.4-7.8				648 033
$Rh_{0.04-0.02}Zr_{0.96-0.98}(\omega)$	3.9-2.7				648
$Rh_{0.03}Zr_{0.97}$	3.1 10.4, 5.5(As cast)				1061# 1858 033 1061
$Rh_{0.02-0.001}Zr_{0.98-0.999}$	4.3-2.1, 5.8, 1.5			1.7	648 033
$Rh_{0.33}Zr_{0.66}$	11.2 Max.				∇1438
$Rh_{0.25}Zr_{0.75}$	11.4 Max.				∇1438
Ru	0.493		A3		816 731# 920 132# 99 104 101 249 236 184 029 972# 569 001 572#
Ru(0.1-1% Xe)			A3	0.08	∇1526
RuS_2			C2	0.32	552
RuSb			B31	0.35	491 1582 711
Ru_2Sb				0.35	401
Ru_2Sc	2.24		C14		1026 127 115
$RuSe_2$			C2	0.32	552
$RuTe_2$			C2	0.32	552
Ru_2Th	3.56		C15		173 572
RuTi	1.07		B2		270
$Ru_{0.05-0.1}Ti_{0.95-0.9}$	3.5, 2.5				093 171 522
$Ru_{0.02-0.06}Ti_{0.6}V_{0.4}$	6.6 Max.				171
Ru_3U			$L1_2$	1.2	412
$Ru_{0.54-0.45}V_{0.46-0.55}$	3.5-<0.4- 5.0-4.0				1930#
$Ru_{0.5}V_{0.5}$				0.4	1930 1119
$Ru_{0.475-0.42}V_{0.525-0.48}$	3-5.7-3.8-5- 2.1 (Annealed) 1.5-5.4-3.8- 4-3.5(As cast)		TET, CUB		1757
$Ru_{0.465}V_{0.535}$(0-24 kbar)	5.8 Max.				1757
$Ru_{0.46}V_{0.54}$	5.0		B2		1930# 1706
$Ru_{0.46}V_{0.54}$(0-20 kbar)	4.85-5.05				1706
$Ru_{0.452}V_{0.548}$	3.8-4.2				1119
$Ru_{0.45}V_{0.55}$	4.0		B2		572

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_c(oersted)	Crystal Structure	T_n(K)	Refs.
$Ru_{0.4}V_{0.6}$	~1				119 572#
$Ru_{0.58}W_{0.42}$	5.2		$D8_b$		182
RuW	7.5				033
$Ru_{0.4}W_{0.6}$	4.67		$D8_b$		276
$Ru_{0.5}W_{0.5}$	5.7 Max.				∇1438
$Ru_{0.4}W_{0.6}$	5.0 Max.				∇1438
$RuXe_x$				0.08	∇1441
Ru_2Y	2.42		C14		1026 127 115
RuY_3				4.2	1989
Ru_2Zr	2.4, 1.84		C14		1478 173
$Ru_{0.1}Zr_{0.9}$	5.7		HEX		032
S_3Sb				1.28	011
$S_{\sim 1-1.1}Sc$	4.5-<1.5		B1		1915# 1219
S Sc			B1	0.33	1219
$S_{2-0}Se_{0-2}Ta$	0.8-2.7-2.1, 3.8-4.1-<1		HEX's		1910
$S_{1.2}Se_{0.8}Ta$	3.9	HF			1262
S SeTa	3.7	HF			1262
$S_{0.8}Se_{1.2}Ta$	3.9	HF			1262
S SeTa (See Table 3)					
S Sn				1.28	011
S_3SnTa	2.96-2.84		TET		1150#
S_2Ta	0.8		HEX		1918 1192 1128 1027 797 675
S_2Ta	1.6, 1.99-1.82, ≈3.6		HEX		796# 778 1871 1128
S_2Ta	0.6-0.80 1.3-2.1(Vapor transport)				797
S_2Ta(See Table 3)					
$S_2Ta_{1-0}Ti_{0-1}$					1992#
S_2TaW (See Table 3)					
S Ti				1.0	1191
S_2Ti (See Table 3)					
$S Tl_2$				1.3	084
$S V_3$(Room temp. phase)				1.13	1582 711
S_2W			HEX	1.25	1918
$S W_2$				1.3	084

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
S_2W (See Table 3)					
SY	1.9-1.3		B1		1219
$S_4Zr_{3.6-\leq 4.5}$	4.5-2.5(Max.)		B1		1659
$S_{1.1}Zr$	4.5-2.5(Max.) 3.3(Annealed)		B1		1659
$S_{1.1}Zr$(20-160 kbar)	4-6.9				1659
S_2Zr (See Table 3)					
Sb			A7	0.152	103
Sb(III)(85, 93, 100, ~150 kbar)	3.55, 3.52, 3.53, 3.40				774 902
Sb(Prepared at 120 kbar, held at 77K)	2.6-2.7	HF			520
$Sb_{0.7}Sn_{0.3}$("Gun" Cooled)	2.85		CUB		1829
SbSn	1.56		B1		1542# 470
$Sb_{0.4}Sn_{0.6}$	3.8	Data given			085
$Sb_{0-0.08}Sn_{1-0.92}$	2.64-3.96 -3.89	304-345			036# 265
$Sb_{0.05}Sn_{0.95}$(Weight fraction)	3.75	HF			1917
$Sb_{0-0.005}Sn_{1-0.995}$	T_c'(-0.034)				817
Sb_xSn_{1-x}	T_c'(-0.040 -0.018)	Data given			1618 318# 320
$Sb_{0.011}Sn_{0.989}$	3.642	301.7			1724#
SbSn(See Table 4)					
$Sb_{1-0.1}SnTe_{0-0.9}$	1.6-~1				1605
SbSnTe(See Table 4)					
$SbTa_3$	0.72-0.59		A15		1015
Sb_2Ta			MONO	0.30	1508 1584
SbTe (See Table 4)					
$SbTe_2Tl$			RHOMB	0.015	1139
Sb_2Ti			C16	0.07	1377 1583
$SbTi_3$	5.47, 5.8, 6.5		A15		1002# 173 1446
$Sb_{0.25}Ti_{0.75}$	7.2 Max.				▽1438
$Sb_{0.12-0.31}Ti_{0.88-0.69}$	2.3-5.3-4.4 (Quenched) 2.0-6.5-5.8 (Annealed)		A15		1002
$SbTi_{0-3}V_{3-0}$	6.5-0.8(Quenched) 5.3-0.8(Annealed)		A15		1002

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Sb_{0.66}Tl_{0.33}$	5.2				085 087
$Sb_{0.28}Tl_{0.72}$	5.2				111 089
$Sb_{0-0.004}Tl$	T_c'(-0.02+0.015)				591
Sb_xTl_{1-x}	T_c'(+0.21)		Data given		858 1878
Sb_2V			C16	0.06	1377
SbV_3	0.80		A15	1.0	578 117 142 128 1002# 270
$Sb_{0.03}V_{0.97}$	2.63		A2		514# 572#
$Sb_{0.01-0.03}V_{0.99-0.97}$	3.76-2.63		A2		514#
SbY			B1	1.02	270 411
Sb_2Zr				0.30	1504
Sb_2Zr_3	1.74				270
Sb_3Zr_5			$D8_8$	1.13	1582
Sc (P=0-160 kbar)				0.014	1994
Sc			A3	0.032	744# 660 132 234 572#
ScSe			B1	0.33	1219
$ScSi_2$				1.0	025
$Sc_{0.01-0.6}V_{0.99-0.4}$	5.5-7.04-6.8	HF			1698
$Sc_{0.8}Zr_{0.2}$				Data given	744# 572#
$Sc_{0.5}Zr_{0.5}$				0.022	744# 572#
$Sc_{0.4}Zr_{0.6}$				0.04	744#
$Sc_{0.25}Zr_{0.75}$				Data given	744# 572#
$Sc_{0.2-0.1}Zr_{0.8-0.9}$				0.036	744# 572#
$Sc_{0.07}Zr_{0.93}$	0.08-0.04				744#
$Sc_{0.05}Zr_{0.95}$	0.11-0.08				744# 572#
$Sc_{0.01}Zr_{0.99}$	0.32-0.25, 0.17-0.12				744
Se			A8	1.26	273
Se(II)(P=~130 kbar)	6.75, 6.95				547
Se_4Nb_3	1.61				711
Se_2Ta(2s type)	0.13-0.15, 0.2				797 796# 1027
Se_2Ta(3s type)	0.16-0.22				797
Se_2Ta (See Table 3)					
SeTh			B1	1.13	1582

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
$Se_{1.05}Ti$			$B8_1$	1.13	1582
Se_8Ti_5			Data given	1.13	1582
Se_2V				1.0	675
Se_2V_{1+x}				0.05	797
Se_2W (See Table 3)					
Se_4Y_3			ORTHO	0.35	1965# 1370#
SeY	2.5-2.3		B1		1219
Se_4Zr_3			RHOMB	1.13	1582
Si			A4	0.073	103 333
Si			CUB	0.33	303 305
Si (P-120-130 kbar)	6.7, 7.1				540 1068#
$Si_{1-0}Sn_{0-1}V_3$	16.5-<3.8-3.8 17.1-6		A15		1369 1914
$Si_{1-0.75}Sn_{0-0.25}V_3$	17-11		A15		1983
Si_3Sr_2	~0.55		C_c		961
Si_2Sr			CUB	0.32	961
Si_2Ta				1.20	010 333 042
$Si_{0.4}Ta_{0.6}$				1.20	010
$Si_{0.28}Ta_{0.72}$				1.20	010
$Si_{0.16}Ta_{0.84}$				1.20	010
$Si_{0.35}Ta_{0.65}$			C16	010	1377
$SiTa_3$			TET		1958
$Si_2Th(\alpha)$	3.16		C_c		010 042 474
$Si_2Th(\beta)$	2.41		C32		010 474
Si_2Th_3			TET	0.1	927 010
Si_2Ti			C54	1.20	010 042 522
SiTi				1.20	010 042
Si_3Ti_5			$D8_8$	1.20	010 042 522
$SiTi_{0.15}V_{2.85}$	14.55				1976
Si_3U			$L1_2$	1.3	1677#
Si_2U_3			TET	0.1	927
Si_2U			C_c	0.35	270
SiU_3			TET	1.10	021
Si_2V				1.20	010
$Si_{0.4}V_{0.6}$				1.20	010
Si_2V_5			TET	0.35	270

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Si_{0.38-0}V_{0.62-1}$	12.5-16.3-5, 16.7 Max. (As cast) 14-16.6-7, 16.95 Max. (Annealed)				479 1466 1059
$Si_{0.3}V_{0.7}$	16.95		A15		707
$Si_{0.279-0.0036}V_{0.721-0.996}$	17.2-5.04		A15		1521 1469#
$Si_{0.263}V_{0.737}$	15.8		A15		32
$Si_{0.25}V_{0.75}$	17.1		A15		010 042 447 474 578 1945
$Si_{0.25}V_{0.75}$	17.0		A15		707 323 010
$Si_{0.25}V_{0.75}$	16.95-16.9	HF	A15		1073 645 1064 1164 310 1110 1075 877
$Si_{0.25}V_{0.75}$	16.86-16.8	HF	A15		880# 1013 1446 1013 1446 787 1101 010 1315# 316
$Si_{0.25}V_{0.75}$	16.65-14.5		A15		707 1369 890 1217# 1066 572# 545 465# 447 317 128 042
$Si_{0.25}V_{0.75}$(P=0-~18 kbar)	16.6-17.3		A15		1933 1342 094 1945 1013 1079
$Si_{0.25}V_{0.75}$(1000- 10^5 Å)	14.85-16.95	HF	A15		▽716 ▽460 ▽1410
$Si_{\sim0.2}V_{\sim0.7}$(with Al, B, Be, C, Ce, Cr, La, Mn, O, or Re)	16.6-<14		A15		323
$Si_{0.25}V_{0.65}$(Ti, Zr, Nb, Mo, Cr or Ru)$_{0.1}$					042 010
$Si_{0.15}V_{0.75}$(Al, B, C or Ge)$_{0.1}$					042 010
$Si_{0.206}V_{0.794}$	14.5		A15		323
$Si_{0.2}V_{0.8}$	7.51		A15		707
$Si_{0.245-0.205}V_{0.755-0.795}$	16-8.5		A15		1286
$Si_{0.22}V_{0.78}$	14.38		A15		144
$Si_{0.05-0}V_{0.95-1}$	2.95-5.2				1890#
Si_2W				1.20	010 042
$Si_{0.4}W_{0.6}$	2.84				010 042 474
Si_2Y			C32	0.35	025 270
$Si_{0.665}Y_{0.335}$			C_c	0.1	808# 676# 572#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0 (oersted)	Crystal Structure	T_n(K)	Refs.
SiY				1.15	711
Si_2Zr			C49	1.02	270 010 042
SiZr				1.20	010
$Si_{0.45}Zr_{0.55}$				1.20	010
Si_2Zr_3			TET	0.1	927 010
Si_3Zr_5			$D8_8$	1.1	262
$SiZr_2$			C16	0.06	1377
$Si_{0.2}Zr_{0.8}$				1.20	010
Sm			RHOMB	0.37	291
Sn			A4	0.1	363 104 108
Sn	3.722	305.5	A5		579# 580 785 749# 814 804 1153 1724# 539 206 267 318 024 001# 180 320 345 580# 1267 1043 329 205 180 104 108 318 361 405
Sn(II)(P=125, 160 kbar)	5.2, 4.85				785
Sn II		400(240 kbar) 375 (270 kbar)			785
Sn (III)(P=113 kbar)	5.30				780
Sn(P=0-32 kbar)	Data given	306-200			829
Sn(In porous media, 31Å, 39Å)	4.936, 4.248	HF			1642
Sn(Whiskers, 10,000-30,000Å)	3.562-3.765				1448 1546
Sn(Whiskers, 1% elastic strain)	3.5-4.0	350-390			1335
Sn(Whiskers, 1.7% strain)	T_c'(+0.45)				974
Sn(650-2000Å), grain size, 100-600Å)	2.84-4.66	HF			▽1967 ▽596 ▽1062 ▽723 ▽1645 ▽1229
Sn(850, 1580, 3420Å)	3.794, 3.847, 3.840				▽862
Sn(Deposited at 4.2K)	3.7-4.44	HF			▽1877
Sn(Deposited at 2K)	4.5 3.6(Annealed)				▽1218
Sn(<~200Å)	~0 Max.				▽837
Sn(~15-40Å)	4.2-5.9-4.5				▽1259
Sn(5400 and 8700A, 10.400Å)	3.88, 3.90				▽1268

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
Sn(Other thin film studies)					∇296 ∇373 ∇379 ∇371 ∇516 ∇532 ∇734 ∇602 ∇757 ∇750 ∇1069 ∇366 ∇392 ∇294 ∇1516 ∇347 ∇332 ∇294
$SnTa_3$(highly ordered)	8.35, 7	HF	A15		581 1462
$SnTa_3$(low order)	6.2	HF	A15		581
$SnTa_3$	5.6-6.4	HF	A15		1446 1362 473 185 139 124 034
$Sn_{0.26-0.1}Ta_{0.74-0.9}$	7.2-<4.2				581
$Sn_{0.174-0.104}Ta_{0.826-0.896}$	6.5-<4.2				581
$Sn_{0.25}Ta_{0.25}V_{0.5}$	2.8		A15		185 473
$Sn_{0.25}Ta_{0.5}V_{0.25}$	3.7		A15		473 185
$Sn_{0.35}Te_{0.65}$("Gun" cooled)	1.9		CUB		1829 813#
$Sn_{0.25}Te_{0.75}$("Gun" cooled)	1.7		CUB		1829
SnTe(See Table 4)					
Sn_3Th	3.33		$L1_2$		715
$SnTi_3$			DO_{19}	1.02	270
$Sn_{1-0.997}Tl_{0-0.003}$	T'_c(-0.052)				1032
$Sn_{1-0}Tl_{0-1}$	3.72-5.6-3.61-5.2-2.37				088 089 1108
$Sn_{0.65}Tl_{0.35}$(Prepared at 15 kbar, 170-305C)	6-7.1	HF			900
$Sn_{0.1}Tl_{0.9}$(Deposited 0.3K)	3.50 2.77(Annealed)				∇1900
Sn_3U			$L1_2$	1.3	1677#
Sn_3V_2				1.15	711
SnV_3	3.8, 3.050		A15		1369 1446 473 185
SnV_3	7.0		A15		128 117 124
$Sn_{0.057-0.02}V_{0.943-0.98}$	~1.6-2.87				514# 572#
$Sn_{0.025-0}V_{0.975-1}$	5.20-3.16				1890#
Sn_3Y_5				1.4	863 711
SnY_2				1.15	711
$Sn_{1-x}Zn$	T'_c(-0.037)	Data given			1618 318#
$Sn_{0.91}Zn_{0.09}$(Laminar period study)	3.668-3.722				726

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Sn_{1-0}Zn_{0-1}$	Data given				081 105 070
$SnZr_4$	0.92-0.79		A15		1015 572#
Sr			A1	0.017	270 1214
Sr(P=0-~150 kbar)				1.2	781
Sr(Deposited 4.2K, 100Å)	3.6	HF			∇710
Ta	4.463	831	A2		713# 188# 176# 180 324 342 1513 1209 505 169 1781 244 180 001 024 1816 911 324 525 572# 1267 1248 342 1230 465# 371 375
Ta(99.95%)		HF			510 1393
Ta(215-110,000Å)	<1.7-4.25	HF			∇1249 ∇719 ∇529 ∇505 ∇1787 ∇393
Ta(9000A, 1,000A)	4.45, 4.51				∇1199
Ta(200A, annealed 325C)	3.06		A1		∇1787
Ta(0.1-1% Xe)	1.48		A2		∇1526
$TaTe_2$				0.05	797 796# 675
$Ta_{1-0.3}Ti_{0-0.7}$	4.48-8.8-7.2	HF	A2		1209 1797 441 522 466 299
$Ta_{1-0.7}Ti_{0-0.3}$	4.3-6.5	HF			252
$Ta_{0.9-0.7}Ti_{0.1-0.3}$		HF			289 299 321 429
$Ta_{0.68-0.46}Ti_{0.32-0.54}$	8.02-8.26 (Annealed) 8.28-9.05 (Cold worked)				1209 252
$Ta_{0.52}Ti_{0.48}$	7.86	HF			874 1391 1797
$Ta_{0.05,0.025}Ti_{0.95,0.975}$	2.9-1.3		HEX		499
$Ta_{0.63}Ti_{0.30}Zr_{0.07}$		HF			1391
$Ta_{1-0}V_{0-1}$	4.33-2.73-5.17	769-573-1336			1307# 441
$Ta_{0.75}V_{0.25}$	2.65		A2		572#
$Ta_{0.5}V_{0.5}$	2.35		A2		572#
TaV_2				1.5	1400#
$Ta_{0.25}V_{0.75}$	2.80		A2		572#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_cK	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Ta_{0.06-0}V_{0.94-1}$	4.46-5.24				1704# 587# 572#
$Ta_{0.5-0}V_{1.5-2}Zr$	8.8-9.3-8.5				1323
$Ta_{0.05}V_2Zr_{0.95}$	8.9				1652
$Ta_{1-0.8}W_{0-0.2}$	4.4-1.2		CUB		253 441 572#
$Ta_{0.96-0.78}W_{0.04-0.22}$	3.30-1.36				1816
$Ta_{1-0}W_{0-1}$(Deposited 4.2K, amorphous)	1.6-3.5				∇1325
$TaXe_x$	1.48				∇1441
$Ta_{0.96}Zr_{0.04}$(Various anneals)	5.7-5.0				1790
$Ta_{0.2-0}Zr_{0.8-1}$	5.6-0.8(Discontinuity at $Ta_{0.15}$)				1969
$Ta_{0.15}Zr_{0.85}$	4.3(quenched) 3.25(Annealed)				1969
$Ta_{1-0.9}Zr_{0-0.1}$		HF			441
Tb			A3	0.37	291
Tc(RRR~100)	7.73, 7.77	1410, HF	A3		1161# 1138 1147 1537 1161 712 1656 556
Tc	7.46-9.3 11.2	HF			1180# 633 230 202 001 1336 615 102 163
Tc(0-15 kbar)	8.0-7.8				836
Tc(>150-1600Å)	4.6-7.70		A3		∇1685
Tc(<150Å)	4.8-7		A1		∇1685
$Tc_{0.44}Th_{0.56}$	5.3		C14		1149
$Tc_{0.95}V_{0.05}$	10.99	HF			1138
$Tc_{0.9}V_{0.1}$	11.32	HF			1138
$Tc_{0.8}V_{0.2}$	11.24	HF			1138
$Tc_{0.75}V_{0.25}$	11.07	HF			1138
$Tc_{0.7}V_{0.3}$(Annealing variations)	7-8.3 7-6.6	HF			1791 1138
$Tc_{0.7}V_{0.3}$(Quick cool)	6.41	HF			1138
$Tc_{0.65}V_{0.35}$	4.49	HF			1138
$Tc_{0.6}V_{0.4}$	4.17				1138
$Tc_{0.5-0.2}V_{0.5-0.8}$				1.39	1138
$Tc_{0.1}V_{0.9}$	1.50				1138
$Tc_{1-0.15}W_{0-0.85}$	8.35-10.4-3.3				1337

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_c(oersted)	Crystal Structure	T_n(K)	Refs.
$Tc_{\sim 0.9}W_{\sim 0.1}$	10.4				1337
$Tc_{0.6,0.5}W_{0.4,0.5}$	7.88, 7.52	HF			524
$Tc_{0.4-0.1}W_{0.6-0.9}$	7.18-1.25	HF	CUB		524
$Tc_{0.05}W_{0.95}$			CUB	~0.8	524
Tc_6Zr	9.7		A12		202
Tc_2Zr	7.6		C14		1149
Te			A8	0.05	1277 273
Te(II)(P=40-70 kbar)	2.5-3.9				1688
Te(II)	2.05(43 kbar) 3.4(50 kbar)	HF			909 1172 510
Te(III)(P=68-80 kbar)	4.28-4.15				909 1688
Te(IV)(P=80-100 kbar)	4.3-3.3				1688 909
Te(P=100-260 kbar)	3.3-2.8				1688
Te (See Table 4)					
TeTh			B2	1.13	1582
Te_2Ti				1.1	1583
Te_4Ti_3				1.13	1582
TeTi			$B8_1$	1.13	1582
Te_4Ti_5				1.13	1582
Te_3Tl_5	2.078, 2.14-2.23	HF			848 1440# 849
$Te_{0.1}Tl_{0.9}$(Deposited 4K, ~6000Å)	4.2 ~2.5(after anneal)				▿1932
Te_3Tl_5 (See Table 4)					
Te_2V_{1+x}				0.05	797 675
Te_3V_2(Room temp. phase)			MONO	1.13	1582
Te_2W(Room temp. phase)				0.3	1584
TeY	1.5-2.05		B1	1.02	1219 270
Te_3Zr				1.13	1582
Th(RRR=1200)	1.390	159.1 (Ref. 1291)	A1		1123# 1571# 1561 1563 1488 1291 802# 001 151 135 504 1267 791 1182# 1361#
Th(P=60-~160 kbar)	0.7-0.64				1488
$ThTl_3$	0.87		$L1_2$		715
$Th_{1-0.7}Tm_{0-0.3}$	1.37-0.67				768
$Th_{1-x}U_x$	1.36-0.07				951 1559

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Th_{1-0.998}U_{0-0.002}$	1.360-0.304	137.1-77.0			1563# 1226
$ThU_{0.00075}$	0.785				1227#
$ThU_{0-0.0012}$(P=0-~22 kbar)	1.36-0.55 (Lowers T_c)				1519 1227#
$Th_{1-0.65}Y_{0-0.35}$	1.28-1.64-1.53		A1		1182# 1361#
$Th_{0.55-0}Y_{0.45-1}$	1.2-1.8				234
$Th_{0.5}Y_{0.5}$	1.25				234
$Th_{0.4-0}Y_{0.6-1}$			HEX	1.2	1361 1182#
Th_2Zn	0.67		C16		1377
Ti	0.40	56	A3		253 490# 001 192 166 167 168 1002# 759# 1691 1071# 1061# 572# 554# 477# 130
Ti	2-3		A2		1691
Ti(ω)(120 kbar. 300K. low oxygen)			HEX	0.06	1691 097 1712
Ti(99.92%)	0.14	HF			523 688
Ti(Deposited 100-400°C, 100-7000Å)	1.3 Max.			1.3	∇1273 619
Ti(0.1-1% Xe)	2.52		A3		∇1526
Ti_4Tl			A15	0.35	980
TiU_2			C32	1.06	021 522
$Ti_{1-0.85}V_{0-0.15}$	0.6-4.4 0.6-6.6(Annealed)		HEX		301 274
$Ti_{0.975}V_{0.025}$	1.4		HEX		499
$Ti_{0.96}V_{0.04}$	2.7				477# 554# 572#
$Ti_{0.9}V_{0.1}$	6.3				253
$Ti_{0.85-0}V_{0.15-1}$	7.5-2.3	HF	CUB		253 572# 130 330# 838 218 289 399
$Ti_{0.775}V_{0.225}$	4.7	1100, HF			584 616
$Ti_{0.76}V_{0.24}$	4.382 (Quenched) 3.875 (Annealed) 5.089(Annealed)				1861
$Ti_{0.75}V_{0.25}$	5.3	1940, HF			584 616
$Ti_{0.7}V_{0.3}$	6.14				514#
$Ti_{0.615}V_{0.385}$	7.07	HF			600

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)	Crystal Structure	T_n(K)	Refs.
$Ti_{0.6}V_{0.4}$	7.0	HF			878
$Ti_{0.516}V_{0.484}$	7.20	HF			600
TiV	6.09	HF			466 455 522 195 130
$Ti_{0.5-0}V_{0.5-1}$	6.7-5.3	1250-1050			314
$Ti_{0.42}V_{0.58}$	7.52, 7.49	HF			874 600
$Ti_{0.4-0}V_{0.6-1}$	7.5-5.2	HF	A2		441#
$Ti_{0.12}V_{0.88}$		HF			688
$Ti_{0.09-0.03}V_{0.91-0.97}$		HF			688
$Ti_{0.013}V_{0.987}$	12.8				▽1956
$Ti_{0-0.8}V_{1-0.2}$(~3000Å)	5.3-12.8-~6				▽1956
$Ti_{0.33}V_{0.33}Zr_{0.33}$	6.6 Max.				▽1438
$Ti_{0.17}V_{0.5}Zr_{0.33}$	7.6 Max.				▽1438
$TiXe_x$	2.52				▽1441
$TiZn_2$			C14	1.02	270
$Ti_{0.8}Zr_{0.2}$			HEX	1.0	253 572#
$Ti_{0.66}Zr_{0.33}$	1.36		HEX		253
$Ti_{0.5}Zr_{0.5}$	1.23(Annealed) 2.0(quenched)				477
$Ti_{0.5}Zr_{0.5}$	1.65, 1.60, 1.57				1061# 759# 253 572#
$Ti_{0.33}Zr_{0.66}$	1.35		HEX		253
$Ti_{0.25}Zr_{0.75}$					572#
$Ti_{0.18}Zr_{0.82}$	1.03		HEX		253
$Ti_{0.1}Zr_{0.9}$			HEX	1.0	253
Tl(α)	2.38	176.5	A3		527# 1378 1145 760 001# 024 1155 1267 1308 1923# 1156
Tl(β)	2.332	181	A2		1378
Tl(In porous media, ~100-~32-~22Å pores)	T_c'(0,+0.21,+0.17				1614
Tl(In porous media, 32, 58Å)	2.649, 2.612	HF			1642
Tl(P=0-27 kbar)	T_c'(+0.02-0.25)				998
Tl(35 kbar)	1.95		A3		641#
Tl(35 kbar)	1.45		A1		641#
Tl(25-48 kbar)	1.38-1.5				641 ▽1900

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_0(oersted)		T_n(K)	Refs.
Tl(Deposited 0.3K, 100-500Å)	2.96 2.40 (after 300-330K)				∇1900
Tl(Deposited 4K, 2900Å)	2.33-2.9	HF			∇1925 ∇1932 ∇1877 ∇220 ∇376 ∇1069
Tl(In Ne, Xe, 150Å, deposited ~80K)	2.6				∇1069 ∇1229
Tl(<100Å at 105K)	2.64 2.72(Oxidized)				∇1062
$Tl_{1-0.7}Sb_{0-0.3}$	2.905-~5.3- 4.198	HF			1378
TlV_3			A15	4.2	825
Tl_3Y	1.52		$L1_2$		715
$Tl_{0.9988}Zn_{0.0012}$	T'_c(+~0.002)	Data given			1095 1108
$Tl_{0.9}Zn_{0.1}$(Deposited 0.3K)	3.63 2.60(after 300-330K)				∇1900
$TlZr_4$			A15	0.35	980
Tm			A3	0.35	270
U(α)			A20	0.1	1487 802# 1152 724 701 703 702 698 504 177# 027 157 001 021 1252 1779 629
U(10 kbar)	2.1, 2.4				1487 1495 1416 879 724 570
U(10, 40, 70, 85 kbar)	2.1, 1.3, 0.8, 0.4				1487 879
U(90-160 kbar)				0.35	1487
U(2, 12, 24 kbar)(α)	1, 2.4, 1.5				1495
U(1, 9 kbar)	0.2, 2.0	HF			1416
$U_{0.37-0.14}Zr_{0.63-0.86}$				1.00	134 021
V(RRR=430)	5.43	1408, HF	A2		1162 1719 742# 788 572# 1935 1549
V(RRR=140, 150)	5.37, 5.38	HF	A2		1639 742# 572# 525
V(RRR=33, -)	5.1-5.31	1020, HF	A2		548 1979 578 366 917# 617 001 1515 1002#

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
V	4.59-5.06	1310, HF	A2		917# 024# 016 130 572# 001# 1106 548 157
V(5000Å, 11,000Å)	5.14, 6.02	HF			∇1199 ∇1444
V	1.8-4.8				∇297 ∇313
V (See Table 3)					
V(0.1-1% Xe)				1.1	∇1526 ∇1441
V(P=0-24 kbar)	5.47-~5.6				1248 727
V(RRR=285, P=0-250 kbar)	5.5-7.15				1690
VZr_3			$L1_2$	1.02	270
$V_{0.1-0.9}Zr_{0.9-0.1}$	6.5-8.3-7.6	HF			889 1981
$V_{0.7}Zr_{0.3}$	8.6		C15		1189
V_2Zr	8.5, 8.2		ORTHO		1323 1400# 1306
V_2Zr	8.8, 9	HF	C15		173 1189 1981
$V_{0.6}Zr_{0.4}$	8.3				889
$V_{0.4}Zr_{0.6}$	~7.8	HF			889 678
$V_{0.09-0.06}Zr_{0.91-0.94}$	7.0-<4.2	HF			1306
W(RRR-57,000	0.0154	1.15	A2		887# 1494# 840# 1830 882# 493# 526 572# 179# 103 033
W(~2000Å, ~20-310Å) (Function of oxygen content)	3.1-3.3 1.7-4.1 <1.0-3.2	HF	A15		∇671 ∇1397 ∇1042 ∇921 ∇541 ∇503
W(with 0.1-1% Ne, Ar, Kr, Xe)	3.02, 3.7, 4.2, 5.5		A2		∇1526 ∇1441
W_2Zr			C15	0.033	1988 1586 956 173 956
$W_{0.04-0.8}Zr_{0.96-0.2}$	2.9-3.9-2.0 (Sharp dip of T_c at $W_{0.669}$)		CUB		956
Xe_xY				1.1	∇1441
Xe_xZr	4.0				∇1441
Y			A3	0.005	1367 1361# 1350# 1182# 781 660 472 023 132 234 972 812# 808# 676# 572# 465# 234 179

TABLE 2 (Cont'd). Properties of Superconductive Materials

Material	T_c(K)	H_o(oersted)	Crystal Structure	T_n(K)	Refs.
Y(Sputtered, 0.1-1% Xe)			A3	1.1	▽1526
Y(110-125-160 kbar, 99.9%, RRR≈8)	1.3, 2.3-1.7-2.5				472 781 612
Y(0-110 kbar)				0.1	472
YZn			B2	0.33	658
$Y_{0.5-0}Zr_{0.5-1}$(Deposited 4.2K, amorphous)	1.5-3				▽1325
Yb			A1	0.35	270 291 339 235 1338
Yb(RRR=100)			A3	0.015	1338#
Zn(99.9999%)	0.857	54.1	A3		1475 1778# 1835 1000 1604 1256 001 506# 236 390 156# 1609 829 024 1267 1061# 820#
Zn(P=0-26.5 kbar)	0.87-0.33	55-19			829
Zn(∼30Å->1000Å)	∼1.9, 1.70-1.27				▽1860 ▽837
Zn(Deposited <2K)	1.31-1.48 (Disordered) 0.77-0.84 (Annealed)				▽1310 ▽1467
Zn_2Zr(Ta impurity)			C15	0.1	741
Zr(α)	0.7, 0.6, 0.66, 0.52	47	A3		549 253 1817 744# 551 001# 1558 1061#
Zr(α)	0.75, 1.1, 0.487				032 1558 1691 572# 972# 956
Zr(ω)(Induced by P>60 kbar, low-O_2, metastable)	0.72, 0.95, 0.65		HEX		1817 1691 549
Zr(ω)(P=60-∼130 kbar)	1-1.7		HEX		1817 956
Zr(Deposited 100-400C, >1500Å)	∼1.3				▽1273
Zr(0.1-1% Xe)	4.0		A3		▽1526

TABLE 3. Properties of Superconductive Materials with Organic and Related Constituents
NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
Al(and tetracyanoquino-dimethan)	2.7-5.24 1.9-3.7(annealed)				∇1078
Be(with KCl layers; deposit 4.2K)	10.6-6.5				∇1028
Be(with zinc-etioporphyrin; deposit 4.2K; $\gtrsim$ 500 Å)	10.2				∇1028
$CaH_{18}N_6$				1.9	010
$H_{12}LiN_4$				1.9	010
In (with Anthraquinone, 5000Å)	3.4-4.6				∇1076 ∇1528
$MoS_2Ba_{0.2}(NH_3)_x$	5.7		HEX		1918
$MoS_2Ca_{0.2}(NH_3)_x$	3.6		HEX		1918
$MoS_2Sr_{0.01-1}(NH_3)_{0.01-1.62}$	5.2-4.9				1918
$MoS_2Yb_{0.1}(NH_3)_{0.16}$	2.4		HEX		1918
$MoSe_2Sr_{0.2}(NH_3)_x$	5.0		HEX		1918
NS	0.26				1986 1975#
NbS_2 (Ammonia)	2.0		HEX		1192
NbS_2 $(Aniline)_?$	4.0		HEX		1192
NbS_2 $(S\text{-collidine})_{0.17}$	3.5		HEX		1192
NbS_2 $(pyridine)_{0.5}$	4.0		HEX		1192 1027
NbS_2 $(tributylphosphine)_{0.125}$	3.5		HEX		1192
Nb_3Sn (with CO_2, CO, CH_3, N_2, O_2, ammonium, boron tricloride, ethane, hydrogen sulfide, nitrogen oxide, propane)		HF			1169 1168 ∇1437
$PdTe_2$ $(pyridine)_{0.5}$	1.65				1027
$S_{2-1}Se_{0-1}Ta$ $(pyridine)_{0.5}$	0.8-3.3-1.6		HEX		1910
S SeTa (pyridine)	1.5	HF	HEX		1262
S_2Ta $(2\text{-aminopyridine})_{0.53}$	3.25		HEX		1128
S_2Ta $(4\text{-aminopyridine})_{0.51}$	3.4		HEX		1128
S_2Ta (ammonia)	4.2		HEX		1192
S_2Ta (ammonium acetate)	2.0		HEX		1192
S_2Ta (ammonium hydroxide)	3.3		HEX		1192
S_2Ta (amylamine)	2.2				1192
S_2Ta (aniline)	3.1		HEX		1192
S_2Ta $(aniline)_{0.75}$	3.1		HEX		1192

TABLE 3 (Cont'd). Properties of Superconductive Materials with Organic and Related Constituents

NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
S_2Ta (barium hydrate)$_{0.15}$	3.74	150	HEX		1845
S_2Ta (butylamine)	2.5		HEX		1192
S_2Ta (butyramide)	3.1		HEX		1192
S_2Ta (calcium$_{(0.3)}$hydrate)	3.47				1770 1845
S_2Ta (calcium$_{(0.15)}$hydrate)	3.47	130	HEX		1845
S_2Ta (cesium$_{(0.3)}$hydrate)	2.75, 2.80	110	HEX		1845 1770
S_2Ta (cesium hydroxide)	3.8		HEX		1192
S_2Ta (s-collidine)$_{0.17}$	2.0, 1.95		HEX		1192 1871
S_2Ta (2,6-diaminopyridine)$_{0.53}$	3.50		HEX		1128
S_2Ta (2-dimethylaminopyridine)$_{0.32}$	3.15		HEX		1128
S_2Ta (4-dimethylaminopyridine)$_{0.34}$	2.30		HEX		1128
S_2Ta (N,N-dimethylaniline)	4.3		HEX		1192
S_2Ta (2,6-dimethlpyridine)$_{0.20}$	2.15		HEX		1128
S_2Ta (4,4'-dipyridyl)	2.5		HEX		1192
S_2Ta (ethylamine)	3.3		HEX		1192
S_2Ta (2 ethylpyridine)$_{0.29}$	3.0		HEX		1128
S_2Ta (3-ethylpyridine)$_{0.29}$	4.50		HEX		1128
S_2Ta (4-ethylpyridine)$_{0.33}$	2.95		HEX		1128
S_2Ta (hexanamide)	3.1		HEX		1192
S_2Ta (hydrazine)	4.7		HEX		1192
S_2Ta (hydrogen)$_{0-0.87}$	0.8-4.2-<0.5				1871
S_2Ta (2-isopropylpyridine)$_{0.25}$	3.80		HEX		1128
S_2Ta (4-isopropylpyridine)$_{0.28}$	2.82		HEX		1128
S_2Ta (isoquinoline)	2.5		HEX		1192
S_2Ta (lithium hydrate)$_{0.3}$	3.83	170	HEX		1845
S_2Ta (lithium hydroxide)	4.5		HEX		1192
S_2Ta (methylamine)	4.2		HEX		1192
S_2Ta (2-methylpyridine)$_{0.34}$	2.95		HEX		1128
S_2Ta (3-methylpyridine)$_{0.33}$	2.95		HEX		1128
S_2Ta (4-methylpyridine)$_{0.33}$	2.70		HEX		1128
S_2Ta (octadecylamine)	3.0		HEX		1192

TABLE 3 (Cont'd). Properties of Superconductive Materials with Organic and Related Constituents
NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
S_2Ta (pentadecylamine)	2.8		HEX		1192
S_2Ta (p-phenylenediamine)	3.3		HEX		1192
S_2Ta (p-phenylenediamine)$_{0.25}$	2.9		HEX		1192
S_2Ta (2-phenylpyridine)$_{0.255}$	3.15		HEX		1128
S_2Ta (4-phenylpyridine)$_{0.26}$	1.6		HEX		1128
S_2Ta (picoline)$_{0.34}$	2.70		HEX		1871
S_2Ta (potassium formate)	4.7		HEX		1192
S_2Ta (potassium$_{(0.3)}$hydrate)	5.25	230	HEX		1845 1770
S_2Ta (potassium hydroxide)	5.3		HEX		1192
S_2Ta (propylamine)	3.0		HEX		1192
S_2Ta (4-propylpyridine)$_{0.25}$	2.75		HEX		1128
S_2Ta (2-propylpyridine)$_{0.245}$	2.85		HEX		1128
S_2Ta (pyridine)$_{0.5}$	3.5	HF	HEX		1192 1027
S_2Ta (pyridine)$_{0.5}$	3.55		HEX		1128 1871
S_2Ta (pyridine)$_{0.5}$	3.25	HF			1262 1430
S_2Ta (pyridine-N-oxide)	2.5		HEX		1192
S_2Ta (pyridinium chloride)	3.1		HEX		1192
S_2Ta (quinoline)	2.8		HEX		1192
S_2Ta (rubidium$_{(0.3)}$hydrate)	4.40	210	HEX		1845 1770
S_2Ta (rubidium hydroxide)	4.3		HEX		1192
S_2Ta (septadecylamine)	2.7		HEX		1192
S_2Ta (sodium$_{(0.3)}$hydrate)	5.41	250	HEX		1845 1770
S_2Ta (sodium hydroxide)	4.8		HEX		1192
S_2Ta (stearamide)	3.1, 3.0		HEX		1192
S_2Ta (strontium$_{(0.2)}$ ammonium)	2.8		HEX		1918
S_2Ta (strontium$_{(0.15)}$ hydrate)	4.03	190	HEX		1845
S_2Ta (tetradecylamine)	2.4		HEX		1192
S_2Ta (N,N,N',N'-tetramethyl-p-phenylenediamine)	2.9		HEX		1192
S_2Ta (thiobenzamide)	3.3		HEX		1192
S_2Ta (tributylamine)	3.0		HEX		1192
S_2Ta (tributylphosphine)$_{0.125}$	2.0		HEX		1192
S_2Ta (tridecylamine)	2.5		HEX		1192

TABLE 3 (Cont'd). Properties of Superconductive Materials with Organic and Related Constituents

NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_o (oersted)	Crystal Structure	T_n(K)	Refs.
S_2Ta (2,4,6-trimethyl-pyridine)$_{0.165}$	1.95		HEX		1128
S_2Ta (triton B)	5.0		HEX		1192
S_2Ta (valeramide)	2.9		HEX		1192
$S_2Ta_{0.8}W_{0.2}$(s-collidine)$_{0.17}$	2.0		HEX		1192
$S_2Ta_{0.3}W_{0.7}$(s-collidine)$_{0.17}$				~0.4	1192
S_2Ti (ammonia)			HEX	0.3	1192
S_2Ti (aniline)			HEX	0.3	1192
S_2Ti (s-collidine)$_{0.17}$			HEX	0.3	1192
S_2Ti (pyridine)$_{0.5}$			HEX	0.3	1192
S_2Ti (tributylphosphine)$_{0.125}$			HEX	0.3	1192
S_2W (strontium$_{(0.2)}$ ammonium)	3.5		HEX		1918
S_2W (ytterbium$_{(0.4)}$ ammonium)	2.2		HEX		1918
S_2Zr (ammonia)			HEX	0.3	1192
Se_2Ta (pyridine)$_{0.5}$	1.5		HEX		1027
Se_2W (strontium$_{(0.2)}$ ammonium)	~1.4		HEX		1918
V (co-deposited with organic compounds, 50-200Å)	T_c'(+~0.1, -~0.1)				∇1802

TABLE 4. Properties of Semiconductive Superconductive Materials

NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_0 (oersted)	n	Crystal Structure	T_n(K)	Refs.
$Ag_{0.2}In_{0.8}Te$	1.00- 0.77		$1.07x10^{22}$	B1		470
$Ag_{0.1}In_{0.9}Te$	1.89- 1.20		$1.40x10^{22}$	B1		470
$Ag_xMn_ySn_{0.97-x-y}Te$	1.85- 1.3		$3.5x10^{21}$	B1		470
	1.8- 1.1		$2.8x10^{21}$	B1		1246
	1.7- 0.5		$2.2x10^{21}$	B1		
$Ag_{0.10}Mn_ySn_{0.97-y}Te$	2.0- 1.3					1246
$Ag_xSn_{0.97-x}Te$	0.12- 1.1 (Sintered) 0.2-2 (As cast)		$1x10^{21}$- $8x10^{21}$	B1		1246
$Ag_{0.1}Sn_{0.87}Te$			$6.53x10^{21}$			1566#
$As_{0.04}Ge_{0.15}Te_{0.81}$	0.82	HF	$\approx 10^{20}$		0.38 (when quenched)	1447
$As_{0.01}Ge_{0.49}Te_{0.50}$				Data given	0.40	1447
$As_{0.01}Ge_{0.48}Te_{0.51}$	0.43					1447
$As_{0.33}InTe_{0.67}$	1.15- 0.85		$1.24x10^{22}$	B1		470
$As_{0.5}InTe_{0.5}$	0.62- 0.44		$0.97x10^{22}$	B1		470
AsSn	3.5 3.65- 3.41		$1.4x10^{22}$ $2.14x10^{22}$			1605 470
AsSn	2.90			B1		1542#
$As_3Sn_{3.8}$	1.23- 1.19		$3.0x10^{22}$			930
$As_{\sim 2}Sn_{\sim 3}$	3.6, 1.2					470
As_3Sn_4	1.19- 1.16		$0.56x10^{22}$	RHOMB		470
$As_{0.022-0.005}Sn_{0.97}Te_{0.978-0.995}$	0.033- 0.108		4.0- $13.3x10^{20}$			1605
$AuTe_2$			$2.5x10^{21}$		0.051	770

TABLE 4 (Cont'd). Properties of Semiconductive Superconductive Materials

NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_o (oersted)	n	Crystal Structure	T_n(K)	Refs.
$Ba_{0.025-0.125}O_3Sr_{0.975-0.875}$	0.53-<0.10	HF	0.05-34×10^{19}			1005 611 988#
BaO_3Ti			1.3×10^{20}		0.059	770
Bi_2Te_3			1×10^{21}		0.019	770
Bi_2Te_3 (Phase I, 65-75 kbar)	1.6-3.0		1.5×10^{18}			1280
Bi_2Te_3 (*Phase II, 70-100* kbar)	4.3-3.6		1.5×10^{18}			1280
Bi_2Te_3 (Phase IV, 77-100 kbar)	2.8-3.0		1.5×10^{18}			1280
Bi_2Te_3			1.5×10^{8}		≈2	1280
$BiTe_2Tl$	0.14	HF	~6×10^{20}	RHOMB		1139
$Ca_{0.025-0.3}O_3Sr_{0.975-0.7}Ti$	<0.05-0.55	HF	0.06-74.0×10^{19}			1005 611
CaO_3Ti			3.7×10^{19}		0.10	770 1005
$CoGe_2$					0.051	770
CuS_4Ti_2				$H1_1$	0.05	984
GaP			1×10^{19}	B3	0.051	770 558
GaN					2.0	433 528 770
$Ge_xSn_{1-x}Te$	2.1-<1.4		1.1-1.6×10^{20}			1489
$Ge_{1-x}Te$	0.07-0.31	HF	8.6-1.6×10^{20}	B1		482 623# 431 807# 501 813#
GeTe (Ag doped)	0.21, 0.41		27, 64×10^{20}			481 1447 770#
$Ge_{1.006}Te$			7.5×10^{20}		0.002	501 181
$Ge_{\sim3}Te_{\sim4}$ (Metastable high P phase)	1.8-1.55		1.06×10^{22}	RHOMB		470
InSb (Abraded)	4.4-4.9		10^{13}-10^{15}			1555
$In_{0.02-0.1}Sn_{0.98-0.9}Te_{1.01}$	<0.36-1.05-1.7		0.2-2.3×10^{21}	B1		1857 1931# 770

TABLE 4 (Cont'd). Properties of Semiconductive Superconductive Materials

NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_o (oersted)	n	Crystal Structure	T_n(K)	Refs.
In_3Te_4 (Metastable P phase)	1.25- 1.15		0.47×10^{22}	RHOMB		622
$In_{1.15}Te$	2.60- 2.35		1.34×10^{22}	B1		515
$In_{1.15-0.82}Te$	1.02- 3.45 (Broad)		1.34- 1.71- 0.83×10^{22}	B1		515 506 470
$In_{1.015}Te$	3.51- 3.25		1.67×10^{22}	B1		515
$In_{0.82}Te$	1.06- 1.02		0.83×10^{22}	B1		515
$K_{0.1}O_3Sr_{0.9}Ta_{0.1}Ti_{0.1}$			4.8×10^{19}		0.051	770
$La_{0.01}O_3Sr_{0.99}Ti$			3.1×10^{20}		0.078	770
LaS_2				CUB	Checked	1370 1965
$La_{3-2}Se_{4-3}$	10-1		5.5- 1×10^{21}	$D7_3$		1292 770#
$Mn_ySn_{0.97}Te$	0.187- <0.040		1.13- 1.39×10^{21}			1246
O_3NbSr			2.7×10^{21}		0.044	770
O_3SrTi	0.05- 0.47		10^{18}-10^{21}	$E2_1$		621 770#
O_3SrTi	<0.05- 0.295		6.9×10^{18}- 5.5×10^{20}			709 1566#
O_3SrTi	<0.08- 0.4-0.3		1.3×10^{19}- 2.2×10^{20}			935
O_3SrTi	0.10- 0.30	HF	1.7×10^{19}- 2.3×10^{20}	$E2_1$		1005 770#
O_3SrTi	0.12- 0.37	HF	1.7×10^{19}- 1.2×10^{20}			611
O_3SrTi (P study)	0.185, 0.27		2.5×10^{19}			884 1127
O_3SrTi	0.4		2.6×10^{19}			610
O_3SrTi	0.24- 0.28		2.7- 6.3×10^{19}	$E2_1$		884 610
O_3SrTi	0.30, ~0.25		2.2- 2.5×10^{20}			884 610
O_3SrTi	0.33, 0.43, 0.47	HF	$\sim10^{20}$			594#

TABLE 4 (Cont'd). Properties of Semiconductive Superconductive Materials

NOTE: "HF" Signifies high-magnetic-field data in Table 5.

Material	T_c(K)	H_c (oersted)	n	Crystal Structure	T_n(K)	Refs.
$P_{0.4}Sn_{0.6}$	1.24- 1.10		2.2×10^{22}			930
$Pb_{0-0.12}Sn_{1-0.88}Te$	2.1- 2.8- 1.85		1.1-1.6- 0.1×10^{20}			1489
$Pb_{0.25-0.45}Sn_{0.75-0.55}Te$	0.064- 0.012		5.3- 2.5×10^{20}			1674
PbTe			10^{18}-10^{19} 5.0×10^{20}		0.009	770
$PtSb_2$			3.7×10^{20}		0.037	770
SbSn	1.60		2.9×10^{22}			1605
$Sb_{0.005-0.01}Sn_{0.97}Te_{0.995-0.99}$	0.022- 0.068		0.365- 1.04×10^{21}			1605
SbTe			5.0×10^{20}	B1	0.051	770
SnTe	0.065- 0.207		1.05- 2×10^{21}	B1		1605 770#
SnTe	0.01- 0.214	HF	0.3- 2×10^{21}	B1		1605 1022 687
$Sn_{0.990-0.965}Te$	0.024- 0.0168		0.463- 1.34×10^{21}	B1		1605 1566#
$Sn_{1-x}Te$	0.07- 0.22		1.05- 2×10^{21}	B1		482 770#
	0.02- 1.1		0.4- 7.5×10^{21}			
Te (P=40-70 kbar)	2.05		$1-4 \times 10^{18}$			909
Te_3Tl_5	2.14, 2.19- 2.23	HF	$>2 \times 10^{21}$	CUB		848

TABLE 5. Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials(Mainly Type II)
NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{0bs}(K)	Refs.
$Ag_{0.167}Al_{0.833}$	0.88 (Quenched)			0.242		0.44	1413 1766 1846
	0.84-0.86 (Annealed)			0.132-0.172			
$Ag_{0.035}Cd_{0.01}Sn_{0.955}$ (weight fractions)	3.65			0.232		1.3	1917
$Ag_{0.015}Pb_{0.975}Sn_{0.01}$ (weight fractions)	7.25			1.108		1.3	1917
Al	1.175			Data given	Data given		1846
Al (1000-30Å)	1.2-2.5			2-50			▽1460 ▽1708
Al ("granular," <40-1000 Å)	3.74-<1.26			⊥>12 ‖>23		0	▽1294 ▽1502
Al (920-38Å)	1.24-2.47			‖0.56-56 (angle dependence)		0	▽1634
Al_2CMo_3	9.8-10.2	0.091	1.7	156		1.2	571
Al_2CMo_3	9.2			101		4.2	966#
$Al_2Ce_xLa_{1-x}$				Data given			1422
$AlCe_{0-0.017}La_3$	6.0-1			27 (Ce_o)		0	1887#
Al ("getter sputtered," 5000 Å)				⊥ Data given			▽1451
$Al_{0.5}Ga_{0.5}Nb_3$	19.0			310		4.2	1339
$Al_{0-0.13}Ga_{0.13-0.32}V_{0.68-0.72}$	>14.5-<6			160-90		4.2	1720
$Al_{3-2.94}Gd_{0-0.06}La$	6.16-2.05			1.3-13.6		0	918
$Al_2Gd_{0-0.004}La_{1-0.996}$	3.20-1.52			3.2-0.45		0	1262
$Al\ Gd_{0-0.009}La_3$	6.0-1			27(Gd_o)		0	1887 1364
$Al_{0.57}Ge_{0.23}Nb_3$				440		0	1483
$Al_{0.61}Ge_{0.23}Nb_{3.2}$				410		4.2	787
$Al_{0.64}Ge_{0.2}Nb_{3.16}$	20.7			410		4.2	1339
$Al_{0.75}Ge_{0.25}Nb_3$	18.5			420		4.2	789 896 876
$Al_{0.8}Ge_{0.2}Nb_3$	19.1-17.8	Data given					823
$Al_xGe_{1-x}Nb_3$				304		0	▽1483

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Al_{0.8}Ge_{0.2}Nb_3$	17.4-16.6			290 188		0 4.2	∇1525
$Al_{0.8}Ge_{0.2}Nb_3$(5000Å)	16.0			>210			∇1174
$Al_{0.8}Ge_{0.2}Nb_3$(2000Å; 4000Å)	10.7, 11.4			130, 180		4.2	∇706
Al_2La				≈2.5		0	1422
$AlLa_3$	6.16			7.92		0	943
$AlLa_3$	6.16			11.57		?	918
$AlLa_3$	6.16, 6.0			27		0	1887# 1364
$Al_2La_{1-x}Tb_x$	3.24-0.6			Data given			1678
$Al_{0.5}Mo_5S_6Sn$	14.4			~560, 315		0	1664 1725 1597
$Al_{0-0.12}Mo_{6.35}S_8Sn_{1.2}$	11.8-14.3			~320- 400		0	1759
$Al_{0.2}Mo_5S_6Sn$				270		4.2	1759
$AlNb_3$				325		0	1483 316 1551
$AlNb_3$	≈18.7, 18.6			295		4.2	787 1339 1075 1551 1660 447
$AlNb_3$	17.14			246		0	880
$AlNb_3$				(T_c vs H_{c2})			1421
$AlNb_3$	17.4			80		14.5	1753
$AlNb_3Ni_{0-0.01}$ (weight fractions)	17.4-17.7- 15.5			80 ($Ni_{0.01}$)		12	1753
$Al_{0.042}Nb_{0.895}O_{0.063}$	7.1			75		0	1667
$Al_{0.012}Nb_{0.97}O_{0.018}$	8.3			42		0	1667
Al-Al_2O_3 ("getter sputtered," 2000-319,000Å)	1.63-2.69			⊥Data given			∇1451
$Al_{0.0015}Sn_{0.9985}$				0.0175		3.595	850
$Al_{0.85}Zn_{0.15}$				0.055 (0.040- 0.070)		0.90	1793
$As_{0.04}Ge_{0.15}Te_{0.81}$ ($p \simeq 10^{20}$)	0.82			2.3		0	875 1447

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Au_{0.24}La_{0.76}$	3.3			~35		1.9	1908
$Au_{0.24}La_{0.76}$ (crystalline)	4.0			~23		1.8	1908
AuV_3	0.86-2.98			22-37		0	707 1160
AuV_3	2.55			~9		2.25	857
$BCMo_2$	7.1			28		4.2	966#
Ba (Deposited 4.2K, 100 Å)	3.0			5.05		0	▽710
$Ba_xO_3Sr_{1-x}Ti$	<0.1-0.55	0.0039 Max.				0	611 1005
Be	6.5-~10			~180		0	▽1679 ▽550
Be (Deposited 4.2K, 100-2000 Å)	9.2-1.7			9.49		0	▽710
$Be_{22}Mo$	2.545			0.11		1.7	1922
$Be_{22}Re$	9.33 9.55 (Annealed)			3.4 3.4	5.9	4.17 4.17	1390
$Be_{22}Re_{0.95}Os_{0.05}$	9.2			3.5		4.17	1390
$Be_{22}Re_{0.99}Ru_{0.01}$	9.2			3.55		4.17	1390
$Be_{22}Re_{0.95}W_{0.05}$	9.45			4.1		4.17	1390
$Be_{22}W$	4.12			0.28		1.7	1922
Bi (III)	6.55			11.75, 9.91		0	973 437
Bi (II)				Data given			437
Bi				~200		0	▽1679 ▽1541
$Bi_{0.28}Cd_{0.19}In_{0.53}$ (weight fractions)	5.85			2.135		1.3	1917
$Bi_{0.5}Cd_{0.1}Pb_{0.27}Sn_{0.13}$				>22 >24		4.24 3.06	402
$Bi_{0.54}Cd_{0.20}Sn_{0.26}$ (weight fractions)	3.69			0.60		1.3	1917
$BiIn_2$ (Intrinsic Type II)	5.87		0.590 (0K)	1.25		1.5	1978
$Bi_{0.0155-0.05}In_{0.9845-0.95}$	>3.4-4.25	0.29-0.323	0.276-0.544	0.29-1.682		0	1650
$Bi_{0.02}In_{0.98}$	3.845			0.16	0.25	3.15	1612 666

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
Bi_xIn_{1-x} (2000Å)				Data given	Data given		▽1089 ▽1619
Bi_2K (0-10 kbar)	3.57			Data given			897
$Bi_{0.63-0.25}Pb_{0.37-0.75}$				Data given			1102 402 404 406
$Bi_{0.56-0}Pb_{0.44-1}$				13.8-0.55			855 1288
$Bi_{0.5}Pb_{0.5}$	8.4			>15		1.5	384 080 310
$Bi_{0.4-0.025}Pb_{0.6-0.975}$		0.141-0.105-0.44	0.909-0.57	17.7-0.94		4.2	949 677
$Bi_{0.35}Pb_{0.65}$	8.7			14.6-22		4.22-1.88	403 404 406
$Bi_{0.3}Pb_{0.7}$	8.63			35		0	1318
$Bi_{0.2}Pb_{0.8}$	8.15			~20		4.24	402 404
$Bi_{0.099}Pb_{0.901}$		0.3		2.8, >14			322 402 404 348
$Bi_{0.07}Pb_{0.93}$	7.7			2.32, >5		3.06	402 404 685
$Bi_{0.02}Pb_{0.98}$		0.46		0.73			322
$Bi_{0.7-0.95}Pb_{0.3-0.05}$ (0-20 kbar)	8-5, 5-6			33-34			1746
$Bi_{0.4}Pb_{0.6}$ (In porous glass, ~60, 32, 20Å)	7.8, 8.4, 6.2			104, 196, 230		0	1716 1459
$Bi_{0.4}Pb_{0.6}$ (In porous glass, ~32 Å)				186 125		0 4.2	1045 1459 1319
$Bi_{0.56}Pb_{0.44}$ (In porous glass, 32Å)				178 113		0 4.2	1045 1459
$Bi_{0.3}Pb_{0.7}$ (In porous glass, 29, 32, 52Å)	7.2-7.85			179, 150, ~80		0	1459 1045
$Bi_{0.25}Pb_{0.75}$ (Deposited 4.2K, 1260Å)	6.9			145		1.7	▽1949 ▽1774 ▽750
BiPbSb (In porous glass, 32Å)	7.83			187		0	1459
BiPbSb (In porous glass, 57Å)	8.15			103		0	1459
$Bi_{0.46}Pb_{0.24}Sb_{0.3}$ (In porous glass, 32 Å)	8.16			187		0	1459

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Bi_{0.26}Pb_{0.48}Sb_{0.26}$ (In porous glass, 32 Å)	7.5			180		0	1459
$Bi_{0.19}Pb_{0.63}Sb_{0.19}$ (In porous glass, 32Å)	7.32			170		0	1459
$Bi_{0.08}Pb_{0.84}Sb_{0.08}$ (In porous glass, 32Å)	7.2, 6.9			110, 170		0	1459
$Bi_{0.525}Pb_{0.32}Sn_{0.155}$ (weight fractions)	8.68			19.85		1.3	1917 402
$Bi_xPb_{1-2x}Tl_x$	7.204-7.376			Data given			1713
$Bi_{0.6}Sn_{0.4}$ (P=25 kbar; Metastable)	7.0			4.50		4.2	1091
$Bi_{0.57}Sn_{0.43}$ (weight fractions)	2.25			0.383		1.3	1917
$Bi_{0.5}Sn_{0.5}$ (P=25 kbar; Metastable)	7.2			4.7		4.2	1091
$Bi_{0.4}Sn_{0.6}$ (P=25 kbar; Metastable)	7.34			5.35		4.2	1091
$Bi_{0.8-0.1}Sn_{0.2-0.9}$ (P~30 kbar, metastable)	6.5-7.4			7.0-2.6		4.2	1701
$Bi_{0.005}Sn_{0.995}$ (>2000Å)				Data given			∇1089
$BiTe_2Tl$ ($n=6\times10^{20}$)	0.14			0.010		0	1139
$Bi_{0.625}Tl_{0.375}$				$4.08(H_{R\frac{1}{2}})$ $5.56(H_{R\frac{1}{2}})$			090 404
$Bi_{0.85}Tl_{0.15}$ (Deposited 4.2K, 1260Å)	6.23			48		1.7	∇1774 ∇1949
C_8K(gold) (Excess K)	0.55			⊥c, 0.160 ∥c, 0.730		0.32	494
C_8K(gold)	0.39			⊥c, 0.025 ∥c, 0.250		0.32	494
$C_{0.69}Mo$	12.1			98		4.2	966#
$C_{0.64}Mo$	8.0			47		4.2	966#
$C_{\sim0.5}Mo_{\sim0.5}$				52		4.2	1098

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$C_{0.44}Mo_{0.56}$	12.5, 13.5	0.087	1.3 (0K)	98.5		1.2	571
$CMo_{\sim 2}$			8	30		4.2	1098
CNNb				67		4.2	1038
$C_{0-1}N_{1-0}Nb$				80-125-13		4.2	1038
$C_xN_{1-x}Nb$ (whiskers)	8.5-17.3	≤0.1		~110		4.2	582
CNb (annealed)	8-10, >11	0.12		16.9, 13, 12		4.2	571 1244 1038 1035
CNb	7			8		4.2	1244
C_xNb_{1-x} (Deposited 700C)	<2.5-9.6			~40			∇1345
CTa	9-11.4	0.22	0.81 (0K)	4.6		1.2	571
CTa	10			1.6 4.4 (annealed)		4.2	1244
$C_{0.52}Ti$	3.42			48		1.6	790
$C_{0.46}Ti$	3.32			45		1.6	790
Ca (Deposited 4.2K, 100Å)	4.3			6.38		0	∇710
$Ca_{0.05-0.07}MoS_2$	4.0			‖≳50 ⊥~7		0	1928
$Ca_xO_3Sr_{1-x}$ ($n=3.7-11 \times 10^{19}$)	<0.1-0.55	0.00215, 0.0038					611
$Ca_{0.025-0.30}O_3Sr_{0.975-0.70}Ti$ ($n=0.06-74 \times 10^{19}$)	<0.1-0.50	0.0019				0	1005
$CaSi_2$	1.58			1.0 0.32		0.35 1.0	961
$Cd_{0.17}Hg_{0.83}$		0.07 0.23		0.12 0.34		3.54 2.04	080
$Cd_{0.09}Hg_{0.91}$		0.04 0.28		0.05 0.31		3.86 2.16	080
$Cd_{0.015, 0.02}Hg_{0.985, 0.98}$				Data given			666 978
$Cd_{0.08-0.16}In_{0.92-0.84}$		0.2-0.12	0.25-0.22	0.35-0.5-0.45		0	1540
$Cd_{0.18}Pb_{0.32}Sn_{0.50}$ (weight fractions)	7.50			0.922		1.3	1917

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Ce_{0-0.1}InLa_{3-2.9}$	9.45-<1			71-0		0	1228
$Ce_{0.02-0.04}La_{0.98-0.96}$				1.6-0.25		0	1637
$Ce_{0-0.02}La_{1-0.98}$	4.87-2.4	0.33-0.14	0.80-0.32	Data given		0	1358 1265
$CePt_{0.1,0.2}Ru_{0.9,0.8}$	4.08, 3.40		0.832, 0.669	Data given		0	1783
$CeRu_2$		6.18	1.42	Data given		0	1783
$Co_{0.002}Mo_{0.815}Re_{0.185}$		5.8		6.1		0	881
$Co_{0.02}Sn_{0.98}Ta_3$		4.1		Data given			1362
Cr_3Ir		0.168		10.5		0	707
$Cr_{0.071}Nb_{0.929}$	6.95			12		0	1979
$Cr_{0.116-0.098}Nb_{0.075-0.78}V_{0.9-0.12}$	2.70-6.33			10.6-19.5-14.3		0	1979
Cr_3Rh	0.072			9.1		0	707
$Cr_{0.1}Ti_{0.3}V_{0.6}$	5.6	0.071	1.36	84.4 >27		0 4.2	584 616
$Cr_{0.099}V_{0.901}$	3.30			7.5		0	1979 441
$Cr_{0-18ppm}Zn$	0.85-<0.037			Data given			1322
$Cs_{0.1}F_{0.12-0.2}Li_{0.02-0.1}O_{2.88-2.8}$	3.4-2.0			6.9-4.3		0	1242
$Cs_{0.08-0.3}F_{0.08-0.3}O_{2.92-2.7}W$	4.5-1.4			9.0-4.0		0	1242
$Cs_{0.3}MoS_2$	6.8			⊥12 ‖30		4.2 5.8	1532
$Cu_{1.5}Mo_{4.5}S_6$	10.3, 9.6			130, 160		0	1664
$CuMo_3S_4$	10.8			~85		5	1725
$Cu_{0-0.69}Nb_{1-0.31}$				Data given			960
CuPb				Data given			1395
$Cu_{0.14}Sn_{0.86}$(Deposited 4.2K, 1620Å)	6.62			17.5		1.7	▽1774 ▽1949

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$F_{0.12-0.2}Li_{0.02-0.1}O_{2.88-2.8}Rb_{0.1}W$	4.0-2.1			6.2- 4.8		0	1242
$F_{0.08-0.3}O_{2.92-2.7}Rb_{0.08-0.3}W$	3.7-0.9			8- 9.4- 5.9		0	1242
$Fe_{0-0.04}Ga_4Mo_{1-0.96}$	8.0-4.2			74-37		0	1295
$Fe_{0-0.01}Ir_{0.23-0.22}Mo_{0.77}$	8.3-<1.2			82-19		0	1756
$Fe_{0.0008}Mo_{0.725}Nb_{0.061}Re_{0.187}$	1.85			1.3		0	881
$Fe_xMo_{0.865}Re_{0.135}$	2.1-6.1			3.6- 1.7		0	881
				3.1- 1.7		5.55	982
$Fe_{0.0006}Mo_{0.865}Re_{0.135}$			0.408	1.44		1.53	881
$Fe_{0.05}Nb_{0.38}Ti_{0.57}$				83 Max.		4.2	905
$Fe_{0.01}Nb_{0.80}Ti_{0.19}$				41		4.2	1391
Ga (gamma)	7.62			>3			642
Ga (Deposited 4.2K, 1650Å)	8.27 8.05			15 ⊥15		1.7 2	∇1774 ∇1949
$Ga_4Mn_{0-0.01}Mo_{1-0.99}$	8-4.0			74-25		0	1295
Ga_4Mo	8.0			73.7		0	1295
$Ga_4Mo_{1-0.96}Nb_{0-0.04}$	8.0			74-78		0	1295
$Ga_{0.5}Mo_5S_6Sn$	13.3			Data given			1725
GaN	5.85	0.725					433
$Ga_{0.245}Nb_{0.755}$	20.2			341		0	1339 1660
$Ga_{0.32}Nb_{0.68}$	20.2			336		4.2	1339
$Ga_{0.3}Nb_{0.7}$	16.3			199 220		4.2 0	1339
$Ga_{0.19}Nb_{0.81}$	13.3			133		4.2	1339
$Ga_{0.09-0.39}Nb_{0.91-0.61}$				>28		4.2	583
GaSb (~120 kbar, 77K)	4.24			2.64		3.5	695
$Ga_{0.71}V_{0.29}$	4.2	0.2 (1.4K)		2.7		0	1675

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Ga_{0.32-0.22}V_{0.68-0.78}$	6.3-14.45			230-300 (Linear extrapolation)			646
GaV_3	14.19			270± 60		0	1407 1075 310 564 316
GaV_3	14.83, 14.17, 14.1,			236, 208, 208		0	880# 684 877
	14.17, 14.0			215, 196, 200		4.2	872 684 787
$Ga_{0.18}V_{0.82}$	8.6			95		4.2	787
$Ga_{0.18}V_{0.82}$	9.15			121		0	684
$Ga_{0.18}V_{0.82}$	9.15			94		4.2	684
$Gd_{0-0.073}InLa_{3-2.927}$	8.5-2.7			52-14 7.4-~0.3 1-1.05-1		2 0.3 1	1125 1435
$Gd_{0.0396}InLa_{2.96}$	6.0			5.4-7.4-0.3		0.3	1125
$Gd_{0.0640}InLa_{2.94}$	3.4			1.0-1.05-1		1	1125
$Gd_{0-0.006}La_{1-0.994}$	4.5-2.3			Data given			1265 1358
$Gd_{0.08}La_{0.92}Sn_3$	4.3			0.60		0	1329
$Gd_{0.067}La_{0.933}Sn_3$	4.6			0.70		0	1329
$Gd_{0.2}Mo_6PbS_8$	14.3			~610 ~530		0 4.2	1759
$Gd_{0-0.01}Nb_{1-0.99}$	8.98-9.19			2.95-2.93		4.2	1771
$GeNb_3$	~23			~370 ~50		4.2 20.4	▽1653
$Ge_{0-0.2}Nb_{0.55-0.75}Ti_{0.45-0.23}$	9.6 Max.			120		4.2	1464 1463
$Ge_{0.6}Pd_{0.4}$ (Deposited 4.2K)	3.1 2.1 (annealed)			Data given			▽1683
$GeTe_{1.03}$ ($n=1.52\times10^{21}$)	0.172			0.095		0	807# 770
GeV_3	6.9			31		1.3	719
GeV_3(13,000Å)	6.7			73		1.3	▽719
GeV_3(220,000Å)	6.7			51		1.3	▽719

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
H_xPd	7.7-3.4			2.52-2.18		0	1727#
H_xTa				>1.5			346
$H_{3.6-3.65}Th$	8.05-8.35			25-30		1.1	1117
$Hf_{0-1}NNb_{1-0}$	14.6-5.3			135-10		4.2	1203
$Hf_{0-0.82}Nb_{1-0.18}$	9.3-9.8-5.5-9			10-80-55		4.2	1559 616 441 466 218 289 399
$Hf_{0.04}Nb_{0.42}Ta_{0.04}Ti_{0.5}$				107		4.2	1391
$Hf_{0.04}Nb_{0.32}Ti_{0.64}$				114		4.2	1391
$Hf_{0.04}Nb_{0.4}Ti_{0.52}V_{0.04}$				109		4.2	1391
$Hf_{0.7-0}Nb_{0.3}Ti_{0-0.7}Zr_{0.7-0}$	~9-~5			115-100-~40		4.2	1748 1092
$Hf_{0.2}Nb_{0.4}Ti_{0.2}Zr_{0.2}$				90		4.2	1391
$Hf_{0.11}Nb_{0.67}Ti_{0.11}Zr_{0.11}$				71		4.2	1391
$Hf_{0-0.5}Nb_{0.5}Zr_{0.5-0}$	9.3-7, 6.6-6.5, 4.8			86-67 (cold worked) 77-55		4.2	1747
$Hf_{0-0.7}Nb_{0.3}Zr_{0.7-0}$	9-~6, 7			110-~40		4.2	1747
$Hf_{0.13}Nb_{0.74}Zr_{0.13}$				65		4.2	1391
$Hf_{0.3}Nb_{0.4}Zr_{0.3}$				87		4.2	1391
Hf_xTa_{1-x}				~28-86		1.2	218 289 399 466
HfV_2				200		4.2	1189#
$Hf_xV_2Zr_{1-x}$	9.3-10.1-8.5			200-230-105		4.2	1381 1630
$Hf_{0.5}V_2Zr_{0.5}$	10.1			230		4.2	1381# 1189#
Hg (droplets)	4.19	≈0.3		>1.2		1.225	350
Hg (in chrysotile asbestos)	4.3			30->70		0	1284 331
$Hg_{0.101}Pb_{0.899}$		0.23		4.3			322
$Hg_{0.05}Pb_{0.95}$		0.235		2.3			322
$Hg_{0.15}Pb_{0.85}$	~6.75			>9 >13		4.23 2.93	403 404

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
In (In porous medium, 31-80Å)	3.95-4.24			29-69		0	1642
In (In glass pores, 65-250Å)	4.17-3.68			58.4- 11.6			738
In (Deposited 4.2K, 5000Å)	3.4-4.1			<1-23		4.2	▽1877
In (Deposited 4.2K, 10-40,000Å)				Data given			▽1741 ▽1268
$InLa_3$	9.2			61		2	1125
$In_{0.488}Na_{0.025}Pb_{0.488}$	>6			3.4		4.23	1886
$In_{1-0.87}Pb_{0-0.13}$			0.28- 0.565	Data given			1029 480
$In_{0.98}Pb_{0.02}$	3.45	0.1	0.310 (0K)		0.12	2.76	662
$In_{0.961}Pb_{0.039}$	3.64			Type II at lowest temp.			1025
$In_{0.96-0.90}Pb_{0.04-0.10}$		0.11- 0.10	0.10- 0.18	0.11- 0.39	0.23- 0.77	(at 0.8 of T_c)	1074
$In_{0.955}Pb_{0.045}$	3.69	0.311	0.353	0.431		0	1140#
$In_{0.96}Pb_{0.04}$	3.68	0.10	0.348 (0K)	0.12	0.25	2.94	662
$In_{0.95}Pb_{0.05}$	3.73	0.318	0.375	0.492		0	1140#
$In_{0.94}Pb_{0.06}$	3.90	0.095	0.385 (0K)	0.18	0.35	3.12	662
$In_{0.913}Pb_{0.087}$	4.2	~0.17		0.55	2.65		665
$In_{0.18-0.89}Pb_{0.82-0.11}$	Data given	0.170- 0.028		3.0-4.1 -0.15		4.2	949 1917
$In_{0.6}Pb_{0.4}$	6.36	0.630 0.362		3.250		0 3.9	809 1917
$In_{0-0.6}Pb_{1-0.4}$	7.19-6.76- 6.21			~7- ~3		0	1610
$In_{0.30}Pb_{0.70}$				3.9		4.2	683 322
$In_{0.25-0}Pb_{0.75-1}$		0.18- 0.26	0.70- 0.55 (0K)	3.5- 0.55	6.6- 1.46	4.2	1529 1408
$In_{0.17}Pb_{0.83}$				2.8	5.5	4.2	627 1713
$In_{0.14}Pb_{0.86}$		0.3 0.25		3.75 2.4		1.75 4.22	080 322
$In_{0.08}Pb_{0.92}$		0.31 0.22		3.78 2.40		1.75 4.22	401 1269 118 080
$In_{0.063}Pb_{0.937}$		0.43		2.3		1.2	844

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{0bs}(K)	Refs.
$In_{0.035}Pb_{0.965}$		0.6 0.53		1.75 0.98		0 4.22	919 118 080 401 322
$In_{0.02}Pb_{0.98}$	7.2, 7.12	0.73 0.53		1.52 0.98		1.95 4.22	401 080 1452 1836
$In_{0.99}Pb_{0.01}$(200-200,000Å)				⊥ Data given			∇888∇750
$In_{0.22}Pb_{0.57}Sn_{0.21}$(Sn precipitate formed)				4.8 3.0		2.0 4.2	1041 1972
InSb	~3.4			Data given			1129
$In_{0.88}Sn_{0.12}$	5.03		0.253 0.092	0.562 0.192		3.43 4.49	1641
$In_{0.51}Sn_{0.49}$	7.45			6.408		1.3	1917
$In_{0.05}Sn_{0.95}$	3.625			0.12	0.195	3	1612
$In_{0.06-0.01}Sn_{0.94-0.99}$	3.645-3.625-3.64			Data given			1050 910#
$In_{0.02, 0.04}Sn_{0.98, 0.96}$					Data given		666
In_xSn_{1-x}				∥ Data ⊥ given	Data given		∇1619∇854
$InTe_{1.002}$(II)				1.2		0	507
$In_{0.73-0.63}Tl_{0.27-0.37}$				0.275-0.350		2.15	1155
$In_{0.95-0.75}Tl_{0.05-0.25}$		0.263-0.216		0.263-0.50			338
In(RRR 2.5-2000)	0.05-0.1125		0.0155	0.032(RRR ≃4)		0	1492
La				8-10.8(vs RRR)		1.4	1265 925
$La_{0.98}Lu_{0.02}$	4.643				11.5	0	1271
$La_{0.98}Lu_{0.02-0.007}Tb_{0-0.013}$	4.643-0.632				10-0.6	0	1493
$La_{0.98}Lu_{0.0115}Tb_{0.0085}$	2.582				1.38	0	1271
$La_{0.98}Lu_{0.01}Tb_{0.01}$	2.108				0.82	0	1271
$La_{0.2}Mo_{6.35}Pb_{0.8}S_8$	13.2				~560 480	0 4.2	1759
LaN	1.35	0.45				0.76	668
$LaOs_2$	8.9			≈30		0	1897#
$LaRu_2$	3.08			9		2.49	1783#

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{0bs}(K)	Refs.
La_3S_4	6.5	≈0.15		>25		1.3	534
La_3Se_4	8.6	≈0.2		>25		1.25	534
$LaSn_3$			1.32 0.70			1.14 4.2	1329
$La_{0.92,0.84}Sn_3Tm_{0.08-0.16}$	5.2, 3.3			Data given			1329
La_3Te_4	3.75, 2.45	0.02- 0.06		8-12.5		1.4	1024
Mg (Deposited 4.2K, 100Å)	5.5			7.23		0	∇710
Mn_xZn_{1-x}	0.85- 0.12			Data given			1322
$Mo_{0.2}Nb_{0.8}$	4.163		0.38 (2.5K)	3.73		2.0	1452
$Mo_{0.2}Nb_{0.8}$	4.28, 4.23		0.747 (OK)	5.437 4.85		0	1547 1550
$Mo_{\sim0.2}Nb_{\sim0.8}$	4.22	0.15	0.50	2.99		2.39	1103 441
$Mo_{\sim0.15}Nb_{\sim0.85}$	5.30	0.16	0.46	2.47		3.77	1103
$Mo_{\sim0.1}Nb_{\sim0.9}$	6.38	0.29	0.785	4.14		3.78	1103
$Mo_{0.07-0.01}Nb_{0.93-0.99}$	7.1-8.7			6.42- 5.65		(at 0.25 of T_c)	1929
$Mo_{\sim0.05}Nb_{\sim0.95}$	7.84	0.49	1.07	4.265		4.17	1103
$Mo_{0.725}Nb_{0.061}Re_{0.187}$	5.0			2.65		0	881
$Mo_{0.01}Nb_{0.34}Ti_{0.65}$				112		4.2	1391
$Mo_{6.35}PbS_8$	12.6			~540 450		0 4.2	1759
$Mo_{6.35}PbS_8$	11.0			~455 360		0 4.2	1759
Mo_6PbS_7	14.0			Data given			1831
$Mo_{5.1}Pb_{0.9}S_6$	11.7			486 390		0 4.2	1597
$Mo_{5.1}Pb_{1.0}S_6$	14.4			598 ≈510		0 4.2	1597
$Mo_{5.1}Pb_{0.9}S_6$	11.5			450		0	1664
Mo_5PbS_7	12.5			~140		8.5	1725
$Mo_{6.3}PbS_6Se_2$	5.4			130		3	1759

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Mo_{6.35}Pb_{0.9}S_8Sn_{0.12}$	~11			395 385		0 4.2	1759
$Mo_{6.35}Pb_{0.7}S_8Sn_{0.36}$	10.0			335		0	1759
$Mo_{0.865}Re_{0.135}$	6.1		0.471	1.57		4.2	881
$Mo_{0.815}Re_{0.185}$	8.27			7.0		0	881
$Mo_{0.66}Re_{0.34}$	11.8	0.381		11.34		4.2	1331# 429 383 310 406 455
$Mo_{0.6}Re_{0.4}$ (cold worked)	10.6			25.5 19	37.3 28.3	1.3 4.2	555
$Mo_{0.6}Re_{0.4}$ (annealed)	10.6			19 14.5	26.2 19.6	1.3 4.2	555
$Mo_{0.52}Re_{0.48}$ (as cast)		0.836		20.1		1.94	1151
$Mo_{0.52}Re_{0.48}$ (annealed)		0.613 (5.4K)		16.2		1.16	1151
$Mo_{0.52}Re_{0.48}$ (cold worked)	11.1			27.9 21.3	42.8 33	1.3 4.2	555
$Mo_{0.52}Re_{0.48}$ (annealed, quenched)	11.1			19.2 14.6	 23.8	1.3 4.2	555
$Mo_{0.52}Re_{0.48}$ (2000C, slow cooled)	11.1			18.3 14.8	37.5 27.3	1.3 4.2	555 202
Mo_5S_6Sn	13.4, 11.7			344		0	1597 1644
Mo_5S_6Sn	11.3			~140		6.3	1725
$MoS_2Sr_{0.2}$	5.6			⊥9 ‖25		2.6 3.2	1532
$MoS_2Sr_{0.06-0.1}$	5.6			⊥~12 ‖>35		0	1928
$Mo_{0.913}Ti_{0.087}$	2.95	0.060		~15		4.2	600
$Mo_{0.16}Ti_{0.84}$	4.246	0.905		59.3 60-66		1.18 0	805#
$Mo_{0.16}Ti_{0.84}$	4.10			65		0	740#
$Mo_{0.16}Ti_{0.84}$	4.246, 4.18	0.028		98.7 36, 38		0 3.0	584 565 616
Mo_xTi_{1-x}				Data given			218 289 399 301 252 268
$Mo_{0.305-0.116}U_{0.695-0.874}$	1.97- 2.06- 1.85			>25			349

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
Mo_xZr_{1-x}				>30			289 399
NNb	16.0	0.093		158 118-132		4.2	1473# 1234
NNb	15.0			~250		0	1044
$N_{0.96}Nb$	15.2			>9.5		13.2	343
$N_{0.93}Nb$		0.008				15.8	1070
$N_{0.92}Nb$	16.3			130		0	880#
$N_{0.93}Nb$	15.85			158		0	880#
NNb (Diffusion wires)	16.1			153 132 53		0 4.2 12	553 243 873 190
$N_{0.0023}Nb_{0.998}$	9.20			5.0	7.8	4.2	771
NNb (Sputtered)	14.1-16.2			150-290		4.2	∇1433 ∇1406 ∇1174
N_xNb_{1-x}	6-17			150-230		4.2	∇1828 ∇1175 ∇1527
N_xNb_{1-x} (Sputtered, N_2-Ar beam at 300C)	6-13.8			200-280		0	∇1694
NNb	15.23	0.040		>250		4.2	∇1473#
NNb (whiskers)	10-14.5			Data given			582
NNb_xO_y	13.5-17.0			>38			483
$N_{0.91}Nb_{0.99}Ta_{0.01}$	15.62			135		0	880#
$N_{0.92}Nb_{0.946}Ta_{0.054}$	14.41			135		0	880#
$N_{0.91}Nb_{0.82}Ta_{0.18}$	10.9			100		0	880#
$NNb_{1-0}Ti_{0-1}$	14.6-16.5-4.4			135- 145- 5		4.2	1203
$NNb_{\sim 0.4-0.6}Ti_{0.6-0.4}$	~15.5			$\lesssim$250		0	1044
$N_{0.90}Nb_{0.114}Ti_{0.886}$	10.1			100		0	880#
$N_{0.88}N_{0.256}Ti_{0.744}$	14.72			104		0	880#
$N_{0.85}Nb_{0.66}Ti_{0.34}$	17.61			119		0	880#
$N_xNb_yTi_{1-x-y}$ (Hot substrate)	15.5-~17-5			<200		4.2	∇1344
$NNb_{0.8}Ti_{0.2}$				>180		0	∇1405

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
NNbTi				>136		4.2	▽839
$N_{0.93}Nb_{0.85}Zr_{0.15}$	13.8			>130			652
$N_{0.95}Nb_{0.75}Zr_{0.25}$	12.96			116		0	880#
$N_{0.76}Nb_{0.85}Zr_{0.15}$	14.16			132		0	880#
$N_{0.74}Nb_{0.9}Zr_{0.1}$	14.42			136		0	880#
$N_{0.73}Nb_{0.95}Zr_{0.05}$	15.42			146		0	880#
NNb_xZr_{1-x}	9.8-13.8			4->130			652 553 517
$N_xNb_yZr_{1-x-y}$ (Hot substrate)	~15-9			~200			▽1344
NNbZr				>136		4.2	▽839
$N_{0.95}Zr$ (Monocrystal needles)	9.6			2.5-3		0	1968
$Na_{0.086}Pb_{0.914}$		0.19		6			322 1312
$Na_{0.07}Pb_{0.93}$		0.15		5.3		4.21	1312
$Na_{0.016}Pb_{0.984}$		0.28		2.05			322
Nb(RRR=1600)	9.25	1.73		4.05		0	743
Nb	9.1-9.27			4.005- 4.4		0	1639 1359 1550 928 1929
Nb(RRR~10,000) (RRR~300)	9.20 9.20	1.8 1.8		4.00 >4	18.3 8.1	0 0	994
Nb(RRR=1-2,000)	9.20, 9.23	1.85	2.07	3.9		0	1099# 864#
Nb(RRR=750)				‖[111]4.44 ‖[110]4.17 ‖[001]4.02		0	1142 1574 1560 827 1300 1237 1560
Nb	9.29			10.4		0	1979
Nb	9.15		2.02 1.71			1.4 4.2	531 722
Nb (Wires) (RRR=145)	9.26	0.31 1.81		0.42 3.71		8.396 2.04	1892
Nb (RRR=14,000)				4.70 (as prepared) 2.80 (outgassed)		4.2	895
Nb (Unstrained)		1.1- 1.8		3.40	6.0- 9.1	4.2	538
Nb (Strained)		1.25- 1.92		3.44	6.0- 8.7	4.2	538 1805 771

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
Nb (Cold drawn wire)		2.48		4.10	~10	4.2	538 751 1771
Nb (Irradiated, o^{n^1}, at 4.6K)				2.5-4.3			832
Nb		Data given					1298 334 1839
Nb				Data given			1135 883 1316 1549 1805 1021 334 995 1087# 400
Nb					Data given		995 334 1021 1549 1135
Nb (440, 1050Å)	7.02-8.6	0.011-19		20-32			∇1251
Nb (245Å)	9.3			68		1.3	∇719
Nb (270Å)	9.1			53		1.3	∇719
Nb (37,000Å)	10.0			40		0	∇719 ∇913 ∇518 ∇1411
NbO_{200ppm}				8.5 8.0 (cold worked)		4.2	771
$Nb_{1-0.965}O_{0-0.035}$ (Interstitial)	9.23-6.13		1.91-1.102 (0K)	2.91-9.17-8.51		4.2	1776# 1523
$Nb_{0.9916}O_{0.0084}$				7.74	~13	4.2	772
$Nb_{0.985}O_{0.0152}$	8.04			9.6	11.5	4.2	771
$Nb_{0.993}O_{0.007}$ (Ribbon)				‖Data ⊥given	‖Data ⊥given	4.2	771
$Nb_{1-x}O_x$				Data given			944 1788 441 190
$Nb_{0.45}O_{0.0024}Ti_{0.54}$				106.5 97 (cold worked)		4.2	1796
Nb_3Os	0.943			1.26		0	707
NbS_2(0-13 kbar)	6.20-6.26			Data given			1853
NbSc				>30			399 289
$NbSe_2$	7.34, 7.0			8.5 64		4.2	1717 1500 1262 1505#
$NbSe_2$				130 40		1.2	1503 1853 654 996
$NbSe_2$	7.27, 7.14		2.04	174		0	1827

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
Nb_3Sn	18.0			235		4.2	787
$Nb_{0.75-0.82}Sn_{0.25-0.18}$ (Vapor deposit)	18.31-8.2			225		4.2	1167
Nb_3Sn (Diffusion layer)	18.21			245		0	877
Nb_3Sn (Cladding and coated wires)	18.00, 18.21			260, 280		0	880#
Nb_3Sn	18.3	~0.2 0.35, 0.4					1850 316
Nb_3Sn				180-185			189 310 406 174
Nb_3Sn				Data given			1660 1743 1034 564 485 434 365 326 321 383 1075 831
Nb_6Sn_5	<2.8			<0.6		2.1	1210
Nb_3Sn (With Bi, Mo, Si, Ta, Ti, V, CO_2, H_6)	15.2-16.8			172-225		4.2	▽1437
Nb_3Sn (CO_2, CO, N_2, O_2 methane, ethane, propane boron trichloride, hydrogen sulfide, ammonium, nitrogen oxide)				Data given		4.2	1169 1188
Nb_3Sn ($Fe_2Mn_{0.5}Zn_{0.5}O_4$)	14.7-17.0			Data given			831
$Nb_{0.675-0.71}Sn_{0.25}Zr_{0.075-0.04}$	17.98-18.07			260		0	880
$Nb_{1-0.6}Ta_{0-0.4}$	9.23-6.56			4.2-9.2		0	928
$Nb_{0.9913}Ta_{0.0087}$	8.87	1.75	2.05	4.40	Data given	0	864# 1775 441
$Nb_{0.9844}Ta_{0.0156}$	8.76	1.70	2.03	4.50		0	864#
$Nb_{0.99-0.85}Ta_{0.01-0.15}$	9.1-8.1			4.38-7.04		~2.6	1929
$Nb_{0.98}Ta_{0.02}$	8.58			8.0		0	1550
$Nb_{0.96}Ta_{0.04}$	8.87			6.14		0	928#
$Nb_{0.9575}Ta_{0.0425}$	8.55	1.37	1.98	5.30		0	864#
$Nb_{0.95}Ta_{0.05}$				9		0	1611

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Nb_{0.9378}Ta_{0.622}$	8.42	1.12	1.89	5.56		0	864#
$Nb_{0.87}Ta_{0.13}$	8.15	0.91	1.69	7.08		0	911
$Nb_{0.803}Ta_{0.197}$	7.50	0.83	1.75	7.50		0	864#
$Nb_{0.8}Ta_{0.2}$	7.85, 7.51	0.83	1.65	7.93, 8.31		0	1837 911 441
$Nb_{0.67}Ta_{0.33}$	6.81	0.55	1.37	8.73		0	911
$Nb_{0.64}Ta_{0.36}$		0.32, 0.14				4.2, 5.9	410 428 455
$Nb_{0.55}Ta_{0.45}$	6.25	0.48 0.24	1.27	8.60 3.6		0 4.2	911 439 455 410 428
$Nb_{0.47}Ta_{0.53}$		0.2 0.13				4.2 5.0	410
$Nb_{0.39}Ta_{0.61}$	5.52			7.20		0	1837
$Nb_{0.37}Ta_{0.63}$	5.31	0.37	1.04	675		0	911
$Nb_{0.29}Ta_{0.71}$		0.14		Data given		4.2	410 1576
$Nb_{0.17}Ta_{0.83}$	4.65, 4.82	0.33 0.1 (4.19K)	0.83	4.26, 3.95		0	1837 1103 911
$Nb_{0-0.16}Ta_{1-0.84}$	4.480- 4.465- 4.670	Data given	0.795- 0.882	Data given		0	1356
$Nb_{0.16}Ta_{0.84}$				2.98		0	1356
$Nb_{0.1}Ta_{0.9}$		0.084	0.106	0.154		4.195	478
$Nb_{0.08}Ta_{0.92}$	4.540	0.768	0.882	1.78		0	1356 410 1103
$Nb_{0.05}Ta_{0.95}$					0.23- 0.39	4.19	1330 981
$Nb_{0.04}Ta_{0.96}$	4.470	0.772	0.817	1.17		0	1356
$Nb_{0.03}Ta_{0.97}$	4.50			1.25		0	1837
$Nb_{0.025}Ta_{0.975}$	4.465	0.773	0.80	0.99		0	1356
$Nb_{0.016}Ta_{0.984}$				0.847		0	1356
$Nb_xTa_yTi_z$	~9 Max.			<66- 124		4.2	1398 1391
$Nb_{0-0.36}Ta_{0.36-0}Ti_{0.64}$	7.5-9.2			100- 120- 108		4.2	1398
$Nb_{0.05-\sim0.65}Ta_{0.04-\sim0.35}Ti_xZr_{0.04-\sim0.10}$	7.7-9.8			70- 131		4.2	1465

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Nb_{0.1}Ta_{0.05}Ti_{0.25}Zr_{0.05}$	8.3			131		4.2	1465
$Nb_{0.39}Ta_{0.04}Ti_{0.53}Zr_{0.04}$				117		4.2	1391
$Nb_{0.7}Ta_{0.05}Zr_{0.25}$	>4.2			>90			225
$Nb_{0.73-0.65}Ta_{0.02-0.1}Zr_{0.25}$	>4.2			>70			225
$Nb_{0.985}Ti_{0.015}$				~12		0	1611 441
$Nb_{0.955}Ti_{0.045}$				~23		0	1611
$Nb_{0.95}Ti_{0.05}$	9.38, 9.41	0.675		18, 19.5 16.5		0 4.2	1241 1371# 1216
$Nb_{0.93}Ti_{0.0723}$	9.53		2.2			0	1754#
$Nb_{0.91}Ti_{0.09}$				~35		0	1611 289
$Nb_{0.9}Ti_{0.1}$	9.61	0.50		35, 37 36		0 4.2	1241 1371#
$Nb_{0.75}Ti_{0.25}$	9.93, 9.8	0.35		90.5, 100 73		0 4.2	1371 1241 1391 1398
$Nb_{0.63}Ti_{0.37}$	9.2			96		0	725 310 455
$Nb_{0.55}Ti_{0.45}$	9.4			108		4.2	830 321
$Nb_{0.44}Ti_{0.56}$	9.0			141		0	725 968 874 439
$Nb_{0.4}Ti_{0.6}$				117, 107, 126		4.2	1391 830 1409
$Nb_{0.33}Ti_{0.67}$				Data given			968 991
$Nb_{0.22}Ti_{0.78}$	7.5, 7.8	1.125	3.572	77		4.2	991
$Nb_{0.22}Ti_{0.78}$	6.92 7.72			30.1 33.7	45 41.8	5.54 6.48	993
$Nb_{0.22}Ti_{0.78}$	7.39-8.26		Data given	42-84	Data given	0	1575
$Nb_{0.2}Ti_{0.8}$	6.5-4.5			50-15		4.2	1414 965
$Nb_{0.11}Ti_{0.89}$	5.40			~84		0	1638
Nb_xTi_{1-x}				~38-145		4.2	218 399 439 289 290
$Nb_xTi_yV_z$				126-10		4.2	1409

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Nb_{0.5}Ti_{0.3}V_{0.2}$	7.8-7.5			~85 ~75 (Irradiated, o^{n1})		4.2	1792
$b_{0.35}Ti_{0.64}W_{0.01}$				114		4.2	1391
$\supset_xTi_yZr_z$				135-75			1876 830 1463
$Nb_{0.8}Ti_{0.1}Zr_{0.1}$				76		4.2	1391
$Nb_{0.78}Ti_{0.21}Zr_{0.01}$				55		4.2	1391
$Nb_{0.77}Ti_{0.1}Zr_{0.13}$				77		4.2	1391
$Nb_{0.75}Ti_{0.15}Zr_{0.1}$	9.7			57		4.2	830
$Nb_{0.69}Ti_{0.15}Zr_{0.16}$				76		4.2	1391
$Nb_{0.66}Ti_{0.15}Zr_{0.19}$				75		4.2	1391
$Nb_{0.65}Ti_{0.25}Zr_{<0.10}$	9.8-10			>76		4.2	1438
$Nb_{0.65}Ti_{0.15}Zr_{0.2}$	9.8			65		4.2	830
$Nb_{0.62}Ti_{0.14}Zr_{0.24}$	9.6			69		4.2	830
$Nb_{0.62}Ti_{0.14}Zr_{0.24}$	9.7, 9.6			76		4.2	830
$Nb_{0.60}Ti_{0.30}Zr_{0.10}$				87		4.2	1391
$Nb_{0.58}Ti_{0.30}Zr_{0.12}$				90		4.2	1391
$Nb_{0.57}Ti_{0.33}Zr_{0.1}$	9.6			78		4.2	830
$Nb_{0.52}Ti_{0.16}Zr_{0.32}$	9.4, 9.5			71, 72		4.2	830
$Nb_{0.53}Ti_{0.18}Zr_{0.29}$	9.1, 9.0			81, 80		4.2	830
$Nb_{0.5}Ti_{0.1}Zr_{0.4}$	10.3			105		4.2	1789
$Nb_{0.5}Ti_{0.45}Zr_{0.05}$				97		4.2	1391
$Nb_{0.48}Ti_{0.3}Zr_{0.22}$	8.9-9.1			78-80		4.2	830
$Nb_{0.47}Ti_{0.48}Zr_{0.05}$	8.7			89		4.2	830
$Nb_{0.43}Ti_{0.27}Zr_{0.3}$	8.6-9.1			75-77		4.2	830
$Nb_{0.41}Ti_{0.23}Zr_{0.36}$				78-77		4.2	830
$Nb_{0.35}Ti_{0.64}Zr_{0.05}$	8.6			~113		4.2	1789
$Nb_{0.35}Ti_{0.45}Zr_{0.2}$				103		4.2	1391
$Nb_{0.35}Ti_{0.30}Zr_{0.35}$				98		4.2	1391

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Nb_{0.22-0.15}Ti_{0.74-0.25}Zr_{0.53-0.07}$	10.05, 9.1			Data given			1205 965
$Nb_{0.222}U_{0.778}$	1.98			>~25			349 466
Nb_xV_{1-x}	5.19-3.97-9.29			10.1-19.9-10.4		0	1979
$Nb_{1-x}W_x$				Data given			441
$Nb_{1-0.98}Y_{0-0.02}$	9.38-9.25			4.91-2.91		4.2	1771
Nb_xZr_{1-x}				35-125			218 289 399 268 847 465 321 383 455
$Nb_{0.9-0.15}Zr_{0.1-0.85}$				123-44		0	686
$Nb_{0.75}Zr_{0.25}$	10.6, 11.1			81.9, 83.4		0	075 420 600 597 368 406 310
$Nb_{0.66}Zr_{0.33}$				>83		4.2	597 429
$Nb_{0.5}Zr_{0.5}$	10.8			92		0	739 429 1301 466 441
$Nb_{\sim0.4}Zr_{\sim0.6}$				123		0	686
$Nb_{0.25}Zr_{0.75}$				>87		4.2	429 441
$Nb_{0.2}Zr_{0.8}$		1.12	3.57	80		4.2	991 441
NbZr (Deposited 350, 360C, 3000-4000Å)	1.6-9.3			Data given			∇ 1275
$O_3Rb_{0.33-0.20}W$	2.15-2.90-<1.20-4.35			0.643-1.290-0.950		0	1882 1942# 1080
$O_3Rb_{0.33}W$	2.15			0.643		0	1882
$O_3Rb_{0.30}W$	2.90			1.290		0	1882
O_3SrTi ($n\sim10^{20}$)	0.43 0.33	0.0049 0.00195		0.504 0.420		0 0	594 1005 611 770
O_3SrTi ($n\sim10^{20}$)	0.43	0.0044		0.300		0.15	594#
O_3SrTi ($n\sim10^{20}$)	0.33	0.0012		0.180		0.19	594#
O_3SrTi ($n\sim10^{20}$)	0.43	0.0013		0.070		0.39	594#
O_3SrTi ($n\sim10^{20}$)	0.33	0.00045		0.004		0.315	594# 1005
P (P=170-220 kbar)	5.8-~5.6			~4.8->10		0	786

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
Pb				Data given	Data given		430 322 666 1287 586 357
Pb (In porous media, 32, 58Å)	7.049, 7.150			96, 55		0	1642
Pb (800Å) (3700Å)				‖4.5, 12.2 ‖1.28, 10.80		1.6	∇752 ∇985 ∇1124 ∇1268
Pb (1070Å) (7000Å)				‖1.43, ‖0.64		4.2	∇1644 ∇672
Pb (Deposited 4.2K, 300-450Å)				5-22		0	∇1739
$Pb_{1-x}Sb_x$				>0.7-19		4.2	458 589
$Pb_{0.965}Sn_{0.035}$		0.53		~0.56			322 457
$Pb_{0.871}Sn_{0.129}$		0.45		~1.1			322
$Pb_{0.57}Sn_{0.43}$	7.45			1.5		1.3	1917
$Pb_{0.36}Sn_{0.64}$	7.75			2.036		1.3	1917
$Pb_{0.28}Sn_{0.72}$	7.05			0.832		1.3	1917
PbTe	5.3-5.34			Data given			669
$Pb_{0.5-1}Tl_{0.5-0.008}$		0.15-0.55		2.1-0.7		4.22	080 356 401
$Pb_{1-0.26}Tl_{0-0.74}$	7.20-3.68			2-6.96		0	649
$Pb_{0.99}Tl_{0.01}$			0.82 (0K)		1.6 0.906	1.6 4.2	586 979 666
$Pb_{0.97}Tl_{0.03}$					1.415	4.2	586 666
$Pb_{0.965}Tl_{0.035}$		0.8	1.2	1.5		0	919
$Pb_{0.96}Tl_{0.04}$	7.10	0.586 0.029		1.00 0.039		3.50 6.98	1710 653#
$Pb_{0.95}Tl_{0.05}$			0.35	1.048, 1.02	1.844	4.2	586 322 653#
$Pb_{0.91}Tl_{0.09}$				1.691	2.974	4.2	586
$Pb_{0.85}Tl_{0.15}$	6.73			4.5		0	653#
$Pb_{0.83}Tl_{0.17}$				2.58	4.404	4.2	586
$Pb_{0.77}Tl_{0.23}$				2.927	4.751	4.2	586
$Pb_{0.73}Tl_{0.27}$	6.43		0.76	~6 5.2 (1.7K)		0	1200

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Pb_{0.696}Tl_{0.304}$		0.145		~2.9			322
$Pb_{0.6}Tl_{0.4}$		0.0964	0.33	2.884		4.2	1434 403
$PtTi_3$	0.486			3.45		0	707
Re (Deposited 78K, 500-600K)	1.7-2.2			Data given			▽1881
$Re_{0.26}W_{0.74}$				>30			289
$Rh_{0.14}Zr_{0.86}$	11.1			80		4.2	1858
$S_{1.2}Se_{0.8}Ta$	3.9			⊥12, 13 ∥75, 92		2.34	1262
SSeTa	3.7			⊥9, 11 ∥54, 74		2.2	1262
$S_{0.8}Se_{1.2}Ta$	3.9			⊥6.7 ⊥10.4 ∥45		2.9 2.34 2.9	1262
SSeTa(pyridine)	1.5			⊥2.6 ⊥4.0 ∥19.1		1.1 0.9 1.1	1262
S_2Ta (pyridine)	3.25			⊥4.9 ∥>150		1.4	1262 1027
				⊥1.4 ∥>66		2.0	1027 1262
Sb (Prepared 120 kbar; and below 77K)	2.6-2.7			4.4		1.55	520
$Sb_{0.05}Sn_{0.95}$ (weight fraction)	3.75			0.358		1.3	1917
$Sc_{0.01-0.6}V_{0.99-0.4}$	5.5-7.04-6.8			Data given			1698
SiV_3		0.55					316 317
SiV_3				250 228		0 4.2	787
SiV_3 (Diffusion layers, wires)	16.9, 16.86			235, 230		0	877 880# 1075 310 406
SiV_3(1000 to 100,000Å)	14.85-~16.61			~105		10	▽716 ▽1645
Sn (In porous media, 31Å, 39Å)	4.936, 4.248			54,39		0	1642
Sn (Deposited 4.2K)	3.7-4.44 (Deformed)			40-50		4.2	▽1877 405
Sn (650-2000Å, 100-600Å grain size)	3.84-4.66			~5 Max.		3	▽1967 ▽723 ▽1268 ▽1645

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$SnTa_3$	8.35 (High order)			72.5		4.2	581
	6.2 (Low order)			15.5		4.2	
$SnTa_3$	7.0 Max.			50 Max.		4.2	1462 1362
SnTe ($n=7.5\text{-}20\times10^{20}$)	0.034-0.214	0.0005-0.0019	0.001-0.0105	~0.005-0.09		0	1022
SnTe ($n=20\times10^{20}$)		0.00168		0.0775		0.079 0.043	687
SnTe ($n=16.5\times10^{20}$)		0.00236		0.052		0.063 0.020	687
SnTe ($n=12.5\times10^{20}$)		0.00043		0.005		0.068	687
SnTe ($n=10.5\times10^{20}$)		0.00045		0.0052		0.015 0.012	687
$Sn_{0.65}Tl_{0.35}$ (Pressure preparation)	6-7.1			3.46		4.2	900
Sr (Deposited 4.2K, 100Å)	3.7			5.77		0	∇710
Ta (99.95%)		0.425 0.325 0.275 0.090		1.850 1.425 1.175 0.375	Data given (1393)	1.30 2.27 2.66 3.72	519 1393
Ta (300Å)	3.16			26		1.3	∇719
$Ta_{1-0.3}Ti_{0-0.7}$				1-93-65		4.2	1797 252 289 321 299 429
$Ta_{0.65-0}Ti_{0.35-1}$	4.4-7.8			14-138			252
$Ta_{0.53}Ti_{0.47}$				93, 86		4.2	1797 1391 874 466
$Ta_{0.63}Ti_{0.30}Zr_{0.07}$				77		4.2	1391
$Ta_{1-0}V_{0-1}$	4.33-2.73-5.7		0.769-0.573-1.336			0	1307
$Ta_{1-0.9}Zr_{0-0.1}$				Data given			441
Tc (Monocrystal)	7.46	1.16	1.55	3.12		0	1180; 1161; 1138
Tc	7.82			∥c 3.47 ⊥c 2.71		2	1537
$Tc_{0.95}V_{0.05}$	10.99			35.5		0	1138
$Tc_{0.90}V_{0.10}$	11.32			43.3		0	1138

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE : Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
$Tc_{0.80}V_{0.20}$	11.24			42.3		0	1138
$Tc_{0.75}V_{0.25}$	11.24, ~7.6 11.07			34.8 23.7		0	1138
$Tc_{0.7}V_{0.3}$	8.82 6.41			14.0 31.7		0	1138
$Tc_{0.65}V_{0.35}$	4.49			21.4		0	1138
$Tc_{0.7}V_{0.3}$	7.0-8.3 (Precipitate) 7.0-6.6			6-11 37-4	Data given	0	1791
$Tc_{0.6-0.3}W_{0.4-0.7}$	7.88-5.75			43.5- 7.5		4.2	524
Te (99.999%) (~57 kbar)	~3.3	0.25				0	510
Te_3Tl_5 ($n>2\times10^{21}$)	2.19-2.23			~1.7		1.2	848
Ti					2.7	4.2	688
$Ti_{0.775}V_{0.225}$	4.7	 0.024		≈22 (arc cast) 172		4.2 0	616 838 584 218
$Ti_{0.75}V_{0.25}$				≈34 (arc cast)		4.2	616 289
				≈36 (cold rolled)		4.2	616 399
		0.029		199		0	584
$Ti_{0.6}V_{0.4}$	7.0			110 109 86		1.18 2.18 4.2	878 600
$Ti_{0.516}V_{0.484}$	7.20	0.062		~28		4.2	600 466 455 874
$Ti_{0.415}V_{0.585}$	7.49	0.078		~25		4.2	600 441#
$Ti_{0.12}V_{0.88}$				17.3	28.1	4.2	688
$Ti_{0.09}V_{0.91}$				14.3	16.4	4.2	688
$Ti_{0.06}V_{0.94}$				8.2	12.7	4.2	688
$Ti_{0.03}V_{0.97}$				3.8	6.8	4.2	688
Tl (In porous media, 32Å, 58Å)	2.649, 2.612			48, 21		0	1642
Tl (Deposited 4.2K)	2.42-3.15 (Deformed)			~45 Max.		4.2	∇1877
$Tl_{1-0.7}Sb_{0-0.3}$	2.905-~5.3- 4.198	0.18- 0.46- 0.29		0.86- ~7.3- 3.9		0	1378

TABLE 5. (Cont'd). Critical Magnetic Fields H_{c1}, H_{c2} and H_{c3} of Superconductive Materials (Mainly Type II) NOTE: Magnetic fields in kilooersteds.

Material	T_c(K)	H_{c1}	H_c	H_{c2}	H_{c3}	T_{obs}(K)	Refs.
U (1-9 kbar)				0.25- 1.0			1416
V (RRR=430)	5.43		1.408	2.68 0.745(4.2K)		0	1719 1162 1935
V	5.17	0.72	1.34	4.58		0	917 1106 548 1515
V	5.06	0.70	1.33	5.5		0	917# 617
V	4.68	0.36	1.16	8.0		0	917# 1979
V (RRR=720)		0.26		0.40	0.595	4.726	1549
V (RRR=140)	5.385			‖[111]3.17 ‖[110]2.99 ‖[001]2.86		0	1639
V(100-20,400Å)				Data given			▽1444
V_2Zr				103		4.2	1189
$V_{0.1-0.9}Zr_{0.9-0.1}$	6.5-8.3- 7.6			28-100- 62		4.2	889
$V_{0.4}Zr_{0.6}$	~7.8			~110		4.2	889
$V_{0.39}Zr_{0.61}$	≈5.9	0.238 0.165				1.05 3.5	678
$V_{0.06-0.09}Zr_{0.94-0.91}$	7.0-<4.2			~18- ~25		4.2	1306
W (~2000Å)	1.7-4.1			>34		1	▽671

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