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TABLE AI. (Continued)

	Turketal a second	Transiti	on conditions			and the second second
Material	Condition	Stress (GPa)	Compression (%)	Technique	Remarks	References
ismuth	1.00	and the second second		Les Les	A CARLES AND AND A CARLES AND A C	and the second second
Jismuth	Cast and hot pressed	2.72	6.54	E-1	6.6 to 25.2 mm, 3 mm grain size $\rho_0 = 9.80 \text{ Mg/m}^3$	Duff et al. (1957)
ismuth	Cast and hot pressed	3.13	7.54	E-1	22 mm, T_0 =300 K, 3 mm grain size ρ_0 =9.80 Mg/m ³	Duff et al. (1957)
ismuth	Cast and hot pressed	2.53	6.12	E-1	20 mm, T_0 =360 K, 3 mm grain size ρ_0 =9.80 Mg/m ³	Duff et al. (1957)
ismuth	Cast and hot pressed	1.76	3.83	E-1	20.4 mm, $T_0 = 509$ K, 3 mm grain size $\rho_0 = 9.80$ Mg/m ³	Duff et al. (1957)
Jismuth	Cast	2.98-2.27	7.2-5.6	G-7	3 to 6 mm	Hughes et al. (1961)
ismuth	Cast	2.65-2.46	6.1-5.9	E-8	1.6 to 12.7 mm, τ , 21 samples $\rho_0 = 9.80 \text{ Mg/m}^3$	Larson (1967)
ismuth	Pressed	2.65-2.45	6.3-5.8	E-8	1.4 to 4.5 mm. 7. 7 samples	Larson (1967)
ismuth	Crystal, a axis	2.46	5.8	E-8	3.1 to 4.4 mm T 3 samples	Larson (1967)
ismuth	Crystal cavis	2.56	6.1	E-8	1 2 to 4 4 mm 7 7 samples	Larson (1967)
icmuth	Dressed	2 50 - 2 53	5.8	G-9	$\rho_{a} = 9.756 \text{ Mg/m}^{3}$ grain size 20 um	Larson (1967)
smuth	rresseu	7.0		F	$\rho_0 = 0.00 \text{ Mg/m}^3$ there are a set of ρ_m	Asay (1974)
smuth	2.4008	7.0		E	$p_0 = v.ov \text{ Mg/m}^2$, thermoelectric effect	Romain (1974)
arbon	Spectroscopically			E-17 19	Diamonds recovered	DeCarli et al (1001)
arbon	pure artificial			E-17, 15	Diamonds recovered	DeCarli et al. (1961)
	graphite					
rbon	Natural Cevion	40 and 60			75% to 95% theoretical density + 2	Aldon at -7 (1061)
arbon	graphite, high	FU and UU			15% to 55% theoretical density, +, ?	Trunin <i>et al.</i> (1961), see
	purity			E D 2		Pavlovskii et al. (1966)
irbon	Pyrolytic graphite	- S		E, P-0	$\rho_0 = 2.2 \text{ Mg/m}^\circ$, no transition	Coleburn (1964)
irbon	Pyrolytic graphite			E-4	$\rho_0 = 2.18 - 2.20 \text{ Mg/m}^\circ$, optical lever	Doran (1963a)
irbon	Pyrolytic graphite	10 P 2		P-2	$ \rho_0 = 2.20 \text{ Mg/m}^3, \text{ possible transition} $ at 40 GPa	McQueen (1964)
arbon	Pressed graphite			P-2	$ \rho_0 = 2.15 \text{ Mg/m}^3 $, possible transition at 27 GPa	McQueen (1964)
arbon	Synthetic graphite			P-1	$\rho_0 = 1.77 \text{ Mg/m}^3, +$	Pavlovskii et al. (1966)
arbon	Synthetic graphite			P-1	$\rho_0 = 1.85 \text{ Mg/m}^3$, +	Pavlovskii et al. (1966)
arbon	Ceylon graphite,			P-1	$\rho_0 = 2.23 \text{ Mg/m}^3, +$	Pavlovskii <i>et al</i> . (1966)
00-0	ground pressed	Contraction of the second			and any design of the second of the	
arbon	Pyrolytic graphite	40	28	P-2	$\rho_0 = 2.20 \text{ Mg/m}^3$	McQueen $et al.$ (1968)
irbon	Pressed graphite	23		P-2	$\rho_0 = 2.13 \text{ Mg/m}^3$	McQueen et al. (1968)
arbon	Pressed graphite	23		P-2	$\rho_0 = 2.03 \text{ Mg/m}^3$	McQueen et al. (1968)
arbon	ZTA graphite	23		P-2	$\rho_0 = 1.95 \text{ Mg/m}^3$	McQueen et al. (1968)
arbon	Pressed graphite	23		P-2	$\rho_0 = 1.88 \text{ Mg/m}^3$	McQueen et al. (1968)
arbon	ATJ graphite	23		P-2	$\rho_0 = 1.79 \text{ Mg/m}^3$	McQueen et al. (1968)
arbon	PT0178 graphite	23		P-2	$\rho_0 = 1.54 \text{ Mg/m}^3$	McQueen et al. (1968)
arbon	Graphite, chemically		··· / / · · · ·	P-1	$\rho_0 = 1.878 \text{ Mg/m}^3$; found evidence	Trunin <i>et al.</i> (1969)
	pure				that high pressure metallic phase reported by Alder was in error	
arbon	Decalcified natural graphite	25	~31	P-1	$\rho_0 = 2.08 \text{ Mg/m}^3, +$	Dremin et al. (1968)
arbon	Iron-graphite mixture			P-19	Electron microscopy, diamonds	Trueb (1968)
arbon	Copper-graphite mixtures			E-19	Electron microscopy, diamonds	Trueb (1971)
arbon	Madagasear graphite			P 10	$\alpha = 2.05 \text{ Mg/m}^3$ mulse duration 200 mg	Duiolo at al (1070)
rbon	Graphite			P-19	p ₀ = 2.00 Mg/m , pulse duration 300 hs	Fujois et al. (1970)
arbon	Diamond proceed poweler	NIT- Internet	a company the state	P	2 2 20 Mg/m ³ no transition of	Fournier et al. (1971)
artion	Diamond pressed powder	Service and services		P-2	$p_0 = 3.20$ Mg/m ⁻ , no transition ob- served between 43 and 128 GPa	McQueen et al. (1968)

TABLE AI. (Continued)

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		Transition conditions				
Material	Condition	Stress (GPa)	Compression (%)	Technique	Remarks	References
Carbon (Continued)	a sound of the second			1978日1月	the set of the local discount of the set of the	and a strand strand strand
Carbon	Diamond crystal			P-1	No transition observed between 100 and 580 GPa	Pavlovskii (1971)
Carbon	Diamond pressed powder			P-1	$ \rho_0 = 1.90 \text{ Mg/m}^3 $, no transition observed between 40 and 160 GPa	Pavlovskii (1971)
Germanium						
Germanium	[111], [100], and [114] orientations	12.5		E-2, 5	A second se	McQueen (1964)
Germanium	[111] orientation	13.9 ± 0.3	12-13	G-14	Electrical resistance, τ	Graham <i>et al</i> . (1966)
Germanium	[111] orientation	14.3	16.0	E-1, 10	τ	Pavlovskii (1968)
Germanium	[111] orientation		•••	E	Thermoelectric effect, wave velocities	Jacquesson et al. (1970)
Silicon						
Silicon	Crystal			E-4, 5	Wave profiles, ϕ, ψ	McQueen (1964)
Silicon	[111] orientation	11.2	9.9	E-1, 10	τ	Pavlovskii (1968)
Silicon	[100] orientation	14.0 ± 0.4	10.3	E-6	$6.4 \mathrm{mm}, \tau$	Gust et al. (1971)
Silicon	[110] orientation	10.3 ± 0.7	7.2	E-6	6.4 mm, two successive transitions	Gust et al. (1971)
		12.8 ± 0.7	10.3		observed $ au$	
Silicon	[111] orientation	10.1 ± 0.3	6.8	E-6	6.4 mm, two successive transitions	Gust et al. (1971)
	Augusta and un	13.7 ± 0.5	10.7		observed, τ	
odine						
Iodine	commercial grade	<25		E-14	Electrical resistance	Alder <i>et al</i> . (1956a)
Iodine	Pressed pellet, commercial grade	>8, <13		E-14	Electrical resistance	Alder <i>et al</i> . (1956b)
Iodine	Crystalline	~70	47	?	2 and the state of	Alder et al. (1960), see also McMahan et al. (1975)
Iodine	the states of a		•••	•••	Calculations show no 70 GPa transition	McMahan et al. (1975)
Phosphorus					and the manufacture in a second second	
Phosphorus	Red, pressed pellet	<25		E-14	Electrical resistance	Alder et al. (1956a)
Phosphorus	Red, pressed pellet	<10	•••	E-14	•••	Alder et al. (1956b)
Phosphorus	Red	~2.5	•••		the second statement of the second second	Grover et al. (1958)
Phosphorus	Yellow	~8.0		•••		Grover et al. (1958)
Other elements						
Cerium		~2.5	~2.5	P-2	the state of an and and and and and and and and and	Carter (1973a)
Gadolinium	· ····	~38		P-2	$T_{\mu} \approx 1500 \text{ K}$	Carter (1973a)
Hafnium	a second a star in the	~47	~23	P-2		Carter (1973a)
Selenium	***	· · · · · · · · · · · · · · · · · · ·		G-14	Resistance change	Cole et al. (1971)
Sulfur			•••	D-14	Resistance change, see also Table VII	David et al. (1958)
Tin		9.4		E-6	····	Duff et al. (1968)
Titanium		~18	~12	P-2	····	Carter (1973b)
Titanium	· · ·			D-17	bcc phase recovered for $p_r > 12$ GPa	German et al. (1970a)
Zirconium	and the set of the set of the set of the	~23	~16	P-2	· ···· The state of the second state - · · ·	Carter (1973b)
Zirconium				D-17	bcc phase recovered for $p_x = 3.0$ GPa	German et al. (1970a)
Uranium	and a state of the state of the state of the	~50	20	E-2	$\rho_0 = 19.05 \text{ Mg/m}^3$	Viard (1962)
Ytterbium	Foil	~3.3	•••	G-14	Electrical resistance	Ginsberg et al. (1973)
Plutonium	δ phase	~0.6		G-8, 11	Reversion on unloading at 0.8 GPa	Kamegai (1975)
C. Compounds					e A restricted to the second sec	apendent and the second
KC1	Crystal	~2.1		P-1	$3.5 \text{ mm}, \rho_0 = 1.99 \text{ Mg/m}^3$	Al'tshuler et al. (1963)
KCl	Crystal	2.0+0.08		E-8	···	Larson (1965)
KCl	Pressed	1.89	9.75	E-10	1.6 to 16.5 mm, $\rho_0 = 1.90 \text{ Mg/m}^3$	Dremin $et al.$ (1965)
KCI	[001] crystal	1.9	7.8	E-10	Unloading showed hysteresis of 1.0 GPa	Al'tshuler et al. (1967)
		0.00 . 0.05	0.0	0.0	Import surface management water	Hower (1074)