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TITLE: On the "new" and "old" pressure scales
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TEXT: The discrepancy between the pressure scales given by Kennedy and La Mori (Progress in Very High Pressure Research, John Wiley and Sons, New York, 1961) (new scale) and that given by Bridgman (Proc. Amer. Acad. Arts and Sci., 1952, 81, no. 4, 169) (old scale) is noted. There appears to be a discrepancy between the resistivity and compressibility data. The discrepancy is now thought to be due to the fact that in the former case the pressures correspond to a transition to a denser modification, while in the second case the quoted pressures are the arithmetical averages of the transition pressures obtained with increasing and decreasing pressure, respectively. It is therefore concluded that comparison of the two scales will not indicate whether the old scale is subject to errors or not. The importance of hysteresis effects is emphasized. There is 1 table.
Card 1/2

On the "new" and

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Determining the parameters of the state of solids under high pressures using the displacive piston method. PMTF no.5:107-116 S-0 '62. (MIRA 16:1)

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