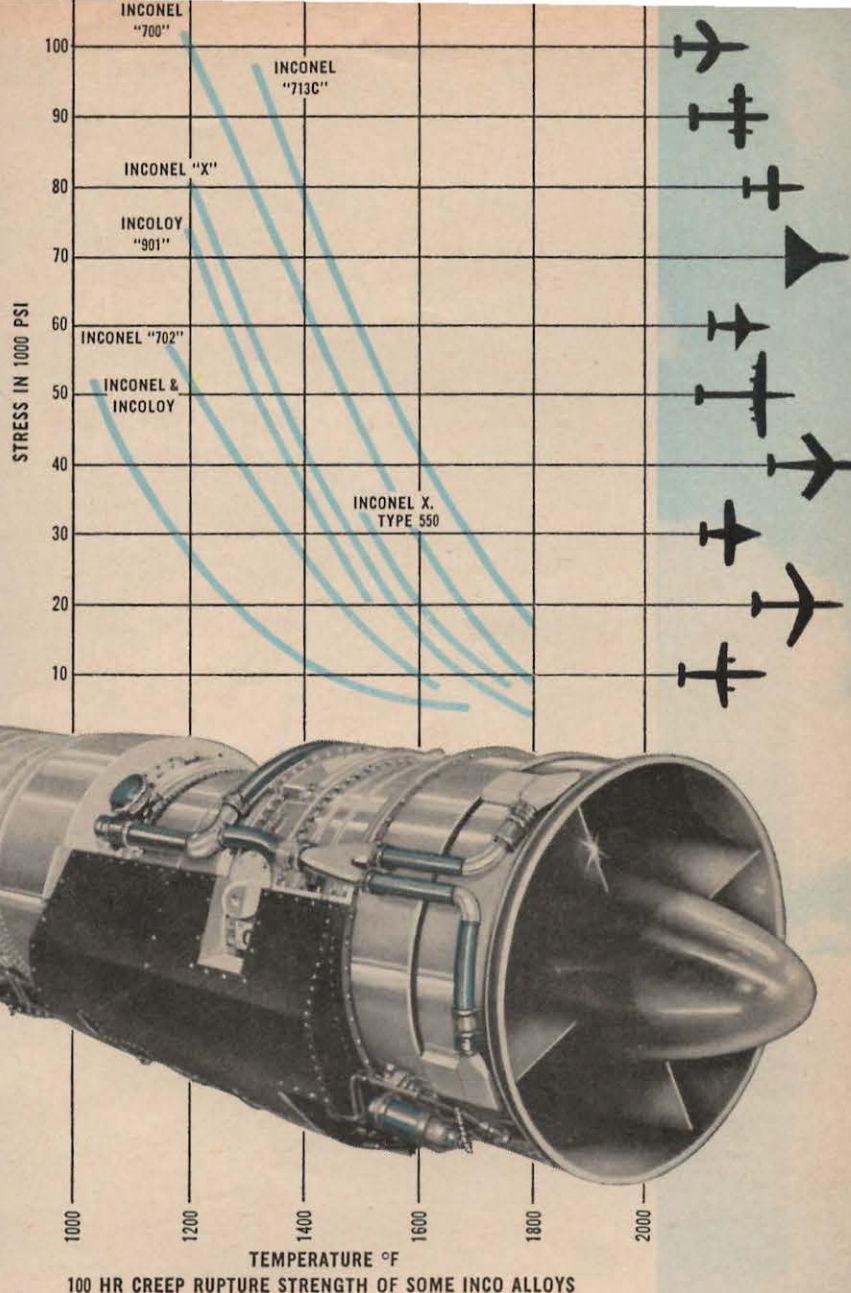
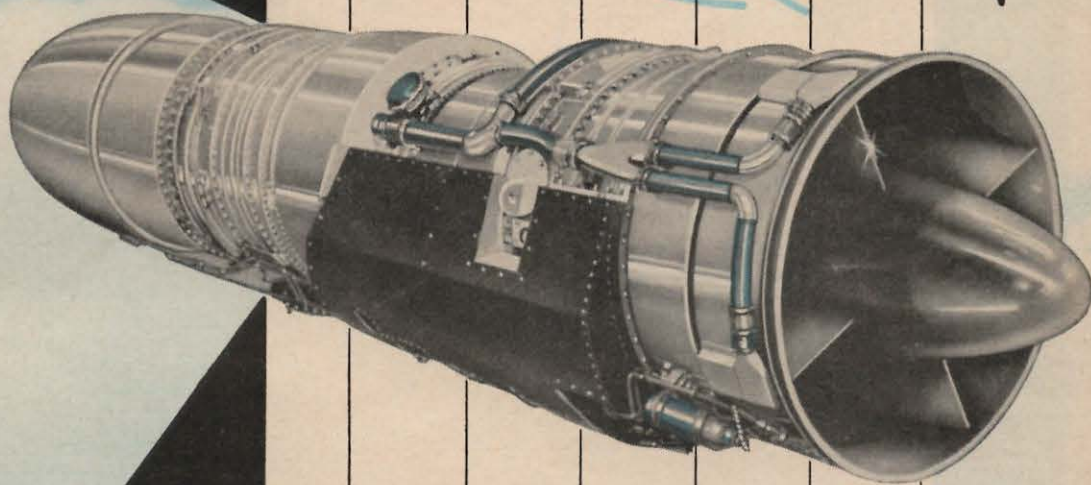


# new Inco alloys

give excellent performance  
in high stress,  
high temperature  
aeronautical applications



Aircraft engineers will recognize this gas turbine engine... the new Orenda "Iroquois". Some of the Inco alloys employed in the "Iroquois" are depicted on the graph above. This graph shows maximum temperatures which these and other Inco alloys will withstand for 100-hour life at various stresses.

Naturally, the selection of materials for high temperature applications involves many other factors not illustrated in this graph. Where stress is low, for example, higher temperatures may be permissible. Much of this technical information has already been accumulated by Inco.

New wrought alloys such as \*Inconel 700 and \*Incoloy 901, developed by Inco, are available for high temperature service. A precision casting alloy—\*Inconel 713C—has recently been added to the group. Alloys that resist oxidation at temperatures up to and beyond 2000°F. have been perfected.

Modern high speed flight has cleared the sound barrier and is penetrating the thermal thickets. Advanced turbo-jets, rockets and ramjets are producing unbelievable levels of power. As power and speed increase, temperatures become more critical. Inco's research and production facilities are dedicated to the task of keeping abreast of these developments.

For information concerning special Inco alloys for high temperature applications, write today.

\*Trade Marks



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