TECHNICAL NOTE

*CONNECTORS FOR ATTACHING SNAP LEADS TO EQUIPMENT
HAVING BANANA JACK TERMINALS*

Behavioral research equipment must often be connected to auxiliary equipment having banana jack input or output connections. The connectors described here permit such connections with standard snap leads and allow the auxiliary equipment to be used with either snap lead or banana plug connections.

The connectors were constructed by sawing $\frac{1}{16}$ in. from the insulating sleeve of H. H. Smith No 212 (single) or No. 210 (double) banana plugs, removing

the $\frac{1}{32}$ brass soldering stud from inside the connector and replacing it with a standard Nu-Way threaded stud. Extruded fiber washers were placed between the stud and insulating sleeve for added mechanical stability. Any combination or arrangement of banana jacks can be connected to behavioral research equipment having snap inputs and outputs by using combinations of these connectors. The connectors save a substantial amount of time and eliminate the need for special-purpose leads which can be used only between specific items of equipment.

A less satisfactory connector can be constructed from banana plugs by using a Nu-Way flush-mount lug and a $\frac{1}{32}$ by 1-in. machine screw. The brass soldering stud is removed from the plug and the flush-mount lug is attached to the plug with the $\frac{1}{32}$ screw. Unless fastened tightly, the Nu-Way lugs tend to turn on the screw, and could cause shorting. Consequently, these connectors are generally suitable only for temporary connections where attached leads will not be subjected to movement or stress.

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