

The following note was added in proof (October, 1963):

RECENT PROGRESS IN THE BROOKHAVEN COIL CONSTRUCTION PROGRAM

W. B. Sampson
Brookhaven National Laboratory

Since Professor Kruger's report, considerable progress has been made in the construction of superconducting solenoids at Brookhaven. The coil described on p.439 was modified slightly to improve the normal-to-superconducting joint and then extended to four sections. This solenoid produced a maximum magnetic field of 52 kilogauss with a current of 63 amperes flowing. While this represents a considerable improvement, the current is still somewhat below that indicated by the straight sample results (see Fig. 8).

This solenoid is presently being extended to the originally planned six sections and it is expected that fields of about 75 kilogauss will be obtained. Smaller solenoids, with a clear inside diameter of one inch, which fit inside the large coil are also under construction using both RCA and NRC material. These inserts are expected to raise the field to about 90 kilogauss.