

INSTRUMENTATION FIELD STATION HEART DISEASE CONTROL PROGRAM
COMPUTER PROCESSED ELECTROCARDIOGRAM
G. HEART STATION

NAME
NUMBER 315560 TAPE 637 OPTION 087 DATE 2-16-67 TIME 02--18--27
HEIGHT 71 WEIGHT 162 AGE 42 MALE PEDS UNKNOWN
BP UNKNOWN

[illegible]

8311 QRS AXIS RANGE -12 TO -59
6171 TALL T WAVES V LEADS

- LEFT AXIS DEVIATION
- CONSIDER HYPERKALEMIA OR POSTERIOR
- WALL ISCHEMIA

Dr. CACERES. With one exception; the analysis is all done by machine. The patient is at the recording end, the computer receives the data from the patient, and the answer goes back to the physician requesting it without ever having gone through a cardiologist's analysis. The physician cardiologist caring for the patient checks it before applying the results but is relieved of routine, repetitive procedures.

Senator NELSON. Is the receiving physician a cardiologist?

Dr. CACERES. The receiving physician need not be a cardiologist. For physicians who are not cardiologists, we are preparing a short program. At the end of the report you see, the computer will give him a statement to the effect that "this electrocardiogram is abnormal, further consultation is suggested," or that the tracing is normal. These statements would indicate to the physician whether he should get a cardiologist.

In other words, we are developing programs that will be suitable for different types of practitioners. We are aware that certain types of practitioners, because of their practices, should not be expert cardiologists but should be expert in their own field. So we will have phraseology for them to let them take advantage of this system.