Lead selection For the recording analysis system, Andom to be practical, the number of leads must be limited. In this case the a single lead is considered sufficient however this lead must contain as much information as possible. All complexes should be district of of reasonable amplitude, 5T variations should be a maximum and noise, should set especially muscle astefacts, should be a minimum. Incomening including mechanical disturbance should be a minimum. The lead which most succesfully meets this criteria is very nearly that of the old 'T' lead of Wilson. One dectrode is placed midline just above the manubiosternal junction

and the second in the anterior axillary over the sixth sib. This combines element of a precordial Lz. + HH D, QRS + I waves are near maximum & normally predominantly assight. Approx. 85% of total 3, T. depsessions to appearing in any lead will appear here. Musele noise from portions of the pectoralis are significantly and prepar but usually only under near waximal efforts involving this masele The lateral lead is subject to some mechanical dislocation but only good electrode design + application mininger make this of no consquere Stress electrodes & applications -Slow records of various activities

regment used here. Each the is sampled just isolketic for the Q wave b back regment is sampled just prior to the ARS complex, a relatively easy task here, since a separate, tape trigger channel is used which provides a trigger in advance of the same complex. The level is sampled and held in a memory circuit until the jaginstions) point is detected by junction of 5 + 3T segment, if the 1QRS is of normal configuration is detected and the level sampled it his level is compared to the isoelectric level and ase paverage of approx 10 secs, is written graphically. The level may be pos-elevation er neg, depression, à a normal sange of ± 5 mm. In addition the a delay part

beyond the j-point may be introduced stock that mides - S.T. segments may be sampled. To allow options further sampling may be arromphished. A manual adjustment allows the sea second sample to be taken at the variations or peak of the T wave such that inversions or may be recorded. Asso possible ore Also possible are two samples of the 5-T segment which would go from which slope would be obtained. Limits for and may be set for such that exceeding a given quantity will either actuate a warming or other circuity such as a direct writer of the EKG.