anvils move simultaneously, symmetrically, and synchronously toward or away from the center of the press as the hydraulic controls are set for advance or retraction of the rams. Ordinarily, six guide pins are used in the Tetrahedral Press anvil guide assembly and three guide holes are used in each guide plate. However, in order to accommodate the x-ray tube and a place for detecting the exiting, diffracted beam, this Tetrahedral Press utilizes only four guide pins and two guide holes in each plate.

- 7. Mounting This press is mounted, apex down, on an angle iron

  frame appropriately constructed to accommodate the Westinghouse
  high intensity tube and its mounting and adjusting brackets. (These
  mounting and adjusting brackets are not supplied with this press.)
- 8. X-ray tube The Westinghouse high intensity x-ray tube is not supplied with this press.
- 9. X-ray Goniometer An x-ray goniometer is not supplied with this press. However, one is available and is detailed in a separate proposal.