

## X. X-RAY DIFFRACTION STUDIES\*

### Academic and Research Staff

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### RESEARCH OBJECTIVES

A new development that allows the elimination of the Compton modified component in the measurement of the x-ray scattering from amorphous solids<sup>1</sup> is being utilized for a refined determination of the structure of the simple glasses. The more important simple compositions, such as  $\text{SiO}_2$ ,  $\text{B}_2\text{O}_3$ ,  $\text{GeO}_2$ ,  $\text{Na}_2\text{O}-\text{B}_2\text{O}_3$  are being investigated.

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### References

1. B. E. Warren, Rev. Sci. Instr. 36, 196, 1965.

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