

## A TELEPHONE CONCERT.

### A Feature of One of Professor Blake's Forthcoming Lectures at the Y. M. C. A.

The second in the course of lectures by Professor Lucien I. Blake, on "Electricity and Its Modern Applications," will be given in the auditorium of the Young Men's Christian Association, Ninth and Locust streets, this evening at 8 o'clock.

Professor Blake's return to the city as a lecturer has awakened the enthusiasm which he created when he was here before. At the first lecture in this course there were 400 interested people present, and he held their close attention for an hour and a half.

The lecture to-night will have in connection with it some new and striking experiments; in fact, the lectures will include many new experiments, showing the latest electrical advances.

At an early lecture a novel exhibition will be given, consisting of a telephone concert. Connection will be made from St. Joseph or some other neighboring point with this city, and a wire will be run directly into the hall. Some choice music rendered at the other end of the line will be given by means of an electrical arrangement for magnifying the sound, so that it will be as clear and distinct as if given in the hall itself.

The following is a syllabus of the lecture to-night:

The electro-magnetics of the current—Its magnetic lines of force. Its magnetic field. The helix and its field. The electro-magnet: Magnetic permeability; ampere-turns; different forms of electro-magnets; influence of pole pieces; magnetic screening; magnetic properties of iron and steel; coercive force; remnant magnetism; magnet poles; Ampere's theory of magnetism; Ewing's latest theory; magnetic circuit; magnetic motive force; magnetic reluctance; magnetic flux; inaccuracy of the law of inverse squares; electro-magnets for greatest attraction; electro-magnets for greatest range of attraction; application in bells, telegraph, annunciators, etc.