Prof. Bear Lectures On X-Ray Diffraction

In a recent lecture sponsored by the Sedgwick Biological Society, Professor Richard S. Bear, Department of Bio-Physics, explained the principles of X-Ray diffraction and its use in Biology. Professor Bear is a pioneer in the field of X-Ray diffraction. This is a newly developed process, for although some experiments were carried out during the first few years of this century little progress was made until the middle thirties.

When an X-Ray is passed through a small specimen of matter the rays are diffracted and will record as a pattern on photographic paper. These patterns can be used to determine the orientation of particles in matter and the identification and analysis of a specimen. Measurements of a particle may also be made.

Professor Bear exhibited an interesting collection of exposures, explaining what each pattern disclosed about the structure of the specimen photographed.

Wellesley Bus takes you and your date to Wellesley; brings you back to Cambridge.

CALENDAR OF EVENTS

The Calendar will not be published for the next two weeks, March 22 to April 4. Material for the Calendar, April 5-11, is due in the Office of the Editor, Room 7-204, not later than noon on Thursday, March 30.

DIVISION OF HUMANITIES SERIES CONCERT

The final concert of the season will be given by a trio including Willem Valkenier (French horn), who is the principal of the French horn section of the Boston Symphony Orchestra; Professor Klaus Liepmann (violin), M.I.T.; and Gregory Tucker (piano) a member of the faculty of the Longy School of Music and instructor of music at Harvard College and M.I.T. Room 10-250, 8:30 p.m.

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*By Recent National Survey

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CALENDAR (Continued from Page 2)

English and History Department, "Historical Periods: Their Affinities and Conflicts." (Continued) S. Giedion, Visiting Professor of History, Room 5-10H, 4:00 p.m.

Mechanical Engineering Department. Film showing: "Steam for Power," Room 1-298, 4:00 p.m.

Tech Model Railroad Club, Business meeting. Room 226-216, 5:15 p.m.

Paul Hindemith
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ST. JOHN PASSION
OF HEINRICH SCHÜTZ

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Helioplane (Continued from Page 1)

Featured among these devices are an automatically controlled variable-pitch propeller, large full-length flaps, automatic wing slots, simplified control and cross-wind landing gear. The plane also boasts a crash-resistant all-metal structure combined with fireproof wing and fuselage design.