

and must agree to observe the rules established for the management of the reading-room.

6. In accordance with a legal statute, a library fee, payable in advance, is collected from every member at the beginning of each semester. For ordinary members, to each of whom a private drawer in the reading-room may be assigned, the fee is five marks, and for other members it is three marks. In addition, there is a deposit of three marks required from each member receiving a key, and returnable upon the surrender of the key.

7. The collection of these fees and the maintenance of order in the reading-room are in charge of the librarian, under the supervision of the directors. Members are required to obey his instructions. Further regulations will be announced by means of notices in the reading-room.

The directors of the seminary of mathematics and physics: RIECKE, SCHERING, VOIGT, KLEIN, SCHUR, WEBER.

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#### NOTES.

A REGULAR meeting of the NEW YORK MATHEMATICAL SOCIETY was held Saturday afternoon, November 4, at half-past three o'clock, the president, Dr. McClintock, in the chair. Mr. Isaac Hodges Turrell of Cincinnati, Ohio, having been duly nominated, and being recommended by the council, was elected a member. Professor Fletcher Durell read a paper entitled "Application of the new education to the differential and integral calculus," in which he advocated the presentation of the first principles of the calculus from an almost purely geometrical point of view. T. S. F.

THE National Academy of Sciences met in the Capitol at Albany, November 7-9. The papers presented included one by Dr. S. C. Chandler, entitled "Additional researches on the motion of the earth's pole." Dr. Chandler finds that the most recent observations obtainable (some still unpublished) confirm the law deduced by him. He showed that the two separate motions of the pole both take place from west to east. Dr. Chandler's paper was discussed by Professors Hall, Newcomb and Boss. They all expressed themselves as now favoring the truth of Dr. Chandler's law of variations. Professor C. S. Hastings read a paper on "A new form of telescopic objective, as applied to the twelve-inch equatorial of the Dudley Observatory." The principal characteristics of this instrument are: first, that one of the