

Foundation are scheduled as follows: Dr. C. F. Kettering, of the General Motors Corporation, Detroit, Michigan; Dr. Julius Stieglitz, of the University of Chicago; Dr. James F. Norris, of the Massachusetts Institute of Technology; Dr. Gilbert N. Lewis, of the University of California; Dr. Irving Langmuir, of the General Electric Company, Schenectady, N. Y.; Professor Alfred Stock, of the Technische Hochschule, Chemisches Institut, Karlsruhe, Germany, and Professor Simon, of the University of Breslau.

THE LOWELL LECTURES

THE Lowell Institute program of free public lectures for 1931-32, the ninety-second year of the Boston foundation, is announced by President A. Lawrence Lowell, trustee, and Professor W. H. Lawrence, curator. The lectures began on October 26, and will end during the latter part of March.

According to a statement in the Boston *Evening Transcript*, there are nine courses scheduled, a total of sixty-one lectures, or about the usual number. The opening date is nearly four weeks later than the opening of the season of last year and two weeks later than the season of two years ago. Five of the lecturers are coming from abroad and two are from Harvard University.

The first course, to be given on Mondays and Thursdays at five o'clock in the afternoon, began on Monday October 26. It is by Dr. F. van Bemmelen, formerly professor of zoology at the University of Groningen, the Netherlands, on "Color and Shape in the Living World." The topics are as follows:

1. The Development of the Color-Pattern and the Veins on the Wings of Butterflies.

2. The Relations of Skin-Design between Caterpillar, Pupa and Butterfly.

3. A Natural Explanation of the Origin of Mimicry in Butterflies.

4. The General Plan of Skin-Design in Mammals.

5. The Phenomenon of Second-Self in Man, Explained by Heredity of Family Likeness.

6. The Heredity of Curly Hair in Man, Studied by Means of Portraits.

7. The Ancestral Table and the Parentela: the Two Principal Methods for the Study of Human Family Descent.

8. Sexual and Asexual Propagation, in Their Relation to the Cell Theory.

Second on the list is a course of six lectures with illustrations by Dr. W. de Sitter, director of the observatory and professor of astronomy at the University of Leiden, on "The Development of our Insight into the Structure of the Universe." This course will be delivered on Tuesdays, Fridays and Saturdays at 8 P. M., and began on Tuesday, November 3. The topics are as follows:

1. Aims and Methods of Scientific Research. The Ancients. Ptolemy and Copernicus.

2. The Birth of Modern Astronomy: Kepler, Galileo, Newton. The Eighteenth Century.

3. The Beginning of Sidereal Astronomy: William Herschel and His Successors.

4. Further Observational Advances. The Survey of the "Local System": Lifework of J. C. Kapteyn.

5. Photography and Spectroscopy. The Great Telescopes. Extragalactic Systems.

6. Relativity and Modern Theories of the Universe.

SCIENTIFIC NOTES AND NEWS

THE Nobel Prize in medicine and physiology for 1931 has been awarded to Professor Otto Warburg, head of the department of biology of the Kaiser Wilhelm Institute, for his work on cellular metabolism.

THE Perkin Medal Committee of the American section of the Society of Chemical Industry has awarded the Perkin Medal for 1932 to Dr. Charles F. Burgess, of the Burgess Laboratories, Madison, Wisconsin, for his achievements in the field of electrochemistry. The medal will be presented to Dr. Burgess at a meeting in New York on January 8.

MASANI NAGATA, the Japanese melon farm foreman and amateur astronomer, has been awarded the Donohoe Comet Medal by the Astronomical Society of the Pacific for his discovery last July.

DR. WALDEMAR C. BRÖGGER, professor emeritus of geology at the University of Oslo, Norway, will celebrate his eightieth birthday on November 10.

DR. H. FOSTER BAIN, who resigned recently as secretary of the American Institute of Mining and Metallurgical Engineers to become managing director of the Copper and Brass Research Corporation, received a gold watch from the officers and directors of the institute at the monthly dinner and meeting of the New York section at the Hotel Commodore on October 28. The speakers included Mr. J. V. W. Reynnders and Mr. E. DeGolyer, past presidents of the institute, Mr. A. B. Parsons, the incoming secretary, and Dr. Bain.

AFTER a letter from Lord Beauchamp to the University of London Graduates' Association announcing his resignation as chancellor of the university had been read at a meeting of the council, it was resolved unanimously to invite Lord Moynihan, president of the Royal College of Surgeons of England, and a graduate of the university, to accept the association's nomination for the office of chancellor.