

FRIDAY, DECEMBER 29.

Forenoon.—At the close of the general session of the American Association for the Advancement of Science, Section C will hold a brief session for organization. This will be followed by the opening session of the American Chemical Society in the same room at about 11:45 A.M. Two addresses will be given: 'Some Important Problems in Agricultural Chemistry,' by Harvey W. Wiley; 'Recent Experimental Researches on Osmosis,' by Louis Kahlenberg.

Afternoon, 2:30 P.M.—Address of the retiring chairman of Section C of the American Association for the Advancement of Science, Leonard P. Kinnicutt. Subject: 'The Sanitary Value of a Water Analysis.'

SATURDAY, DECEMBER 30.

Forenoon.—Session of the American Chemical Society at 9:30 A.M. Subject: 'The Construction of a Chemical Laboratory,' by William L. Dudley. This will be followed by meetings of the sections: Physical and Electrochemical, Louis Kahlenberg, chairman; Inorganic, William L. Dudley, chairman; Organic, Charles F. Mabery, chairman; Agricultural and Sanitary, Harvey W. Wiley, chairman; Industrial, Samuel W. Parr, chairman.

If enough papers are offered to warrant it, a biological section will be formed, with William J. Gies as chairman.

Afternoon, 2 P.M.—Excursions to visit industrial establishments. The following excursions have been suggested, but the exact details are not yet arranged: Visits to a sugar refinery, a molasses distillery, a cotton-seed oil mill, cotton compress, plants for the distillation of wood and for the manufacture of vinegar by the rapid process from molasses, fertilizer works and rice mills.

Evening, 8 P. M.—The retiring president of the American Chemical Society, Francis P. Venable, will deliver an address upon the subject of 'Chemical Research in the United States.'

MONDAY, JANUARY 1.

Forenoon, 9:30 A. M.—General meeting of Section C of the American Association for the Advancement of Science, at which Professor Charles F. Mabery will preside. Addresses: 'The Composition of Petroleum from American Fields—Pennsylvania, Ohio, Texas, Kansas, Wyoming, Colorado, Kentucky and California,' by Charles F. Mabery; 'Some Notes on the Service Waters of a Railway System,' by Samuel W. Parr. These addresses will be followed by meetings of the sections.

Afternoon, 2 P.M.—Excursions to visit industrial establishments.

Evening, 7 P.M.—A subscription dinner open to all chemists in attendance on the meeting.

TUESDAY, JANUARY 2.

Forenoon, 9:30 A.M.—Meetings of the sections, or visits to industrial establishments, according to the exigencies of the program.

RAILWAY RATES FOR THE NEW ORLEANS MEETING.

THE railway rates for the New Orleans meeting of the American Association for the Advancement of Science are now all in. As already noted in previous numbers of SCIENCE and in the preliminary announcement, which is now in the hands of all members, a standard rate of one fare plus twenty-five cents for the round trip has been granted by the Southeastern Passenger Association and by the Central Passenger Association. The Southeastern Passenger Association includes the territory south of the Ohio and Potomac Rivers and east of the Mississippi except that in West Virginia the territory is south of Charleston and in Virginia the town of Staunton is in the Trunk Line Association. The Central Passenger Association includes the whole of Michigan, Ohio and Indiana, the northwest corner of Pennsylvania and lower Ontario, in addition to the southern and eastern portion of Illinois. The Trunk Line Association, including New York, New Jersey, Delaware and Maryland, and all of Pennsylvania, except the northwestern corner, West Virginia north of Charleston, and northwestern Virginia, offers one fare and one third to the southern or western termini of Trunk Line railroads, and one fare plus twenty-five cents from those points. The Western Passenger Association, including the northern peninsula of Michigan, Wisconsin, Minnesota, the eastern half of North Dakota, all of South Dakota, Nebraska, Iowa, Kansas, the northern portion of Illinois, the northern portion of Missouri north of St. Louis, and the eastern half of Colorado, offer one fare plus two dollars for the round trip, except that from points from which the local railway rate to the eastern gateways of the Association (Chicago, Peoria and St. Louis)

is six dollars or less through rate is made on the basis of fare and one third for the round trip to such gateways added to rate of one fare plus twenty-five cents for the round trip tendered therefrom, provided that where such one and one-third fare to Chicago is two dollars or less, fifty cents additional be added for return transfer. The Southwestern Excursion Bureau, which includes all of Texas, Missouri south of St. Louis, and a central strip through Illinois up to Chicago, offers one fare plus two dollars. The Trans-Continental Passenger Association, which includes the Pacific coast states, offers rate of approximately two cents per mile, or about one fare and a third for the round trip.

The purchasing dates are as follows: Trunk Line Association from Washington, December 26, 27, 28, 29; from other points, December 26, 27, 28. Central Passenger Association, December 26, 27, 28. Southeastern Passenger Association, December 27, 28, 29. Western Association, December 26, 27, 28.

The date of return is arranged so that ticket holders must reach original starting point not later than January 6 in all cases, except under the Trans-Continental Association.

SCIENTIFIC NOTES AND NEWS.

A CABLEGRAM to the daily papers states that the Nobel prize in medicine has been awarded to Professor Robert Koch, of Berlin, the prize in physics to Professor Philipp Lenard, of Kiel, and the prize in chemistry to Professor Adolf von Baeyer, of Munich.

DR. ALBRECHT PENCK, professor of geography in the University of Vienna, has been elected a member of the Vienna Academy of Sciences. Dr. Richard Hertwig, professor of zoology at Munich, has been elected a corresponding member of the same academy.

THE Geological Society of London has elected Professor Louis Dollo, Brussels, and Professor A. Rothpletz, Munich, to be foreign members in the places of Baron F. von Richt-hofen and Professor Gustave Dewalque, both recently deceased.

DR. WILHELM WUNDT, the eminent psychologist of the University of Leipzig, celebrated

the fiftieth anniversary of his doctorate on November 10.

DR. E. EHLERS, professor of zoology at Göttingen, who celebrated his seventieth birthday on November 11, has been elected a corresponding member of the Senckenbergische Naturforschende Gesellschaft at Frankfurt.

THE council of the Royal Meteorological Society has awarded the Symons gold medal to Lieutenant-General Sir Richard Strachey, G.C.S.I., F.R.S.

PROFESSOR C. S. SHERRINGTON, F.R.S., and Professor R. Threlfall, F.R.S., have been elected honorary fellows at Gonville and Caius College, Cambridge.

PROFESSOR C. S. SARGENT, of Harvard University, has sailed for Chili and the mountains of South America to obtain specimens for the Arnold Arboretum.

PROFESSOR WILHELM OSTWALD addressed the Washington Academy of Sciences on November 28, on 'The International Language.' The address was discussed by Professor Maurice Bloomfield, of the Johns Hopkins University, and by Professor M. Carroll, of the George Washington University.

PROFESSOR A. V. STUBENROUCH, of the University of California agricultural department, has accepted a position in the division of pomology in the Bureau of Plant Industry of the United States Department of Agriculture.

CAPTAIN ADMUNDSEN, as the daily papers have fully reported, has succeeded in passing through the Northwest Passage, and making observations about the North Magnetic Pole.

SIR CLEMENTS MARKHAM lectured before the Royal Geographical Society on November 13, on 'The Next Great Arctic Discovery,' which he held to be exploration over the continental shelf of Beaufort Sea.

PROFESSOR HERBERT C. SADLER, of the department of marine engineering at the University of Michigan, has returned from a trip in the east, where he attended a meeting of the Society of Naval Architects and Marine Engineers in New York City. During his absence he delivered a lecture before the marine engineering department of the Boston Polytechnic Institute on 'The Present Status