

17. DESERT PLANT, AND ADDITIONAL PROBLEM.—\$1,500 a year for 1 year; \$300 apparatus fund. Bonus, 7% interest ind. results. Two Fellows. The original object of this Fellowship proved impossible of an industrial solution, owing to the fact that investigation of the plant concerned showed that it contained nothing of potential industrial value. The object of the investigation was thereupon changed and the ultimate results are not yet determinable.

18. BAKING.—\$6,000 a year for 2 years; \$500 apparatus fund. Bonus, \$10,000. Three Fellows. Was established by the same company on the basis of the success of No. 4. While it has been in operation only since September, it already unquestionably deserves its bonus.

19. ALUMINUM.—\$5,000 a year for 2 years, including apparatus fund. Bonus, \$10,000. Two Fellows. A Fellowship yielding results of prime importance.

20. GLUE.—\$1,500 a year for 2 years; \$300 apparatus fund. One Fellow. Was established on the basis of the success of No. 5.

21. SOAP.—\$1,500 a year for 2 years; \$300 apparatus fund. One Fellow. Was established on the basis of the success of No. 6.

22. GLASS.—\$1,500 a year for 2 years; \$300 apparatus fund. One Fellow. Is already unquestionably successful.

23. RELATION OF ELECTRICAL POTENTIAL TO CATALYTIC ACTION.—\$1,500 a year for 2 years; \$300 apparatus fund. Bonus, 5% industrial results. One Fellow. A most interesting Fellowship on a most interesting subject. This research is remarkable in that the donor desires that the institute should receive for its own purposes 70 per cent. of the results.

24. EXTRACTION OF COPPER FROM ITS ORES AND FROM COPPER "TAILINGS".—\$1,500 a year for 1 year; \$300 apparatus fund. One Fellow. Established in correlation with No. 16. It is already yielding promising results.

25. YEAST.—\$5,200 a year for 2 years, including apparatus fund. Bonus, \$10,000. Four Fellows. A strong Fellowship in operation only since September.

26. HARDENING OF FATS.—\$1,000 a year for 1 year; \$300 apparatus fund. Bonus, 49% interest. One Fellow. This Fellowship was transferred from the University of Kansas. It has already yielded an important industrial process.

27. LEATHER SCRAP.—\$1,000 a year for 1 year; \$200 apparatus fund. Bonus, 10% interest. One Fellow. It is impossible to forecast the end of this Fellowship.

28. FERTILIZER.—\$2,500 a year for 2 years, including apparatus fund. Bonus, \$5,000. One Fellow. Began operation on January 5, 1914.

29. COPPER.—\$6,000 a year for 1 year, including apparatus fund. Three Fellows. Was established in co-operation with Fellowships No. 24 and No. 16. The results of this Fellowship would probably justify the total expenses of the whole Fellowship system.

30. RADIATORS.—\$2,000 a year for 2 years, including apparatus fund. Bonus, \$5,000. One Fellow. Went into operation in April, 1914.

31. TURBINE ENGINES.—\$1,800 a year for 1 year, including apparatus fund. Bonus, \$3,000. Fellow (not yet appointed). (January 5, 1914.) Has been accepted.

32. GLASS.—\$1,800 a year for 1 year, including apparatus fund. Bonus, 25% interest. One Fellow. Has been accepted.