

GLASS OF THE ANCIENTS.

The Blowers of Thebes Were Experts Many Centuries Ago.

The glassblowers of ancient Thebes are known to have been as proficient in that particular art as is the most scientific craftsman of the same trade of the present day after a lapse of forty centuries of so called "progress." They are well acquainted with the art of staining glass and are known to have produced that commodity in great profusion and perfection. Rosellini gives an illustration of a piece of stained glass known to be 4,000 years old, both in color and design. In this case the color is struck through the vitrified structure, and he mentions designs struck entirely in pieces from a half inch to three-quarters of an inch thick, the color being perfectly incorporated with the structure of the piece and exactly the same on both the obverse and reverse sides.

The priests of Ptah at Memphis were adepts in the glassmaker's art, and not only did they have factories for manufacturing the common crystal variety, but they had learned the vitrifying of the present stones to perfection. Their imitations of the amethyst and of the various other colored gems were so true to nature that even now, after they have lain in the desert sands from 2,000 to 4,000 years, it takes an expert to distinguish the genuine article from the spurious. It has been shown that, besides being experts in glassmaking and glass coloring, they used the diamond in cutting and engraving glass. In the British museum there is a beautiful piece of stained glass, with an engraved emblemment of the monarch Thothmes III, who lived 3,400 years ago.

THE ATMOSPHERE.

First Attempt to Weigh It Was Made by Aristotle.

If we are to believe both legend and history, the first attempt to weigh air was that made by Aristotle, the great Greek philosopher of the fifth century. He first weighed an empty goatskin bag and then inflated it and again put it in the balances, and because he found no difference in weight under the two conditions announced to the world that air was a substance wholly without weight.

With modern laboratory apparatus most any high school scholar can demonstrate the fact that a flask of ten cubic inches capacity weighs fully three grains more when filled with air than it does after being placed under the exhaust of an air pump. The numerous experiments that have been made on the weight of air warrant the scientists in announcing that the weight of the whole terrestrial atmosphere is about equal to that of a solid copper ball sixty-two miles in diameter. The philosophers have also shown that the weight of the atmosphere must be limited to where gravity overcomes the centrifugal force. If it were of equal density throughout its height above the earth, it could not extend a greater altitude than 27,818 feet, which would leave about 1,200 feet of Mount Everest sticking out above the atmosphere. It is a well known fact, however, that air loses its weight and density as we ascend from the sea level, and calculations which have been made on that basis go to show that there may be a stratum of very thin air at a height of 21,000 miles.

The Use of Quinine.

People who suffer with the liver and who get run down in nerve strength sometimes complain that quinine does them no good, says a physician. The reason is this: When quinine passes into the intestine it is acted on by the bile and forms with it a salt that is soluble only in a great excess of bile, so it passes out of the system without entering the blood at all. To prevent this bilious persons ought to clear out the bile by a good liver pill or a saline purgative before the quinine is taken. Even when the liver is not affected it is always best to take such medicines before using quinine.

The Earth and Man Compared.

If it were possible for a man to construct a globe 800 feet in height—much less than twice the height of the Washington monument—and to place upon any portion of its surface an atom one four thousand three hundred and eightieth of an inch in diameter and one one hundred and twentieth of an inch in height, it would correctly denote the proportions man bears to the gigantic globe upon which he stands.

A Kissing Duel.

At some amateur theatricals in Victoria two people in the stalls, whenever the heroine was kissed, kissed each other loudly and with ostentation. It turned out that the man in the audience was the husband of the heroine, who disapproved of her theatrical tastes and, with the help of an amiable friend, took this way of reproving them.—Sydney (Australia) Bulletin.

An Accomplishment to Be Revived. Tommy Harduppe—Can you whistle, Mr. Wigwag? Wigwag—No, my boy. My whistling days are over. Tommy—Then you'd better learn again. Wigwag—Why? Tommy—'Cause I heard pop say he owed you some money and you'd have to whistle for it.

Fixed For Life.

"I can't understand how that young lawyer lives. I've never heard of him having a client."

"You haven't? Why, he is one of the people who helped to break old Bigger's will. He doesn't need clients."—Chicago Record-Herald.

SAMPLE BALLOT

Official Primary Nominating Election Ballot for the Republican Party, for SEASIDE PRECINCT, Clatsop County, Held on April 20, 1906

Mark a Cross (X) between the Number and the Name of Each Candidate Voted for

STATE

FOR UNITED STATES SENATOR IN CONGRESS (to fill vacancy) Vote for One

12. FRED W. MULKEY of Multnomah County.

FOR UNITED STATES SENATOR IN CONGRESS (For term beginning March 4, 1907. Vote for One

13. JONATHAN BOURNE, JR., of Multnomah County. "I will support President Roosevelt's determination that justice be done all men."

14. H. M. CAKE of Multnomah County.

15. STEPHEN A. LOWELL of Umatilla County.

16. E. L. SMITH of Wasco County.

17. E. B. WATSON of Multnomah County. "Popular rights cannot be surrendered for the advancement of private interests."

SECOND CONGRESSIONAL DISTRICT.

FOR REPRESENTATIVE IN CONGRESS. Vote for One

18. W. R. ELLIS of Umatilla County.

19. WILLIAM J. LACHNER of Baker County. "Roosevelt's rate policy, tariff revision, Chinese exclusion, free trade Philippines, open Columbia."

20. JOHN L. RAND of Baker County.

21. GEORGE S. SHEPHERD of Multnomah County. "Make dirt fly at Panama and save twelve thousand miles to market."

FOR GOVERNOR. Vote for One

22. HARVEY K. BROWN of Baker County. "In favor of the Primary law, abolishment of machines, enforcement of laws, woman suffrage."

23. T. T. GEER of Marion County. "Government of the people, and for the people—Lincoln."

24. CHARLES A. JOHNS of Baker County.

25. CHARLES A. SEHLBREDE of Coos County. "Strict Constitutional and law observance, sacred protection of peoples' rights. No grafts."

26. JAMES WITCOMBE of Benton County. "Honest and fearless performance of public duty. A greater and united Oregon."

FOR SECRETARY OF STATE. Vote for One

27. FRANK W. BENSON of Douglas County.

28. CLAUD GATCH of Marion County.

29. LOT L. PIERCE of Marion County.

30. FRANK T. WRIGHTMAN of Marion County.

COUNTY

FOR STATE SENATOR FROM CLATSOP COUNTY. Vote for One

45. W. T. SCHOLFIELD.

46. JAS. W. WELCH. "For good roads, a seawall, and a greater Astoria."

FOR REPRESENTATIVES FROM CLATSOP COUNTY. Vote for Two

47. ASMUS BRIK.

48. C. J. CURTIS.

49. W. J. INGALLS.

50. JOHN C. McCUE.

51. PAUL L. STANGELAND.

FOR COUNTY JUDGE. Vote for One

52. C. W. CARNAHAN.

53. J. A. EAKIN.

54. T. S. JEWETT.

FOR COUNTY COMMISSIONER. Vote for One

55. C. C. MASTEN.

FOR STATE TREASURER. Vote for One

31. JOHN H. AITKIN of Baker County.

32. E. V. CARTER of Jackson County.

33. RALPH W. HOYT of Multnomah County.

34. AUGUSTUS C. JENNINGS of Lane County. "Favors rigid economy in state institutions, bank examiner, tax franchises and corporations."

35. THOS. F. RYAN of Clackamas County. "Favors law prohibiting using public money for private gain or corporation profit."

36. GEO. A. STEEL of Clackamas County.

FOR SUPREME JUDGE. Vote for One

37. ROBERT EAKIN of Union County.

FOR ATTORNEY-GENERAL. Vote for One

38. A. M. CRAWFORD of Douglas County.

39. GEORGE H. DURHAM of Josephine County.

FOR SUPERINTENDENT OF PUBLIC INSTRUCTION. Vote for One

40. J. H. ACKERMAN of Multnomah County.

FOR STATE PRINTER. Vote for One

41. WM. J. CLARKE of Marion County.

42. WILLIS S. DUNIWAY of Multnomah County. "Pledges economical business administration; square deal for taxpayers; no deals with bosses."

43. J. R. WHITNEY of Linn County. "Pledges faithful performance of duty and strictest economy in the people's interest."

FOR COMMISSIONER OF LABOR STATISTICS AND INSPECTOR OF FACTORIES AND WORKSHOPS. Vote for One

44. O. P. HOFF of Multnomah County.

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