



The Flow's first crossword puzzle is brought to you by Coatings by Sandberg, Inc.

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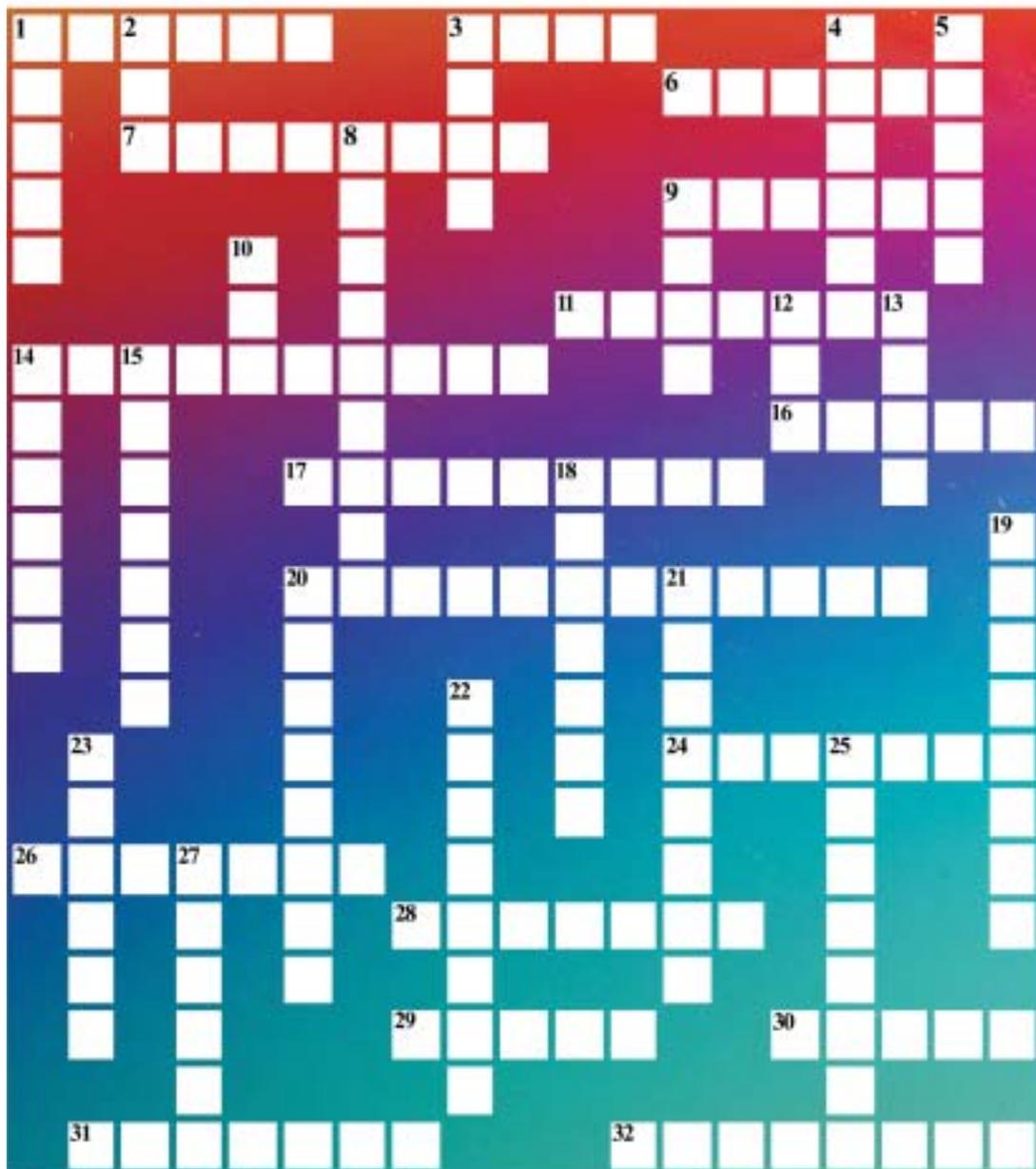
Across:

1. a hollow gather before shaping.
3. color made by using cobalt oxide or cobalt carbonate.
6. to raise the temperature of a piece of glass to relieve internal strains.
7. pointed tong-like tool used to grab or manipulate objects.
9. result of glass being in a condition of stress.
11. rod or wire on which a glass bead is wound.
14. "a thousand flowers" in Italian.
16. a tube that divides into two branches and then comes back together again, usually forming a round ring.
17. sandals and long waves inspire this 30 year lampworker.
20. known as the grandfather of fuming.
24. a heavily flammable gaseous alkane, C₃H₈.
26. spool shaped bit of glass connecting top to stem to foot.
28. natural force that helps keep your feet on the ground.
29. _____ Townsend
30. from the french word "pontil".
31. epicenter of all things glass on the east coast.
32. heating colored glass above normal annealing temperature to bring out its true color.

Down:

1. stabilizing agent used in borosilicate.
2. a blob of glass used as decoration or as an attachment.
3. to injure or damage by exposure to heat or fire.
4. _____ Toffolo
5. artist featured on the cover of The Flow's first issue.
8. fancy cane with spiral patterns.
9. unpurified silica
10. the relative amount a material will expand when heated. (abbreviation)
12. word used to describe colored canes or clear cylinders of glass.
13. _____ Tagliapietra
14. flat surface on which glass is manipulated.
15. fabled city of glass in east Germany.
18. Bohemian lampworker. _____ Blauschka.
19. round disk of glass formed by

- spinning and flattening an opened bubble.
20. master of the montage, Fred _____.
21. carbon material commonly used in glassblowing tools.
22. plate glass with an iridescent metal coating.
23. fire-proof fabric used in gloves and protective wear.
25. glass school in Stanwood, Washington.
27. title of person in charge of a glassblowing team.



Please send your completed crossword puzzle to The Flow, 713 WSW Loop 323 #101, Tyler, TX 75701.

All puzzles received by October 31, 2004 will be entered in a drawing for three dichroic borosilicate sample kits (retail \$60 ea.) generously donated by Coatings by Sandberg.

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