



The **ART** of Wine

VINUM VINE

“ Drink wine and tomorrow we will wake,
Drink love and we shall be drunk forever... ”

T





I had my first taste of wine at 6 p.m. a couple years ago; during an Organic Chemistry II lecture (held in one of the largest University lecture halls in America (200 + seats)).

I sip wine,
while knowing the consequence and taboos of in-class alcohol consumption.

It was an Italian 187 mL imported Merlot Cavit Collection, screw capped; which was enjoyed with six French's cinnamon raisin cookies.

While enjoying, I was
learning about aromatic compounds and carbon cation.

On May 25, 2010: I have decided to publish my story.

This book is not about wine; it's about what you can do with the idea.

Cheers, and enjoy!



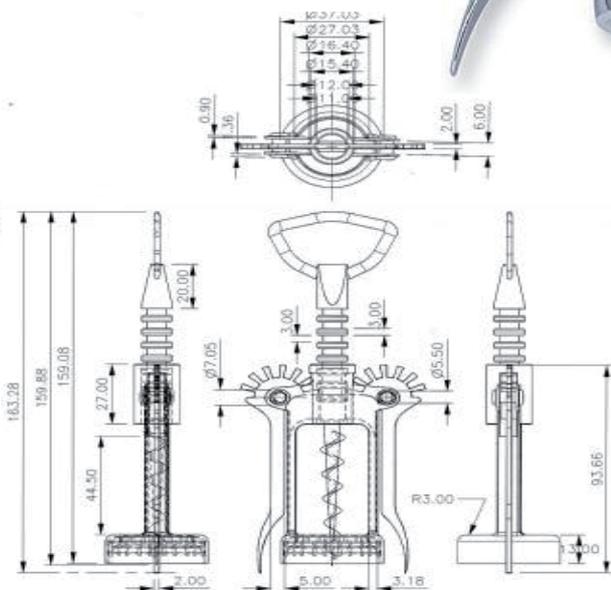
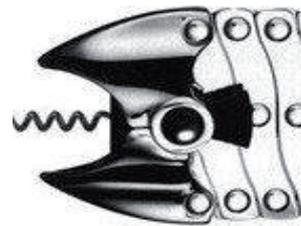
Nymphs offering Bacchus wine (1670-78) : Caesar Van Everdingen

In the 1600s, the Benedictine monks invented bottle stoppers out of wood and rags. 150 years later, Spain invented the first cork stopper.

Then came the invention of a **corkscrew**



Alison Brewster



Tiffany & Co.

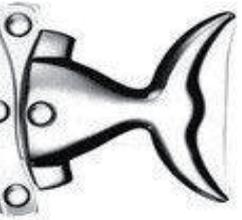




Alessi



Georg Jensen



Alessi Alessandro M.

Typography is emotional and complex. For the love of typography; we toast to a few great fonts.



Ned Wright



The Leasing Studio



Sohne



Stockholm Design Lab



Gut Oggau Portrait Wines | Jung Von Matt

Meeta Panesar Designs, with Op Art tradition of Joseph Albers





Matsu Wine. "El Picaro", "El Recio", and "El Viejo" | Javier Euba of Moruba, an organic wine from Tor D.O.

Click Wine Group | Bootleg Wine

The colors represent Pinot Grigio, Sauvignon Blanc, Chianti, Southern Red, and Grand Tuscan.





THIS
IS AN
INTER-
VENTION
!!!

I'LL
DRINK
TO
THAT!

Couture International | Normand Couture



Denelli Living



The Attitude Chairs | Fritz Hansen
for Danish furniture designer Morten Voss



classic



modern





Jakob Wagner

Carl Mertens





Washington | USA

Kansas | USA





Beijing | China

New York | USA





Taylor Lombardo Architects

Nicole Hollis





Vertical Limit | Porsche Design



The Wine Tower

Cottam Hargrave

Viking Wine Cellar



COULD WE RESURRECT DEAD WINE BACK TO LIFE?

During a natural process of wine aging, alcohol dehydrogenase enzyme (ADH) forces 13% ethanol to undergo reduction-oxidation (and rearrangement) by converting the primary active group (R-OH) to (R-C=O). In a lab, you can force primary alcohol to become vinegar by reacting it with chromium salt, or to the extreme: use PCC.

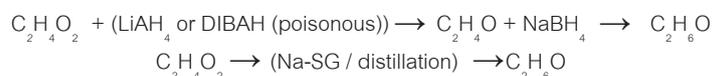
What is acetaldehyde? Acetaldehyde is a flammable compound, it binds hemoglobin and prevent oxygen from attaching and flowing through the human circulatory system; giving you a "hangover" feeling from hypoxia. It inhibits prostaglandin synthesis. Prostaglandin is a chemical released by your body, it binds to your cell receptor and expresses a "cellular feeling".

When acetaldehyde is produced, acetaldehyde dehydrogenase enzyme (ALDH) oxidizes acetaldehyde to acetic acid.

FORWARD REACTION



REVERSE REACTION



Red wine vinegar is mildly acidic. We can convert vinegar to acetaldehyde through fermentation (e.g.: adding crushed fresh grapes and *saccharomyces*) - after the removing the sedimentary layer called *mother*. Through a molecular observation: Pyruvate decarboxylase enzyme converts pyruvic acid to acetaldehyde and carbon dioxide. Then, alcohol dehydrogenase will resurrect acetaldehyde to ethanol. The alcohol percentages are stronger if we increase the amounts of organic sugar and yeast with the vinegar mixtures. Another alternative is to use water, ethanol, and sodium borohydride (NaBH_4). You can purchase yeast and the medium to grow yeast, called pyruvate decarboxylase, from *BioCatalytics Inc.* (\$395.00 per 50 mg in 2010). NaBH_4 is sold through *Rohm and Haas*.

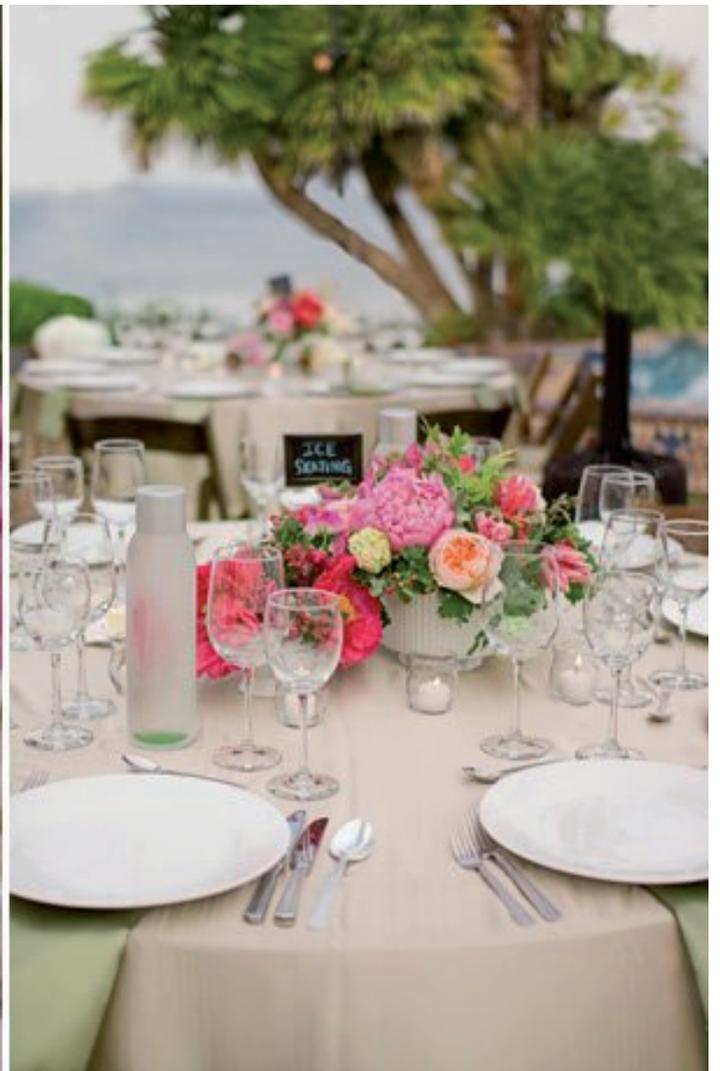
Alcohol is toxic to the body, and it does not taste good. It's the aldehydes, ketones, and "the stuff" inside the wine that keep it tolerable to drink.

Merlot | Chardonnay

Steve: Don't be serious!

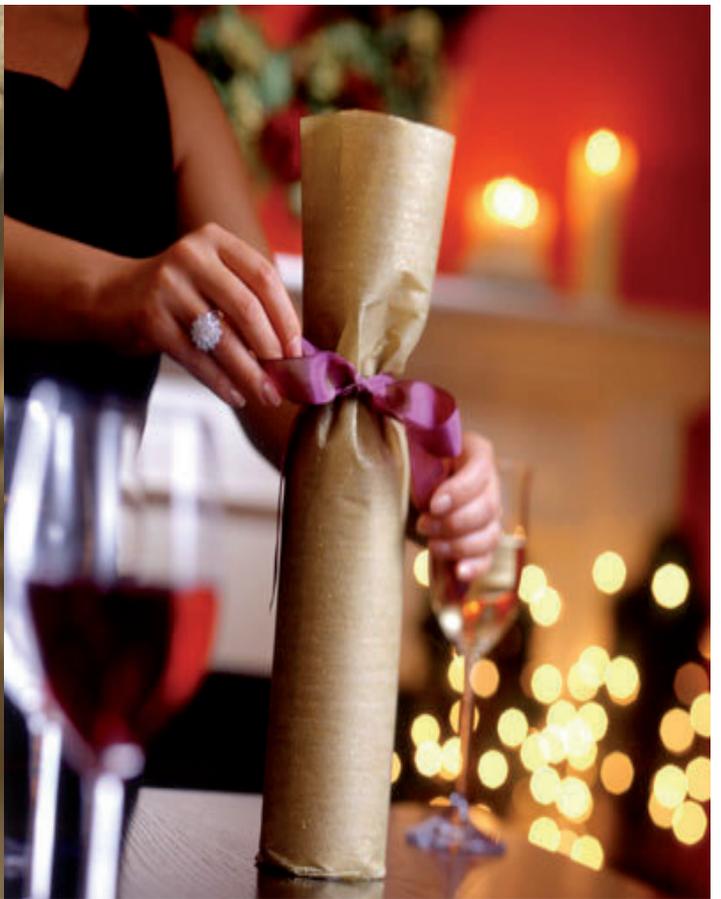
Bill: What the world needs now is red, not white.











These **chairs** will blow your mind!



"Light Up" by Sea Creature | Ontwerpers of the Netherlands

The Lofty Chaise Lounge | MDF Italia





"Ellipse" Chair & Ottoman | Modernica

The "Orson" chair | Jake Phipps





Don't you just love it when you are dining 156 feet up in the air? Prepare for your biggest gastronomical experience ever! Brussels, 2008: Belgian entrepreneur David Ghysels launched his "Dinner in the Sky". His business plan soared simply overnight. If you haven't tried wine while being suspended in mid-air; well, you just don't know how high the wine can take you! So go to dinnerinthesky.com and make a reservation today. If you're an acrophobic and can undergo vertigo, a seat belt is provided.

Go to Kowakien Yunessun (Hakone, Japan) for serious wine spa-ing, and drinking. We personally wish the pool was bigger...



Singapore: At the Gold Pill (or Aurum Restaurant); you are invited to seat on a golden wheelchair, next to a surgical table, and wine is served by a morbid nurse. How do you feel? What do you think?



Recycled wine plastics. These “plates” are not civilized enough to uphold pretty cookies and cake. Instead, to primitize them even more is to sew threads and make plastic bottle flip-flops for children at the beach.



A new kind of inconvenience: Root carafe. How on earth are you going to store this on a shelf?



Biodynamic Farming. Simplicity and emptiness does not always spell excitement; it gets dull after a while.



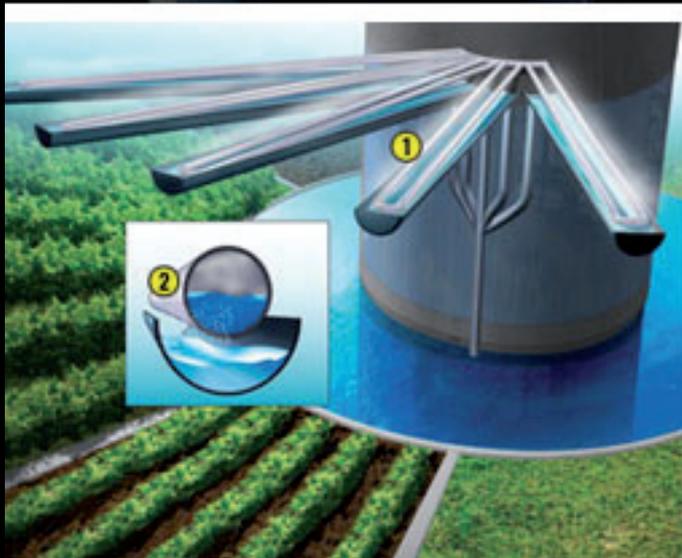
The epistemology of a **Sommelier** for wine steward, originated from France.



Ecole Cantonale d'Art de Lausanne, founded in 1821, currently overseen by Swiss artist and educator Pierre Keller. These are the wine labels designed by his first year students. Keller's motto is: "We never take ourselves seriously, but we do everything seriously."

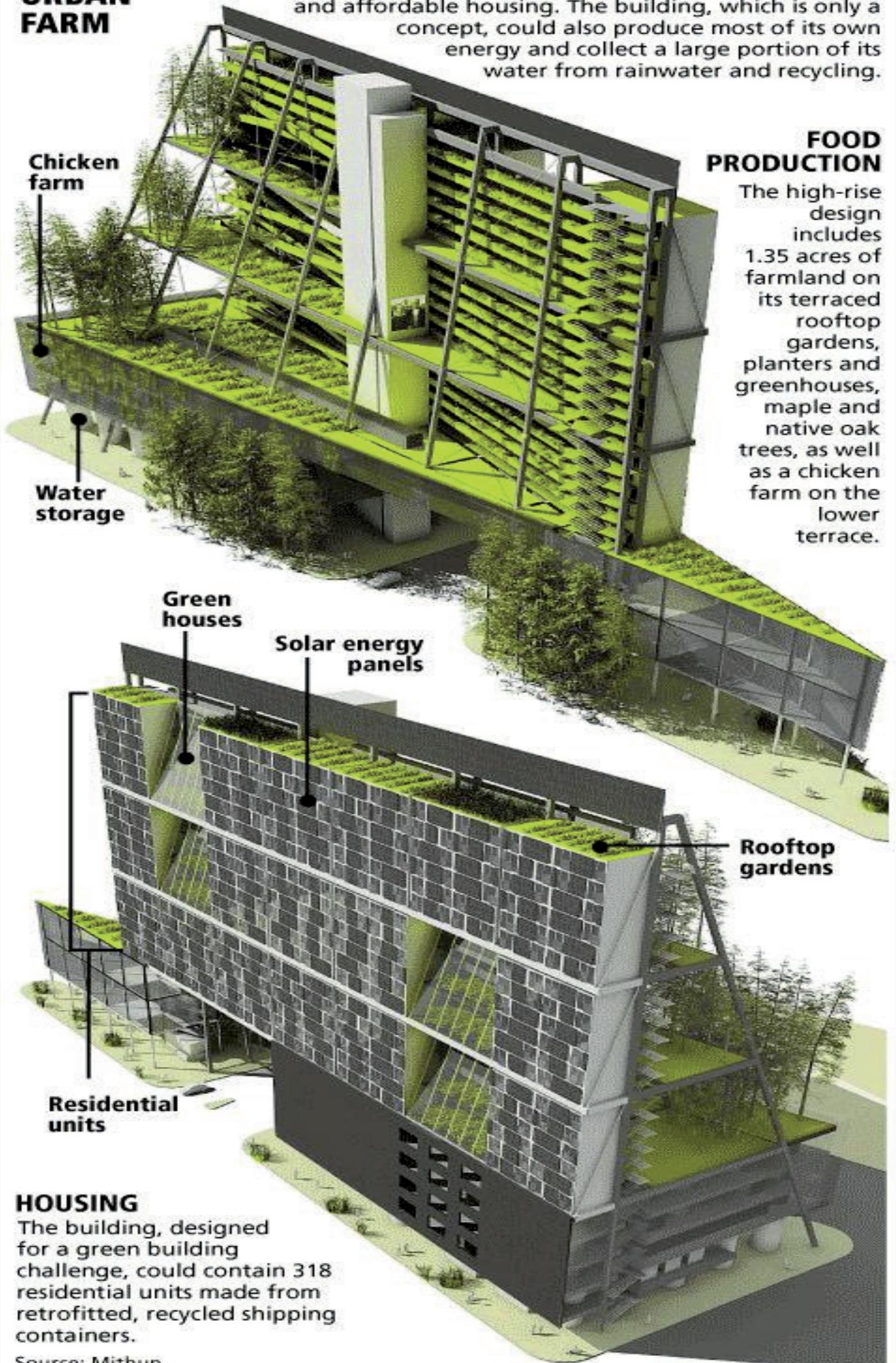


It's time to grow **grapes** vertically, not horizontally. Here are the renderings.



VERTICAL URBAN FARM

Seattle architects at the firm Mithun have envisioned a "Center for Urban Agriculture" featuring food production and affordable housing. The building, which is only a concept, could also produce most of its own energy and collect a large portion of its water from rainwater and recycling.



Chicken farm

Water storage

FOOD PRODUCTION

The high-rise design includes 1.35 acres of farmland on its terraced rooftop gardens, planters and greenhouses, maple and native oak trees, as well as a chicken farm on the lower terrace.

Green houses

Solar energy panels

Rooftop gardens

Residential units

HOUSING

The building, designed for a green building challenge, could contain 318 residential units made from retrofitted, recycled shipping containers.

Source: Mithun



Impressionism

Renoir

The Luncheon of the Boating Party includes youthful, idealized portraits of Renoir's friends and colleagues as they relax at the Maison Fournaise restaurant. Wearing a top hat, the amateur art historian, collector, and editor Charles Ephrussi (8) speaks with a younger man in a more casual brown coat and cap. He may be Ephrussi's personal secretary, Jules Laforgue (5), a poet and critic.

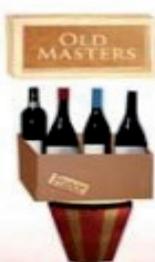
At center, the actress Ellen Andrée (6) drinks from a glass. Across from her in a brown bowler hat is Baron Raoul Barbier (4), a bon vivant and former mayor of colonial Saigon. He is turned toward the smiling woman at the railing, thought to be Alphonsine Fournaise (3), the proprietor's daughter. She and her brother, Alphonse Fournaise, Jr. (2), who handled the boat rentals, wear straw boaters. They are placed within, but at the edge of, the party. At the upper right, the artist Paul Lhote (12) and the bureaucrat Eugène Pierre Lestringuez (11) seem to be flirting with actress Jeanne Samary (13).

In the foreground, Renoir included a youthful portrait of his fellow artist, close friend, and wealthy patron, Gustave Caillebotte (9), who sits backwards in his chair and is grouped with the actress Angèle (7) and the Italian journalist Maggiolo (10). Caillebotte, an avid boatman and sailor, wears a white boater's shirt and flat-topped boater. He gazes at a young woman cooing at her dog. She is Aline Charigot (1), a seamstress Renoir had recently met and would later marry.



4. Drunk

Drunk, Adj. Suffering from vision, hearing & speech impairment, with an insatiable appetite for pizza. Will do anything that moves. Possessing an illogical belief that he/she is gorgeous despite dribbling and slobbering.



Here's to the corkscrew – a useful key to unlock the storehouse of wit, the treasury of laughter, the front door of fellowship, and the gate of pleasant folly.

W.E.P. French

In wine there is wisdom, in beer there is freedom, in water there is bacteria.

Benjamin Franklin

The wine urges me on, the bewitching wine, which sets even a wise man to singing and to laughing gently and rouses him up to dance and brings forth words which were better unspoken.

Homer

When men drink, then they are rich and successful and win lawsuits and are happy and help their friends. Quickly, bring me a beaker of wine, so that I may wet my mind and say something clever.

Aristophanes

Wine is one of the most civilized things in the world and one of the most natural things of the world that has been brought to the greatest perfection, and it offers a greater range for enjoyment and appreciation than, possibly, any other purely sensory thing.

Ernest Hemingway

If God forbade drinking, would He have made wine so good?

Cardinal Richeleu

Wine is the drink of the gods, milk the drink of babies, tea the drink of women, and water the drink of beasts.

John Stuart Blackie

I love everything that's old: old friends, old times, old manners, old books, old wines.

Oliver Goldsmith

God made only water, but man made wine.

Victor Hugo

Wine rejoices the heart of man and joy is the mother of all virtues.

Johann Wolfgang von Goethe



Think wine

.V.

.V.