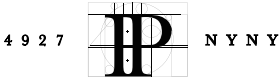


PATENT PENDING



I N T R O D U C T I O N

Welcome to the cellar of the Radio Wave Building.

This is the building in which Nikola Tesla lived^{A1} and performed his experiments on radio waves, transmitting them to his laboratory near present day Trinity Church in downtown Manhattan. The ‘waves’ which guided you here (GPS) and surround you now (WiFi) were envisioned by Tesla more than a century ago.

Born during a lightning storm, Nikola Tesla was a child of light. An immigrant, an innovator and a patriot, Tesla dreamed of a world which few others could imagine. He was an eccentric^{A2} genius, an ‘Electric Messiah’.

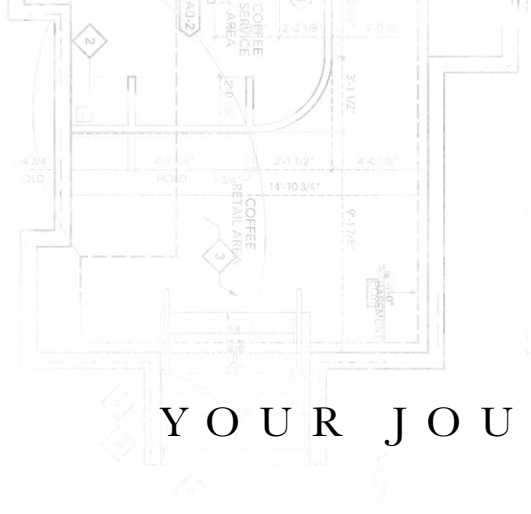
We toast to him and the countless others that think outside the box, persevering against all odds.

The Gerlach Hotel

49 West 27th

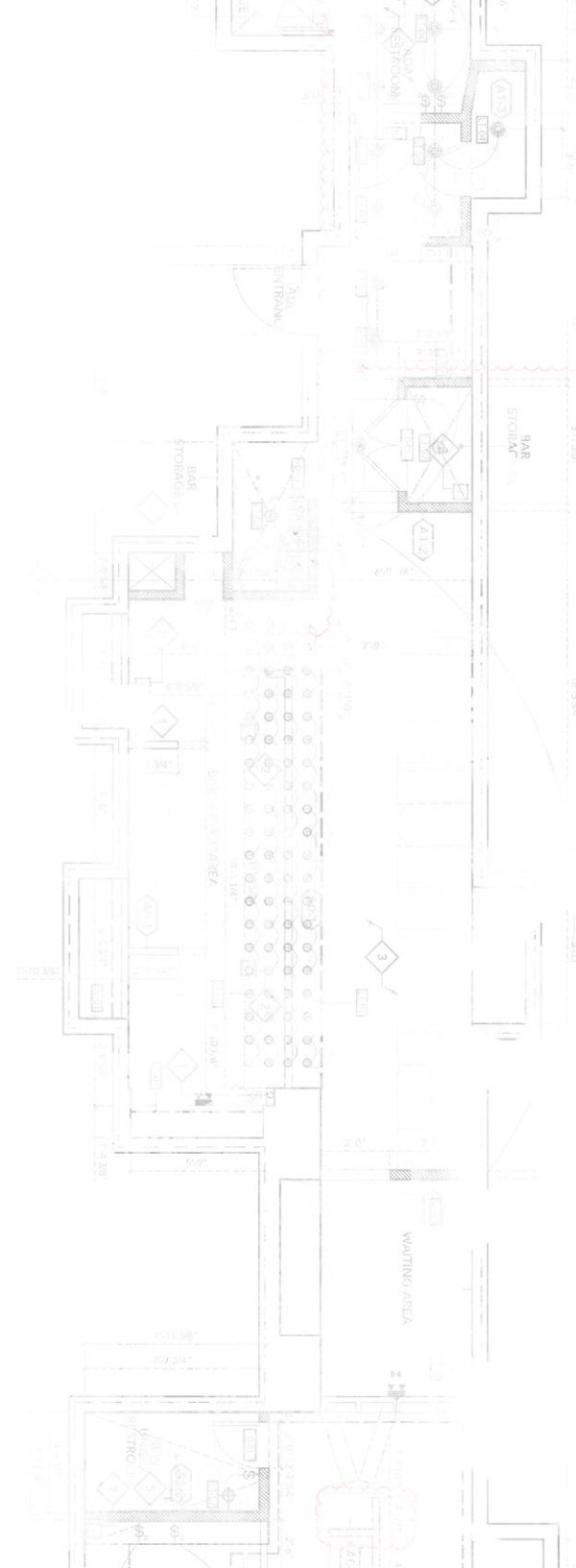
New York City, c.1896





YOUR JOURNEY

ENERGY	<i>No. 0004.</i>
FREQUENCY	<i>No. 0008.</i>
VIBRATION	<i>No. 0012.</i>
DESCENT	<i>No. 0016.</i>
BITES, BEER & WINE	<i>No. 0020.</i>
APPENDIX	<i>No. 0023.</i>



E N E R G Y

CLEAN AND BRIGHT.
THESE DRINKS ARE A CRISP WELCOME TO THE NIGHTS TIPPLING.

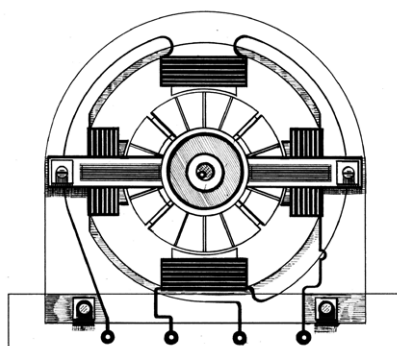


Fig. B1.1
cut away view
AC induction motor

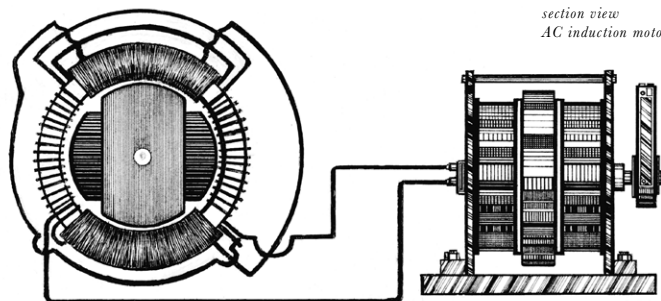


Fig. B1.2
section view
AC induction motor

ALL SPECIALTY COCKTAILS

\$16

You are now in a landmark building^{B2} conducive to conversation, experimentation and home to the world's first recorded electrical vibrations. At the end of the 19th century there was value in these discoveries, a substantial fortune to be found. Close to home and around the world, Tesla's rivals

(Thomas Edison, George Westinghouse and Guglielmo Marconi) moved to leapfrog his achievements and stake their own claim to discovery.^{B3} As dueling corporations backed rival inventors for supremacy, a renowned intellectual property race was officially on...

S T R A N G E M A G I C

VODKA
STRAWBERRY
MADEIRA
GRAPEFRUIT
LEMON
PROSECCO
SELTZER

A C / D C

BLANCHE ARMAGNAC
PEACH
FENNEL
GENEVER
LEMON
EGG WHITE
SELTZER

C O S M I C R A Y S

PISCO
AMERICAN GIN
DRY VERMOUTH
GREEN APPLE
ELDERFLOWER
KAFFIR LIME

ENERGY

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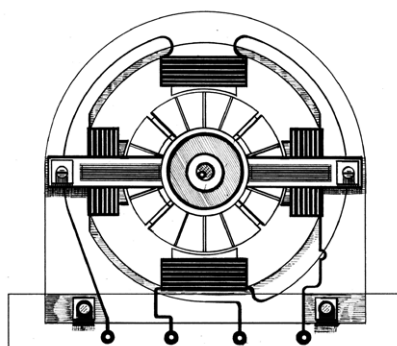


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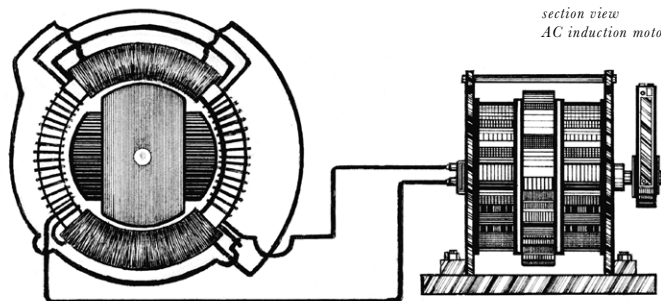


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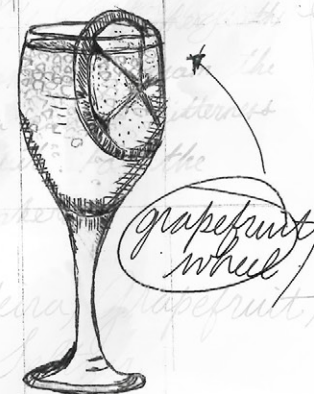
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4 9 2 7



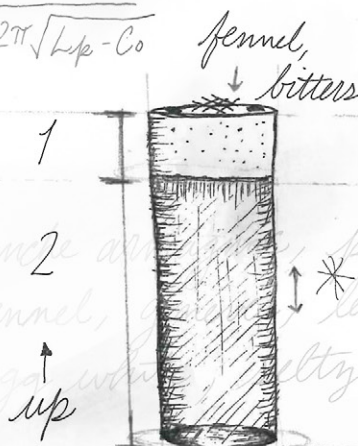
N Y N Y

01	Strange Magic	
Zesty + Refreshing		Built
Bright, fruity, easy drinker, with a nutty complexity and a hint of bitterness from grapefruit from grapefruit. For the <u>cautious</u> drinker!		



$I = 4Qn + 4qn$

02	AC/DC	
Bright + Vegetal + Fluffy		* Shaken Layered
Another bright and easy drinker, but more adventurous. Slight funk from Blanche Armagnac is rounded out by flavors of peach and lemon.		



$2\pi\sqrt{Lp-C_0}$

D_{min}
 D_{max}

03	Cosmic Rays	
Green + Crisp + Light		Stirred
Peruvian grape brandy and coriander-rich Brooklyn Gin are lifted by Elderflower and green apple. A classic Martini style cocktail.		



lime
expresso



when ideas are born. $M_0 \frac{D}{2} N (K_s + K_m - K_F) (H + 0.25D)$ N

FREQUENCY

ENERGETICALLY INFUSED AND FIT FOR A CELEBRATION.
THESE DRINKS ARE AS INTENSE AS THEIR ORIGINS.

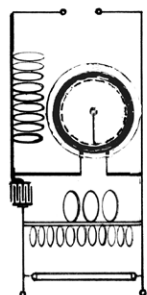


Fig. C1.1
cut away view
electromechanical
oscillator

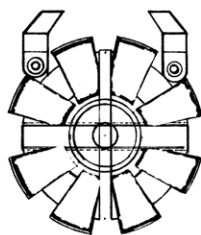


Fig. C1.2
section view
electromechanical
oscillator

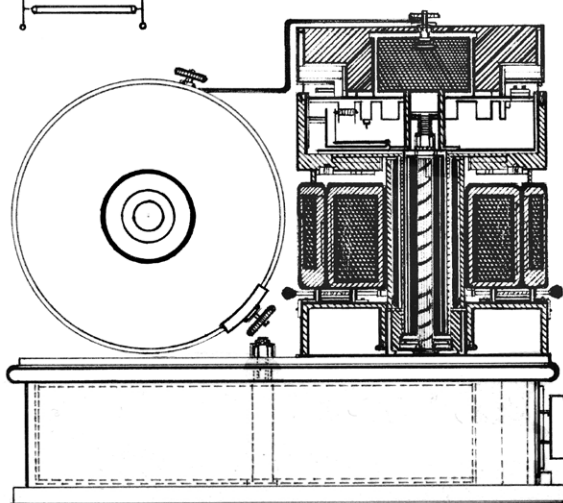


Fig. C1.3
section view
electromechanical
oscillator

ALL SPECIALTY COCKTAILS

\$16

In spite of his peculiar work ethic and reclusive tendencies, Tesla attracted many famous friends with his lively character and dapper style. He was frequently accompanied by some of the greatest luminaries of his day: Mark Twain, Rudyard Kipling and conservationist John Muir were just a few of his fervent admirers.^{C2}

Tesla was a man of great influence, not only in the scientific community, but through his political and philosophical writings. He staunchly opposed Prohibition^{C3} and once wrote of a drink that "...it's the 'elixir of life.'"^{C4}

RADIO WAVES

TEQUILA

MEZCAL

AGRICOLE RHUM

BASIL

THAI CHILE

LIME

CUCUMBER

LIGHT ME UP

BOURBON

JAMAICAN RUM

MANGO BLACK TEA

AMARO

YELLOW CHARTREUSE

SZECHUAN PEPPERCORN

LIME

PINEAPPLE

THE 'T WAIN

TEQUILA

ALPINE LIQUEUR

GIN

PEAR

WOODRUFF

FUJI APPLE

LEMON

NUTMEG

FREQUENCY

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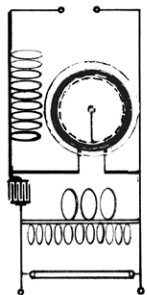


Fig. C1.1
cut away view
electromechanical
oscillator

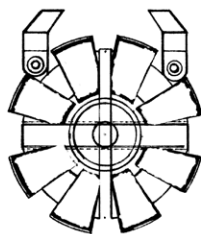


Fig. C1.2
section view
electromechanical
oscillator

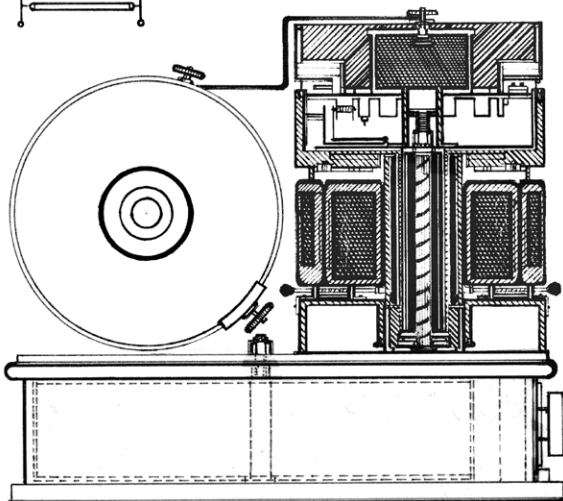


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oscillator

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4927



NYNY

04

Radio Waves

Spicy + Smokey

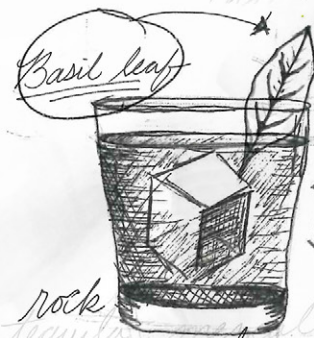
Shaken

Thai chile, basil, and cucumber give this drink a Southeast Asian angle, while Agricole and Mezcal give this drink a bit of funk and smoke.

$$S = \frac{\pi R D}{1056}$$

high voltage

$$I = 0.5 I^2 L$$



rock

large square

05

Light Me Up

Burnt + Herbal + Spice

Shaken

A whiskey sour variation with tons of depth. Mango black tea adds a tropical and tannic note. Szechuan peppercorn adds a touch of numbing heat.



Up

XX

$$K_F = \frac{1}{15.15 d \sqrt{f_0}}$$

nutmeg

06

The 'Twain

Alpine + Earthy + Herbal

Shaken*

With the fall flavors of pear, Fuji apple, and an intense herbal liqueur from the alps, this cocktail is a complex sour.



*

up

Tequila
2 Pear,
3 Lemon



V I B R A T I O N

A TOUCH OF INVENTIVENESS, A JOLT OF DARING.
THESE DRINKS REPRESENT A TESLIAN TWIST ON CLASSICAL WISDOM.

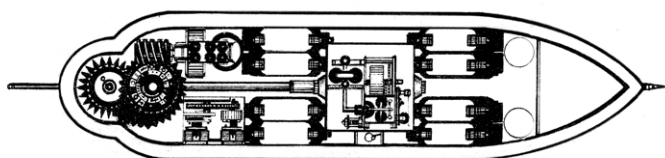


Fig. D1.1
top-down view
radio controlled boat

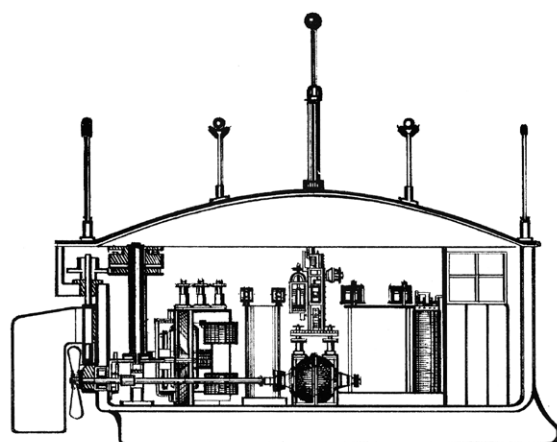


Fig. D1.2
cut away view
radio controlled boat

ALL SPECIALTY COCKTAILS

\$16

Tesla's discoveries began a worldwide desire for electric light. New York City became the world's foremost intellectual melting pot, bringing people together for an alternative current^{D2} of inspiration. In the city that never sleeps, Tesla felt quite at home.^{D3}

From x-rays to radio waves, from currents to coils, his impact on our lives is indisputable. A simple patent count (300+) tells this tale.^{D4} A relentless visionary, Tesla brought to humanity an electric dawn.

M R . M U I R

GIN

CALVADOS

DOUGLAS FIR

GINGER

GENTIAN

LEMON

8 : 1 0 P M

NAVY STRENGTH GIN

SUZE

PARSLEY

DRY VERMOUTH

CARDOON

SUMAC

H I T B Y A T A X I

JAPANESE WHISKY

ARMAGNAC

SWEET VERMOUTH

PU'ERH TEA

CURACAO

STAR ANISE

VIBRATION

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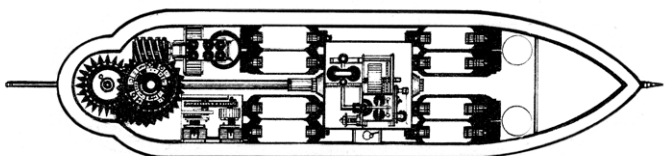


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top-down view
radio controlled boat

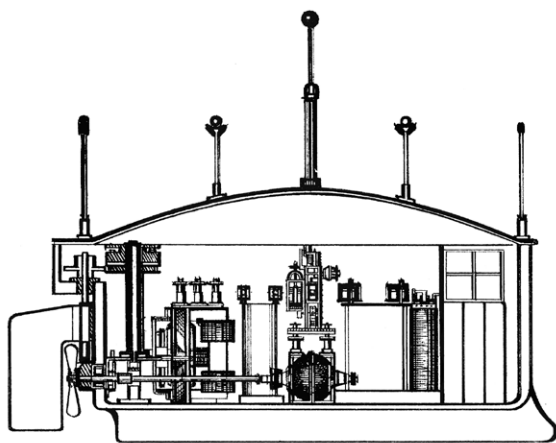


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radio controlled boat

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\$16

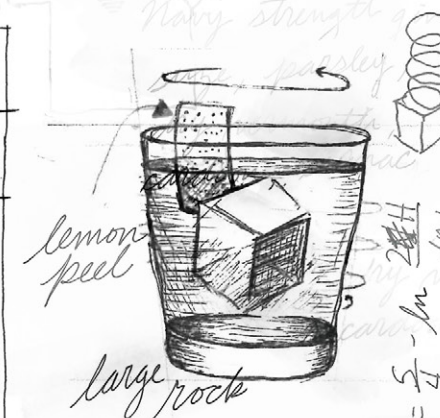
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07	Mr. Muir
Pine + Lemon + Apple	Shaken
Inspired by the smell of a coniferous forest, we've infused gin with pure My Douglas Fir. Tastes like Christmas in the Pacific Northwest.	



08	8:10 pm
Thistle + Bitter + Dry	Stirred
If the Negroni was invented in Morocco, it might taste something like this. With grassy flavors of parsley, this cocktail is dry and bitter with subtle spice.	



09	Hit By a Taxi
Oaky + Black Tea + Anise	Stirred
Taking cues from the Manhattan, this cocktail drinks dry and dark. Pu-erh tea adds a musty complexity to the Japanese whiskey.	



DESCENT

DARKER AND RICHER,
THESE DRINKS ARE FOR THE ADVENTUROUS.

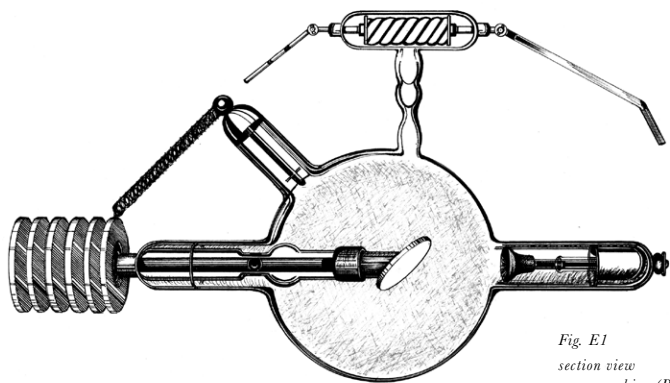


Fig. E1
section view
x-ray machine (Röntgen)

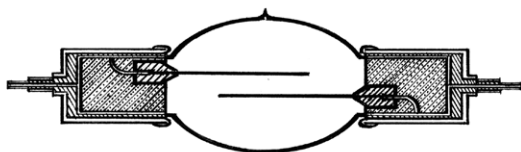


Fig. E2
left view
x-ray light bulb (Tesla)

ALL SPECIALTY COCKTAILS

\$16

Thick black smoke bellowed from the ruins of a smoldering laboratory. Rumors spread; was his alternating current to blame?^{E3} His competitors relished the thought of it! Plagued by slander,^{E4} encumbered by debt, Tesla turned to the streets...

Unattached, he spiraled downward. Never having had time for a wife, he fell smitten to the companionship of a single pigeon, the object of his obsession, the love of his life.^{E5} Paranoid, penniless and in the twilight of great genius, he sank into his future in a dark descent.^{E6}

CURRENTS & COILS

VENEZUELAN & GUYANESE RUM
MALTED MILK
COCONUT
BANANA
PATENT COFFEE
PINEAPPLE
LIME

ODD LOVE

RYE
SPANISH BRANDY
PATENT COFFEE
CHERRY
WALNUT
ABSINTHE

MADE FROM MEMORY

AMERICAN GIN
APPLE BRANDY
ORANGE LIQUEUR
FIG LEAF
EARL GREY TEA
CREAM

DESCENT

DARKER AND RICHER.
THESE DRINKS ARE FOR THE ADVENTUROUS.

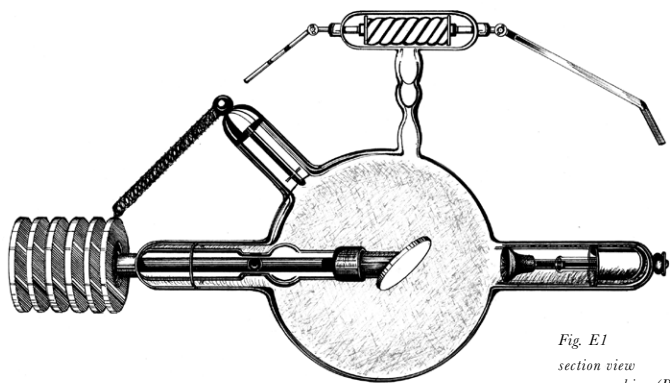


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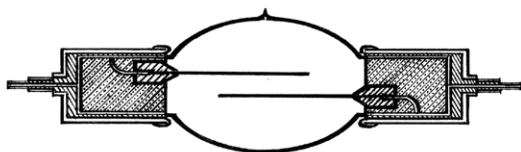


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4927

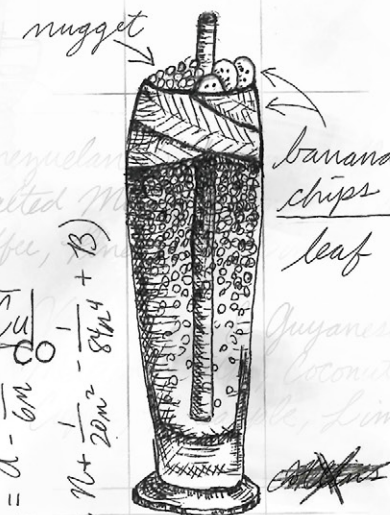


NYNY

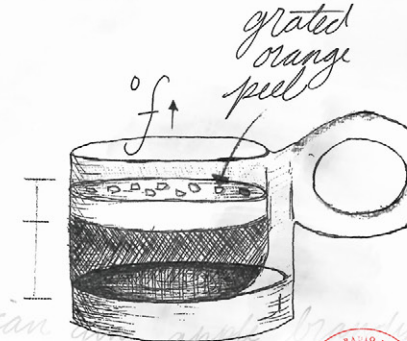
10	Currents & Coils
Silky + Tropical + Rich	Shaken
For the young at heart. Inspired by a classic malted milkshake, this drink combines rich rums with coconut and malted milk.	

11	Odd Love
Dark + Strong + Coffee	Stirred
For our take on an old-fashioned, we took a nod to Patent Coffee. Combining Peppery Rye whiskey with cold-brew coffee and bitterness from walnut.	

12	Made from Memory
Warming + Smooth	Layered
Aromatic American gin mixed with earl grey tea. Earthy fig leaf complements the juicy orange and bitter tea tea.	



$$K_m = a - \frac{1}{6n} \left(\ln n + \frac{1}{20n^2} - \frac{1}{84n^4} + B \right)$$



Warming
hot



$$L = \frac{(NR)^2}{8R + 11W}$$

*I don't care that they
stole my idea... I care
that they don't have any
of their own.*

B I T E S

CHIPS	3
GRILLED CHEESE W/ RONNYBROOK BUTTER	8
BACON GRILLED CHEESE W/ RONNYBROOK BUTTER	12
FRIED CHICKEN SANDWICH W/ BUFFALO RANCH PICKLES + CHIPS ON SIDE	13
PULLED PORK SANDWICH W/ BBQ SAUCE PICKLES + CHIPS ON SIDE	14
TOMATO SOUP IN A BOWL *ADD TO ANY SANDWICH FOR \$3	6
BEEF + BEAN CHILI W/ PICKLED JALAPEÑOS + CRÈME FRAÎCHE *ADD TO ANY SANDWICH FOR \$4	8.5

B E E R

WEST COAST IPA GREEN FLASH BREWING SAN DIEGO, CA
PILSNER RADEBERGER BREWING GERMANY
MILK STOUT LEFT HAND BREWING LONGMONT, CO
<hr/>
8 / BEER

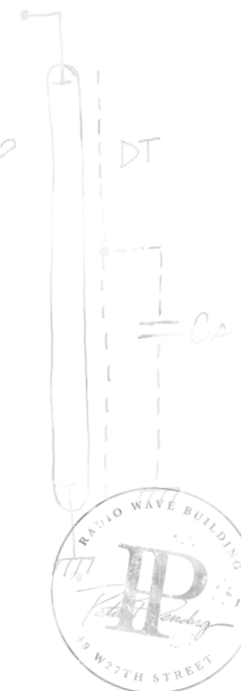
W I N E

SAUVIGNON BLANC SAUVIGNON BLANC CLOUDY BAY, NEW ZEALAND '16
PINOT NOIR ESTATE PINOT NOIR WILLAMETTE VALLEY VINEYARDS, OR '16
CHARDONNAY SONOMA CUTRER SONOMA COAST, CA '15
CABERNET SAUVIGNON BEAULIEU VINEYARDS NAPA, CA '15

S P A R K L I N G

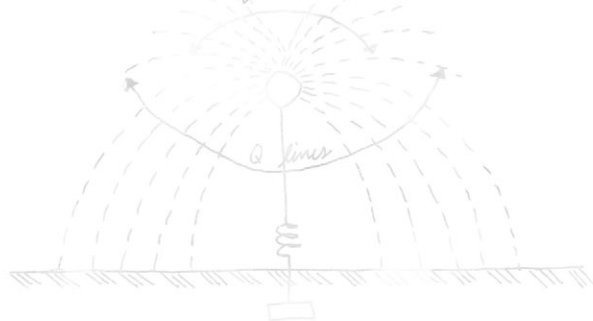
PROSECCO LA MARCA PROSECCO ITALY - D.O.C.	55 / BTL
CHAMPAGNE PERRIER - JOUET BRUT NV	145 / BTL

*Love makes the world go round?
Not at all. Whiskey makes it
go round twice as fast.*



719 749 1454

*Life is and will ever remain
an equation incapable of
solution, but it contains
certain known factors.*



$$I_m = 4Qn + 4qn$$

$$t_e = 4qn$$

APPENDIX

A1.

BORN IN PRESENT DAY CROATIA, TESLA BECAME A NATURALIZED CITIZEN OF THE UNITED STATES AFTER MOVING TO NEW YORK AT THE AGE OF TWENTY-EIGHT. A YUGOSLAV BY BIRTH, TESLA WOULD BECOME AN ICONIC SYMBOL OF AMERICAN INGENUITY AND A PROMINENT FIXTURE IN THE CITY'S INTELLECTUAL COMMUNITY. A RESIDENT OF THE GERLACH HOTEL (AMONGST OTHERS), AND A PROUD NEW YORKER, HE MADE ALL OF MANHATTAN HIS LABORATORY AS HE FAMOUSLY PACED HER STREETS ABSORBED IN HIS THOUGHTS.

A2.

TESLA HAD MANY QUIRKS IN HIS PERSONALITY TO THE POINT SOME LABELED HIM AS BEING OBSESSIVELY COMPULSIVE (OCD). HE DID THINGS IN THREE'S. HE WOULD OFTEN CLEAN HIS PLATE WITH 18 NAPKINS OR STROLL AROUND THE BLOCK THREE TIMES BEFORE ENTERING A BUILDING.

B1.1 & B1.2

ONE OF THE GREATEST INVENTIONS IN TESLA'S EPIC PORTFOLIO, THE AC INDUCTION MOTOR MUST ALSO RANK AMONG THE MOST IMPORTANT INVENTIONS OF ALL TIME. WITH AC THE STANDARD IN VIRTUALLY ALL CURRENT DAY APPLIANCES AND ELECTROMAGNETS AT THE CORE OF MOST PRACTICAL MOTORS, TESLA'S INDUCTION MOTOR IS OFTEN CITED AS A KEY DRIVER OF THE ELECTRIC REVOLUTION.

B2.

BEFORE CONSTRUCTION COULD START THE SPACE HAD TO BE DEMOLISHED. THE TWO ARCHES YOU SEE BEHIND THE BAR WERE NOT KNOWN TO EXIST UNTIL ONE LUCKY FRIDAY NIGHT, ARMED WITH SLEDGEHAMMERS AND CROWBARS, WE UNCOVERED A HIDDEN CAVERN. IN THE DUST, DIRT AND RUBBLE, THE FOLLOWING DAYS REVEALED MANY BURIED TREASURES; NEWSPAPERS FROM AS EARLY AS 1920, HANDMADE CLOTHING, OYSTER SHELLS, FLASKS, MATCHBOOKS, PLAYING CARDS, MILK BOTTLES, AND PEN-INK CONTAINERS.

B3.

IN 1901, ITALIAN PHYSICIST AND TESLA RIVAL, GUGLIELMO MARCONI, WOULD BE THE FIRST TO SEND A TRANSATLANTIC WIRELESS RADIO WAVE. HE DID SO USING TECHNOLOGIES PREVIOUSLY DEVELOPED BY TESLA ("...HE'S USING 17 OF MY PATENTS!"). DESPITE SUBSEQUENT LEGAL ACTION AGAINST HIM, MARCONI WOULD BE WRONGFULLY MEMORIALIZED AS THE FATHER OF RADIO; MUCH TO TESLA'S DISCONTENT.

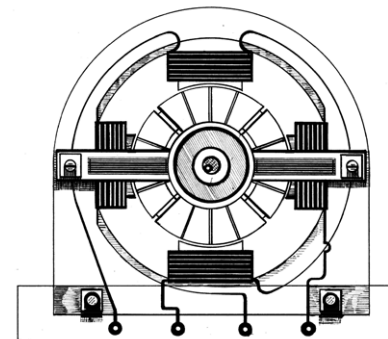


Fig. B1.1
cut away view
AC induction motor



$$f = \frac{1}{2\pi\sqrt{LC}}$$

C1.1, C1.2 & C1.3

THE ELECTROMECHANICAL OSCILLATOR WAS A HIGH-FREQUENCY GENERATOR OF TESLIAN PROPORTIONS. A STEAM POWERED GENERATOR CAPABLE OF CHARGING FLUORESCENT AND INCANDESCENT BULBS, IT WAS ALSO A VIBRATIONAL POWERHOUSE KNOWN TO SHAKE BUILDINGS TO THEIR FOUNDATION. THOUGH IT WEIGHED JUST A FEW POUNDS, TESLA CLAIMED IT COULD TRIGGER EARTHQUAKES! FEARING ITS DESTRUCTIVE POTENTIAL, WHEN THE POLICE SHOWED UP AT HIS LAB, HE SMASHED HIS INVENTION WITH A HAMMER AND SWORE HIS STAFF TO SILENCE.

C2

THESE AND MANY OTHER NOTABLE FIGURES OF THE TIME WERE IN FACT TESLA'S PERSONAL FRIENDS (AND OCCASIONAL FRENEMIES). WHEN HE WASN'T ABSORBED WITH ELECTRICAL CURRENTS, THE GREAT SCIENTIST COULD BE FOUND CONVERSING WITH FAMOUS FRIENDS IN THE GREAT DINING ROOMS AND RESTAURANTS OF NEW YORK. HIS FRIEND JULIAN HAWTHORNE NOTABLY DESCRIBED HIM AS, "A POET, A PHILOSOPHER, AN APPRECIATOR OF FINE MUSIC, A LINGUIST, AND A CONNOISSEUR OF FOOD AND DRINK."

C3

A MAN OF PRINCIPLE, TESLA STRICTLY OBEYED THE LAW OF THE LAND HOWEVER MUCH HE DISAGREED. THOUGH HE'D CONSUMED ENOUGH ALCOHOL TO (IN HIS WORDS): "FORM A LAKE OF NO MEAN DIMENSIONS", HE MANAGED TO ABSTAIN FROM DRINK FOR AS LONG AS IT WAS FORBIDDEN.

C4

THOUGH HE MAINTAINED A RIGOROUS DIET AND AVOIDED ALL TYPES OF STIMULANTS SUCH AS COFFEE AND TEA, TESLA BELIEVED DEEPLY IN THE RESTORATIVE VALUE OF ALCOHOL AND WAS VOCIFEROUS PROPONENT OF ITS LEGALIZATION. DURING HIS LIFETIME, HE WOULD PUBLISH VARIOUS ARTICLES DECRYING PROHIBITION AND ONCE CLAIMED THAT ALCOHOL WAS LESS DANGEROUS THAN CHEWING GUM!

D1.1 & D1.2

IN NEARBY MADISON SQUARE GARDEN, TESLA UNVEILED THE WORLD'S FIRST REMOTE-CONTROLLED BOAT. TO THE ASSEMBLED CROWD, THE BOAT APPEARED TO MOVE BY MAGIC. TESLA'S PROTOTYPE WAS IN FACT RESPONDING TO RADIO IMPULSES. OF THAT FIRST BOAT TESLA WROTE: "YOU DO NOT SEE THERE A WIRELESS TORPEDO; YOU SEE THERE THE FIRST OF A RACE OF ROBOTS, MECHANICAL MEN WHICH WILL DO THE LABORIOUS WORK OF THE HUMAN RACE."

D2

IMPROVEMENT OF THE ALTERNATING CURRENT ELECTRICITY SUPPLY SYSTEM IS TESLA'S SIGNATURE INNOVATION. IT'S PERHAPS THE MOST SIGNIFICANT ADVANCE OF THE 20TH-CENTURY. WITH OBVIOUS ADVANTAGES OVER DIRECT CURRENT, IN TRANSFERABILITY (PARTICULARLY OVER DISTANCE), ECONOMY AND SAFETY, IT IS STILL TODAY THE WORLD'S STANDARD.

D3

AFTER ARRIVING IN NEW YORK AND BEING HIRED BY THOMAS EDISON, TESLA FAMOUSLY SLEPT NO MORE THAN TWO HOURS A NIGHT, FREQUENTLY LEAVING EDISON'S LAB ONLY AS HIS CONTEMPORARIES WERE ARRIVING EARLY IN THE MORNING! HE WROTE EXTENSIVELY ABOUT THE SUPERFLUOUS NATURE OF SLEEP, AND ATTRIBUTED HIS TREMENDOUS THINKING POWER TO THIS DISCIPLINE.

D4

AFTER LEAVING EDISON'S COMPANY DUE TO LACK OF PROPER COMPENSATION, TESLA WENT ON TO RECEIVE FINANCIAL BACKING FROM GEORGE WESTINGHOUSE AND J.P. MORGAN, INVESTORS WHO SAW A FINANCIAL OPPORTUNITY. TESLA WOULD END UP BEING CREDITED WITH AT LEAST 300 PATENTS (INCLUDING INTERNATIONAL CLAIMS). THE DEPTH OF TESLA'S TECHNICAL CONTRIBUTIONS IS TOO RARELY RECOGNIZED IN POPULAR CULTURE.

E1 & E2

THOUGH THE DISCOVERY OF X-RAYS IS OFFICIALLY CREDITED TO GERMAN ENGINEER WILHELM RÖNTGEN, IT WAS TESLA WHO FIRST HAPPENED UPON "RADIANT ENERGY OF INVISIBLE KINDS," IN THE COURSE OF OTHER EXPERIMENTS. IN TRUE GENTLEMANLY FASHION, TESLA DID NOT DISPUTE RÖNTGEN'S CLAIM BUT INSTEAD SET TO WORK IMPROVING THE TECHNOLOGY. BY INCORPORATING HIS "TESLA COIL" HE WAS ABLE TO SEE DEEPER: NOT JUST HANDS BUT SKULLS AS WELL.

E3

THE END OF TESLA'S LIFE WAS MARKED BY AN APPARENT DIMINISHMENT OF HIS SENSES. NEVER WAS HIS PSYCHIC FRAGILITY MORE APPARENT THAN IN THE AFTERMATH OF THE CANAL STREET FIRE WHICH CONSUMED HIS LABORATORY. AT A PRECARIOUS POINT IN HIS LIFE, TESLA WOULD NOT BE SPARED RUINOUS GOSSIP. PARTISAN OBSERVERS WONDERED PUBLICLY WHETHER AC ELECTRICITY WAS NOT TO BLAME FOR THE FIRE, AND FALSE RUMORS CONVINCED MANY IT WAS.

E4

THE MOUNTING RIVALRY BETWEEN WESTINGHOUSE ELECTRIC COMPANY (USED TESLA'S AC) AND THE EDISON ELECTRIC LIGHT COMPANY (DC BACKERS) GREW SO INTENSE AS TO BE LABELED, 'THE WAR OF CURRENTS.' IN AN ATTEMPT TO PUBLICLY DEMONSTRATE THE FRIGHTENING VOLATILITY OF THE WESTINGHOUSE PRODUCT, EDISON ARRANGED FOR AN ELECTRIC CHAIR EXECUTION TO BE CARRIED OUT WITH AN ALTERNATING CURRENT. PREDICTABLY, EDISON'S DEMONSTRATION WOULD BACKFIRE IN GRAND FASHION. A SPATTERING, FRUSTRATED AND UTTERLY INHUMANE EXECUTION WAS THE RESULT OF AN APPLIED CURRENT APPARENTLY SO SAFE THAT IT COULDN'T BE INTENTIONALLY MISUSED! GEORGE WESTINGHOUSE FAMOUSLY WAS QUOTED EXCLAIMING, "THEY WOULD HAVE DONE BETTER USING AN AXE!"

E5

AS A PASSIONATE AVICULTURIST, TESLA FORMED A COMPANIONSHIP WITH THE PIGEONS OF NEW YORK THAT HE NEVER EXPERIENCED IN HUMAN COMPANY. HE KEPT AND CARED FOR, DEvised COMPLEX MECHANICAL INSTRUMENTS TO HEAL THE WOUNDS OF, AND EVEN FOUND PERSONAL VALIDATION IN HIS ENCOUNTER WITH A PARTICULAR PIGEON (LOOK UP, LOOK AROUND MAYBE YOU'VE SEEN HER?): "AS LONG AS I HAD HER, THERE WAS A PURPOSE TO MY LIFE."

E6

LATER IN LIFE, A CONTEMPLATIVE TESLA WOULD WONDER IF HE HAD MADE "TOO GREAT A SACRIFICE" IN NEVER MARRYING. WHILE IT'S TRUE THAT TESLA BORE NO CHILDREN, THE TREMENDOUS REACH AND SCALE OF HIS SCIENTIFIC AND TECHNOLOGICAL ACCOMPLISHMENTS HAVE TRANSFORMED OUR WORLD IN UNTHINKABLE WAYS. HIS PERSONAL AND FINANCIAL WOES TOOK A TOLL. TEARING UP HIS PROFIT SHARING AGREEMENT WITH WESTINGHOUSE ELECTRIC WAS PROBABLY THE WORST FINANCIAL DECISION OF HIS LIFE.

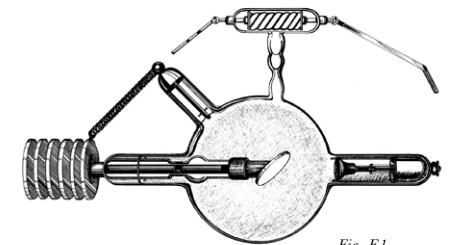


Fig. E1
section view
x-ray machine (Röntgen)



Fig. E2
left view
x-ray light bulb (Tesla)

Solid-State ~~Coil~~ Coil

$$L = \mu_0 \frac{1}{2} N^2 K - \mu_0 \frac{D}{2} N (K_s + K_m - K_p) [H]$$

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